Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Fittmann
Superintendent.

State: Washington

DESCRIPTIVE REPORT.
Topographic Sheet No. 2907 & 8

Locality: Strait of Juan de Fuca

1909

Chief of Party: W. W. Rhodes
The south shore of Juan De Fuca Strait from Twin Rivers to Neah Bay has, for the most part, steep bluffs from 200 to 200 feet or more in height rising immediately back of the H.W.M.

Between Pillar Point and Clallam Bay the shore line is very bold and the hills rise steeply to an elevation of about 1400 feet forming a prominent and characteristic feature of the topography. At other points the land close to the shore nowhere exceeds 500 or 800 feet in elevation.

The hills are heavily timbered with spruce, cedar, and hemlock and but little clearing has been done along this stretch.

Between signal "Dode" and Pysht River, eastward of Sail Rock, and off signal "Camp", there are extensive rocky shoals extending some distance off shore, but at other points the shore is comparatively bold except for rocky ledges close to H.W.M.

The weather during the time this work was under way (Nov. 23rd. to Feb. 30th.) was in general very stormy and a heavy swell was experienced westward from Pillar Point at nearly all times; Clallam Bay is exposed to the westerly swell and is not a comfortable anchorage. An anchorage with some shelter from a westerly swell may be had inside of Pillar Point and just east of Pysht River shoal.

Owing to the steep bluffs along the shore line, very few elevations could be determined by the plane table except of points on the immediate shore line. The elevations of hill tops back from the shore line were in nearly all cases determined from the ship by vertical angles above the shore line, corrected by the dip of the shore line, which was computed for its known distance from the ship. Sets of three observations of this kind, on well defined objects, gave a range of about fifty feet in the determined elevations. Excepting the elevations of the two hills at Slip Point, and of the ridge between signals "Sengon" and "Reynolds", which were determined by the plane-table, and are ground elevations, all other hill top elevations are given for the tops of the trees, and if desired to correct for the ground, should probably be reduced by 100 feet.

There are no aids to navigation along this stretch of the shore line except the light at Slip Point.

Respectfully submitted,

H.W. Rhodes, Assistant.

Commanding "McArthur".
# Plane-Table Positions

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Object</th>
<th>Latitude</th>
<th>D.M. metres</th>
<th>Longitude</th>
<th>D.P. metres</th>
<th>Height</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>o Slim</td>
<td>48° 11'</td>
<td>296</td>
<td>124° 03'</td>
<td>738</td>
<td></td>
<td>Banners nailed on tall spruce tree.</td>
</tr>
<tr>
<td>5</td>
<td>o Pillar</td>
<td>48° 12'</td>
<td>1506</td>
<td>124° 06'</td>
<td>164</td>
<td></td>
<td>Whitewashed spot on columnar rock 140' high.</td>
</tr>
<tr>
<td>5</td>
<td>Coalmine Wharf</td>
<td>48° 14'</td>
<td>734</td>
<td>124° 10</td>
<td>584</td>
<td></td>
<td>N.W. Cor. of wharf.</td>
</tr>
<tr>
<td>6</td>
<td>Tree Rock</td>
<td>48° 15'</td>
<td>1358</td>
<td>124° 14'</td>
<td>148</td>
<td>40</td>
<td>Columnar rock with lone tree growing on top.</td>
</tr>
<tr>
<td>6</td>
<td>Light House</td>
<td>48° 15'</td>
<td>1586</td>
<td>124° 14</td>
<td>1108</td>
<td></td>
<td>Center of Light-house at Slip Pt.</td>
</tr>
<tr>
<td>6</td>
<td>Flag pole</td>
<td>48° 15'</td>
<td>1224</td>
<td>124° 15</td>
<td>5</td>
<td></td>
<td>Near Light keepers quarters, Slip Pt.</td>
</tr>
<tr>
<td>6</td>
<td>Weather Signal</td>
<td>48° 15'</td>
<td>413</td>
<td>124° 15'</td>
<td>858</td>
<td></td>
<td>Steel tower at Clallam, Wash.</td>
</tr>
<tr>
<td>6</td>
<td>o Camp</td>
<td>48° 18'</td>
<td>670</td>
<td>124° 25'</td>
<td>707</td>
<td></td>
<td>Tripod signal built on high rock.</td>
</tr>
<tr>
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<td>Weather signal</td>
<td>48° 22'</td>
<td>725</td>
<td>124° 35'</td>
<td>339</td>
<td></td>
<td>Steel signal tower on Baadam Pt.</td>
</tr>
</tbody>
</table>
South Shore of Juan de Fuca Strait of Washington

Gallants Bay to Neah Bay

Scale \( \frac{1}{20,000} \)

surveyed 1908-9 by party on board U.S.S. McArthur

H.W. Rhodes, essb commanding