

4191

Form 501  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

State: Washington

21-5613

DESCRIPTIVE REPORT.

Sheet No. 4191

LOCALITY:

Strait of Juan de Fuca

Washington Harbor

1926

CHIEF OF PARTY:

H.A. Cotton

4191

U.S. SURVEY  
1302  
SEP 4 1926  
Asst. Dir.

SEP 4 9 23 AM '26

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO 4191  
(Field Letter "F")

WASHINGTON HARBOR

STRAIT OF JUAN DE FUCA - WASHINGTON

May - 1926

Scale : 1 : 10,000

AUTHORITY -

The topography was executed in accordance with Instructions to the Commanding Officer of the Motor Vessel NATOMA, dated March 4th, 1926.

LIMITS -

The work on this sheet includes Washington Harbor and the south shore of the Strait of Juan de Fuca to a junction with Field Sheet "G". It joins Field Sheet "E" at the entrance to Washington Harbor. It is a re-survey of Topographic Sheet No. 1165, and a portion of No. 1169, done in 1870.

GENERAL DESCRIPTION -

Washington Harbor is about  $3\frac{3}{4}$  miles long by 1 mile wide. A sand and gravel spit extends from the eastern shore at the northern point nearly across to the western shore, leaving a narrow channel.

The western shore for about  $\frac{3}{4}$  mile south of the entrance consists of a bluff from 50 to 100 feet high, the remainder of the western shore line being lower. The land slopes fairly evenly to the hill summits about one mile back from the shore; the land is wooded except for a few small scattered clearings. The village of Blyn is situated at the head of the bay; there are no wharves except for the log dump of a logging railway which has its terminus here. The head of the bay bares for more than a quarter of a mile.

The eastern shore is similar to the western with a bluff extending from near Takup Point to the north end of the bay, the land being wooded with the exception of a few small clearings.

At the northeast corner of the bay is a small lagoon much used as a harbor by fishing boats; the entrance is narrow but navigable by small boats at any tide.

The eastern approach from the base of the spit to eastern limit of the sheet is partly bluff and partly steep wooded hillside.

There is a middle ground bare at low water about 500 meters south of the entrance. Along the northern and western shores, tide flats extend from 100 to 300 meters off shore; these flats rise abruptly from fairly deep water.

INDUSTRIES -

The Bugge cannery on the west shore at the entrance puts up clams and berries. The clams are taken from the tide flats of Washington Harbor and the west side of Dungeness Bay; the berries are from the Gardiner district on Port Discovery. The cannery has two conspicuous white buildings on a wharf. The wharf has 17 feet along the face.

There is a limited amount of farming and dairying. There is little lumbering at present.

COMMUNICATIONS -

A small vessel makes daily calls at the Bugge Cannery wharf.

A branch line of the Chicago, Milwaukee and St. Paul from Port Townsend to Port Angeles skirts the head of the bay, as does the Olympic Highway.

Only those parts of the railroad and highway as could be readily located from the shore were run in.

CONTROL -

The work was controlled by triangulation done by the U. S. Army Engineers, with six stations on Washington Harbor and one at the eastern limit of the sheet.

SURVEY METHODS -

Traverses were run from Triangulation Station Blyn to Triangulation Station Skull around the head of the bay (2 miles with perfect closure) and from Triangulation Station Bugge to Triangulation Station Rocky ( $2\frac{1}{2}$  miles, closing error 20 meters). The remainder of the sheet was done by three point fixes.

COMPARISON WITH OLD SURVEYS -

No changes of any consequence were noted in the high water line. The low water line was found considerably different. Nearly all of the low water was rodged in on a lower low water. The part that is left blank may be obtained from the hydrographic sheet.

NAMES -

Washington Harbor is shown on some maps (e.g. Clallam County road map) as Sequim Bay. Washington Harbor, however is the name in general use.

CONTOURS -

No contouring was done, as the original sheets show adequate contours.

S T A T I S T I C S

|   |      |
|---|------|
| Statute Miles of Shoreline .....                | 16.1 |
| Statute Miles of Creeks, Sloughs, Etc. ....     | 1.2  |
| Statute Miles of roads and railroads .....      | 2.5  |
| Area, Square Statute Miles .....                | 2.0  |
| Positions recoverable ..... Triangulation ..... | 9    |
| Positions recoverable ..... Plane Table .....   | 7    |

Examined, approved and forwarded,

*Harold A. Cotton*  
HAROLD A. COTTON,  
Hyd. & Geo. Engineer,  
C. & G. Survey,  
Commanding M. V. NATOMA

Respectfully submitted,

*M. O. Witherbee*  
M. O. WITHERBEE,  
Hyd. & Geo. Eng'r.,  
C. & G. Survey.

| Object & Description             | Latitude<br>&<br>Longitude | Seconds<br>in<br>Meters | Remarks             |
|----------------------------------|----------------------------|-------------------------|---------------------|
| <u>CAN</u> , gable of building   | 48 04<br>123 02            | 1435<br>814             | Described, Form 524 |
| <u>OFF</u> , boulder             | 48 04<br>123 02            | 963<br>771              | " " "               |
| <u>WHY</u> , gable of house      | 48 03<br>123 02            | 123<br>55               | " " "               |
| <u>TANK</u> ,                    | 48 01<br>123 00            | 1163<br>786             | " " "               |
| <u>RED</u> , house               | 48 04<br>123 00            | 515<br>534              | " " "               |
| <u>BOL</u> , boulder             | 48 05<br>123 00            | 307<br>1087             | " " "               |
| <u>N.W. CORNER OF BUILDING</u> , | 48 01<br>122 59            | 915<br>835              | " " "               |

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.

4191

U. S. Coast and Geodetic Survey.

Register No. 4191<sup>F</sup>

State . . . Washington . . . . .

General locality . . . Strait of Juan de Fuca . . . . .

Locality . . . . . Washington Harbor . . . . .

Chief of party . . . Harold A. Cotton . . . . .

Surveyed by . . . M.O. Witherbee . . . . .

Date of survey . . . May 1926 . . . . .

Scale . . . . . 1:10000 . . . . .

Heights in feet above . . . . .

Contour interval . . . . . feet.

Inked by Howard H. Hardy. Lettered by . Howard H. Hardy . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, <sup>✓</sup> Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks: