Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: S.C. Alaska

DESCRIPTIVE REPORT.

Locality:
Sukkwana
Barrow and South Pass of Sukkwana

1912

Chief of party:
P. P. Hendrickson
The finished topographic sheet is to be accompanied by the following form, properly filled in, when the sheet is turned in to the office.

U. S. COAST AND GEODETIC SURVEY
Register No. 3325

STATE S. E. Alaska

GENERAL LOCALITY South Pass of Seldovia Strait

LOCALITY Three Mile to Hydaburg

Surveyed by R. Joachim, Aide

Chief of Party R. B. Berkel, Aide

Date 1912

Scale 1:5000

Inked by Field Party

Lettered by Field Party

HEIGHTS in feet above High Water

Contour interval 100 feet.
Topographic Sheet No. 4.
South Pass of Sukaum Strait
and Sukkwan Narrows,

from
Tlevak Strait to Hydaberg,
Alaska.

Scale 1:5000

By the party on the Str. GEDNEY,
R.B. Derickson,
Commanding.

October 1912.
Beginning with the southern entrance, small and heavily wooded islands bound Sukkwan Narrows on the west, while on the east it is bounded by Sukkwan Island which is also densely covered by spruce and undergrowth.

The survey of these Narrows was made during the first of October 1912, weather being misty and rainy. First sextant angles were carried from the old triangulation stations "Fort" "Lap" and "Hut" through the Narrows to the Indian Village "Hydaberg". These angles were plotted on the sheet preparatory to starting the topography. The stations were only temporarily marked by a small flag which could afterwards be used as hydrographic signals. Next, a plane table survey was made of the Narrows. Alidade sights were taken on the flag stations and the latter adjusted. Their positions on the plane table sheet were marked as hydrographic signals located by plane table.

At the southern entrance and very near the Sukkwan Island side of the Narrows, is a small grassy island with a lone spruce tree growing on the highest part. This island is commonly called Christmas Island and bears the triangulation station "Lap". The next feature of importance is a low rocky point on the west side of the Narrows and is about \( \frac{1}{4} \) mile NE (Mag.) of Christmas Island. Rocks awash are scattered about fifty meters off this point, with patches of kelp growing among them. The point bears the triangulation station "Hut". Across the Narrows from here, the broken shore line of Sukkwan Island recedes, forming a bay which affords good anchorage. Throughout the Narrows, the beach is
mostly shingle with scattered boulders.

From this anchorage, there are no distinctive features of the shore line on the east side of the Narrows until reaching the "Scraggy" Isds. They are separated from Sukkwan Island only at high water, are low and densely wooded, and are bordered by rocks awash. A reef runs off from these islands and extends about 100 meters into the Narrows. Patches of kelp cover this reef.

About 3/4 of a mile NNE (Mag) of the Scraggy Islands, is the most narrow part of the Narrows, on the east side of which is a low wooded point marked by three large totem poles and scattered shacks.

This very narrow passage opens into a much larger channel which lies about at right angles to the former. Directly across the channel is "Hydaberg" village which has a population of about six white inhabitants and 150 Indians. The village has a saw mill which employs about twenty men. Most of the inhabitants are interested in fishing and canning work. A good school house and a cooperative store helps to make the place a thriving Indian village.

North of the village the channel appears to be foul, reefs running off shore on either side and helps patches growing far out from shore. Tide rips are also very bad.

To the southward the shore line is fairly clear, being mostly shingle beach. Directly off the village is a long sand shoal which goes dry at low water. Yet this shoal does not extend the whole length of the village. There is a small anchorage off the northern end of the town, and apparently good water off the southern end. The scale of this sheet is 1:5000. The timber is mostly fir; the shoreline is wooded to the H.W. mark.

Approved:

Chief of Party.

Respectfully submitted,

Topographer.
<table>
<thead>
<tr>
<th>Station</th>
<th>Lat.</th>
<th>D.N.</th>
<th>Long.</th>
<th>D.P. Above H.F.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept</td>
<td>55°</td>
<td>10</td>
<td>1012.4</td>
<td>592.7</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Horse</td>
<td>55°</td>
<td>10</td>
<td>1001.5</td>
<td>83.2</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Fang</td>
<td>55°</td>
<td>10</td>
<td>1744.6</td>
<td>423.4</td>
<td>Trunk of prominent tree on small island</td>
</tr>
<tr>
<td>Scrugg</td>
<td>55°</td>
<td>11</td>
<td>342.6</td>
<td>490.1</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Oar</td>
<td>55°</td>
<td>11</td>
<td>319.9</td>
<td>302.4</td>
<td>Small flag with staff fastened in rock crevice.</td>
</tr>
<tr>
<td>Round</td>
<td>55°</td>
<td>11</td>
<td>945.6</td>
<td>450.1</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Gad</td>
<td>55°</td>
<td>11</td>
<td>1478.8</td>
<td>100.9</td>
<td>Small tripod with flag.</td>
</tr>
<tr>
<td>Kristo</td>
<td>55°</td>
<td>11</td>
<td>917.6</td>
<td>468.6</td>
<td>Lone rock along shore line.</td>
</tr>
<tr>
<td>Rey</td>
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<td>11</td>
<td>1293.1</td>
<td>458.4</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Wan</td>
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<td>11</td>
<td>1826.6</td>
<td>335.4</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Wart</td>
<td>55°</td>
<td>12</td>
<td>10.6</td>
<td>291.4</td>
<td>Small tripod with flag.</td>
</tr>
<tr>
<td>Fide</td>
<td>55°</td>
<td>12</td>
<td>365.6</td>
<td>501.1</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Tide Gage</td>
<td>55°</td>
<td>09</td>
<td>1585.8</td>
<td>264.6</td>
<td>Tide gauge built on end of trestle</td>
</tr>
<tr>
<td>Suk</td>
<td>55°</td>
<td>11</td>
<td>1846.7</td>
<td>473.2</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Tin</td>
<td>55°</td>
<td>12</td>
<td>1427.7</td>
<td>464.5</td>
<td>Banner set up on small detached rock.</td>
</tr>
<tr>
<td>Bert</td>
<td>55°</td>
<td>12</td>
<td>117.3</td>
<td>389.9</td>
<td>White flag supported by small pile of boulders.</td>
</tr>
<tr>
<td>Station</td>
<td>Lat.</td>
<td>D.M.</td>
<td>Long.</td>
<td>D.P.</td>
<td>Above H.F.</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>------</td>
<td>-------</td>
<td>------</td>
<td>------------</td>
</tr>
<tr>
<td>Saw</td>
<td>55°12'</td>
<td>664.2</td>
<td>132°49'</td>
<td>773.3</td>
<td>20 ft.</td>
</tr>
<tr>
<td>Hawk</td>
<td>55 12</td>
<td>1433.7</td>
<td>132 49</td>
<td>833.9</td>
<td>5 &quot;</td>
</tr>
<tr>
<td>Can</td>
<td>55 11</td>
<td>981.0</td>
<td>132 49</td>
<td>827.9</td>
<td>10 &quot;</td>
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Descriptive report to accompany tumbide of Sukkwan Narrows.

The purpose of this sheet is to show the location of the new dock at Hydaberg. Two topographic stations were recovered and the dock was located with a plane table.

Respectfully Submitted,

J. F. Campbell
Asst. C. I. G. S.

F. H. Hardy, Assst. Chief of Party
Surveyed in 1915