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Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <u>Washington</u>
11-5813
DESCRIPTIVE REPORT.
Topographic Sheet No. <u>4188</u>
LOCALITY:
<u>Strait of Juan de Fuca-S. Shore</u>
<u>Port Angeles and Ediz Hook</u>
1926
CHIEF OF PARTY:
<u>H. A. Cotton</u>

DESCRIPTIVE REPORT

TOPOGRAPHIC SHEET "C"

STRAIT OF JUAN DE FUCA

PORT ANGELES

MOTOR VESSEL NATOMA

HAROLD A. COTTON, COMMANDING

SCALE - 1 : 10,000

AUTHORITY -

Director's Instructions, dated March 4th, 1926.

LIMITS -

The work on this sheet is a re-survey of Ediz Hook and Port Angeles from a junction with Sheet "B" at the base of Ediz Hook to a junction with Sheet "D",  $\frac{3}{4}$  mile east of Triangulation Station Mill, and includes the street system of Port Angeles.

GENERAL DESCRIPTION -

Port Angeles Harbor lies behind Ediz Hook, a long narrow spit three miles in length, which gives protection from the prevailing north-westerly winds. The harbor is three miles in length and from one to one and one-half miles wide. The city is on the south side of the harbor. The business section is on a narrow strip between the railway trestle and the foot of the bluffs, and a part of it is on piling. The residential section is on the bluffs and is divided in four parts by three ravines, those of Peabody, Valley and Tumwater Creeks.

The principal docks are the Angeles Gravel and Supply Co. wharf near the foot of Lincoln Street, the People's Wharf at the foot of Laurel Street, the City Dock at the foot of Oak Street, the Port Commission dock recently completed near the foot of Tumwater Street, and the docks of Chas. Nelson Lumber Co. (formerly Puget Sound Mills and Timber Co.) and the Washington Pulp and Paper Corporation at the head of the bay. Thirty feet can be carried to the latter three, and from twenty to twenty-five feet to the remainder; these depths are from soundings by the Port Commission of Port Angeles.

Smaller wharves are those of the Standard Oil Co. at the foot of Tumwater Street, the Coast Guard near the end of Ediz Hook, and the Ninemeyer Mill Co. and a cannery dock, also on Ediz Hook. Abandoned wharves are shown dotted.

INDUSTRIES -

The industries are dependent on lumbering; there are three large mills in operation, those of the Washington Pulp and Paper Corporation, the Chas. Nelson Lumber Co., and the Crescent Boxboard Co. There are also a shingle mill and a cooperage works. The Government Spruce Mill has been leased to the Lyon-Hill Co. but is not in operation.

COMMUNICATIONS -

A line of the Chicago, Milwaukee & St. Paul Railway connects Port Angeles by Rail with Port Townsend, where connections are made with a steamer for Seattle. An extension of the line goes to Twin Rivers. The railroad handles little freight except logs for the Port Angeles mills.

The Puget Sound Navigation Co. maintains a steamer with daily service to Seattle and Victoria. During the summer months an auto ferry makes two trips a day to Victoria. There is a semiweekly service to Clallam Bay, and weekly to Neah Bay.

COMMUNICATIONS - (Continued)

Port Angeles is on the Olympic Highway. There is a bus service to Port Ludlow which connects with the Edmonds - Port Ludlow Ferry.

SUPPLIES -

Provisions, water and some ship chandler's stores are available.

STORM WARNINGS

are displayed by the U. S. Weather Bureau from a high staff near the edge of the bluff on Laurel Street.

LANDMARKS -

The following landmarks are conspicuous; the three concrete stacks of the Washington Pulp and Paper Corporation, the Chas. Nelson Lumber Co., and the Crescent Boxboard Co., a conspicuous water tank on the summit of a hill in the west part of town, the outer gable of the building on the People's Wharf, and the flagstaff on the largest building of the Lyon-Hill Co. (Triangulation Station Mill).

CONTROL -

The following triangulation stations were available for control - Ediz Hook Lighthouse (new), Angeles 2, Morse 2, Mill, five stacks, and the Westher Bureau mast; in addition the outer gable of People's Wharf and the stack of the Ninemeyer Mill were cut in by plane table and used as control points.

SURVEY METHODS -

The work was done chiefly by three-point fixes. At nearly every position a check on a fourth station was available. Short traverses were run into town to locate streets. Enough streets were run by plane-table to tie in the street system from the city map. Only such streets as have been graded are shown on the sheet.

CHANGES -

No natural changes of any importance were observed. Artificial changes include the abandonment and decay of some old wharves, and the building of the new Port Commission Dock. A considerable area of tide lands between the railway trestle, Valley Street, Second Street and Tumwater Street, has been reclaimed by filling. The material was dredged from the bottom of the harbor. This area is to be used as an industrial site. The radio compass station on Ediz Hook has been discontinued, and should be removed from the chart.

S T A T I S T I C S

Statute miles shoreline .....	11.0
Statute miles of creeks .....	2.0
Statute Miles of roads and railroads .....	15.0
Number of positions .....	52
Positions recoverable, Plane-table .....	7
"          "          , Triangulation .....	13
Area, square statute miles .....	2.6
Elevations .....	8

Examined, approved and forwarded,

*Harold Cotton*

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

Respectfully submitted,

*M. O. Witherbee*

M. O. WITHERBEE,  
Hyd. & Geo. Engineer,  
C. & G. Survey.

PLANE-TABLE POSITIONS

Name and Description	Latitude & Longitude	Seconds in Meters
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<u>NEW</u> , Marked station. Described Form 524.	48 08 123 25	980 567
<u>NINE</u> , Stack, described on Form 524.	48 08 123 26	924 515
<u>CAN</u> , Stack, described on Form 524.	48 08 123 27	664 358
<u>PE</u> , North gable. Described on Form 524.	48 07 123 25	520 1000
<u>WHITE</u> , North gable, described on Form 524.	48 07 123 25	224 893
<u>CUP</u> , Cupola. Described on Form 524.	48 07 123 25	92 418
<u>CO</u> , East gable of Coast Guard Coal Wharf.	48 08 123 24	709 712
<u>FLAGSTAFF</u> , Near Coast Guard Wharf	48 08 123 24	796 785
<u>REEFE RANGE FLAGSTAFF</u>	48 08 123 25	965 140

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET <sup>C</sup>

4188

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. 4188<sup>C</sup>

State . . . Washington . . . . .

General locality . . . Strait of Juan de Fuca, S. Shore . . .

Locality . . . Port Angeles and Ediz. Hook . . . . .

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

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

Date of survey . May-July, 1926. . . . .

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

Heights in feet above . High water. . . . .

Contour interval . 20 . . feet.

Inked by M. O. Witherbee . Lettered by M. O. Witherbee . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report,  Horizontal angle books, Field computations,

Data from other sources affecting sheet **Three blueprints-6 Cards-Desc. of Stations of Port Angeles Port Commission and City of Port Angeles**

Remarks: