

4634

Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

State: WASHINGTON

U. S. COAST & GEODETIC SURVEY
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DESCRIPTIVE REPORT

Topographic } Sheet No. 4634
~~Hydrographic~~

LOCALITY

Strait of Juan de Fuca

Triangulation Station Pillar

Point to Deep Creek

19 31

CHIEF OF PARTY

K. T. Adams

U. S. GOVERNMENT PRINTING OFFICE: 1920

4634

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET D
Washington Coast -- 1931
Scale 1:20,000

AUTHORITY:

The authority for this survey is contained in the Director's instructions dated April 16, 1930, and May 7, 1931.

LIMITS:

This sheet consists of a resurvey of the area between Pillar Point, Latitude $48^{\circ}-13'.9$, Longitude $124^{\circ}-06'.1$; and Deep Creek, Latitude $48^{\circ}-10'.2$, and Longitude $124^{\circ}-01'.2$.

A satisfactory junction is made with Sheet (Field No.) C-1931 on the west; and with Sheet T-4182, 1926, on the east.

ORGANIZATION OF PARTY:

The topographic party, one officer and two men, was a unit of a launch hydrographic party and the topography executed as preliminary work for the hydrography. This work was done from a camp on the Pysht River.

GENERAL DESCRIPTION OF COAST:

Pillar Point is a bold point, 7000 feet high, heavily wooded to the summit. A dark colored, pillar shaped rock, 170 feet high, lies close under its eastern face, making the point easily recognizable, particularly from the west coast.

The Pysht River empties into the bight about three-quarters of a mile south of Pillar Point. Pysht, a small village and post office, which cannot be seen from the coast on account of heavy timber, is located on this river one-half mile from its mouth. This village is for the most part a lumber camp of the M. & R. Lumber Company. This same company has a sawmill for cross ties and a boom camp just inside the mouth of the river. Small tug boats enter the river, as far as the sawmill, to tow out log booms, mainly pulp wood. A logging rail-

road runs between the sawmill and Pysht. The area in the vicinity of the river is low and marshy, covered with grass and some scrub brush.

To the eastward of the Pysht River the slopes rise sharply from the shoreline to a height of from 100 to 150 feet, flatten out some and become rolling. The timber line extends to the high water line. Patches of timber have been cut over and these areas are covered with second growth timber and brush.

CONTROL:

Control was furnished by triangulation stations Pillar Point 1909, and Dode 1892.

SURVEY METHODS AND RESULTS:

A plane table traverse was run between Triangulation Stations Pillar Point and Dode. These two stations are not intervisible. The plane table was first set up at a point approximately 50 meters east of Triangulation Station Pillar Point and nearly on line with Dode. An accurate position and orientation was obtained by resection on and rod reading to Triangulation Station Pillar Point. Signals Dot and Pile were located from this set up. The traverse was then run from Triangulation Station Dode to signal Dot. The error of closure was negligible and was not adjusted.

Sufficient elevations could not be obtained from the beach to contour the area between the Pysht River and Deep Creek.

Tides were unfavorable for an accurate location of the low water line between signal Abe and Triangulation Station Dode. The low water line, taken from Sheet T-2907, 1909, is shown in pencil on this sheet. This low water line should be taken as correct.

COMPARISON WITH OLD WORK:

The high water line in the vicinity of the Pysht River has changed considerably from that shown on T-2907, 1909. This has been caused by silting and some dredging in the river. In other places the high water line agrees very well with the old work.

Respectfully forwarded,
approved:
Fred. L. Peacock
Fred. L. Peacock,
H & G E, C & G S,
Commanding Ship GUIDE.

Respectfully submitted,

James N. Jones
James N. Jones,
Jr. H & G Engineer,
C & G S

STATISTICS

Area in square statute miles.....	4.8
Statute miles of shore line.....	7.0
Statute miles of rivers.....	2.7
Number of hydrographic signals located..	17
Time required for field work, days..	2.0

PLANE TABLE POSITIONS:

Object	Latitude °	D.M. (meters)	Longitude °	D.P.(meters)	Descriptions
PILE	48 - 12	1632 (221)	124 - 05	1135 (104)	Lone pile off Pillar Point.
TAN	48 - 12	1400 (453)	124 - 06	742 (497)	Water tank near sawmill.
SAM	48 - 12	1359 (494)	124 - 06	984 (273)	South gable of Sawmill.
DOL	48 - 12	745 (1108)	124 - 05	1197 (42)	Dolphin at east side, en- trance to Pysht River

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4634

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. D

REGISTER NO. 4634

State WASHINGTON

General locality South Shore, Strait of Juan de Fuca

Locality Pillar Point to Deep Creek

Scale 1:20,000 Date of survey September, 1931

Vessel U.S.C. & G.S.S. GUIDE.

Chief of Party K. T. Adams

Surveyed by James N. Jones

Inked by James N. Jones

Heights in feet above M H W to ground ~~to tops of trees~~

Contour, ~~Approximate contour, 100 foot~~ interval 100 feet

Instructions dated April 16, 1930 and May 7,, 1931

Remarks: _____