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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *S.E. Alaska*

DESCRIPTIVE REPORT.

Top

Sheet No. *3325*

LOCALITY:

Sukkwan

Narrow

and

South Pass of Sukkwan

Strait

1912

CHIEF OF PARTY:

R. B. Erickson

11-4845

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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 Sukkewan Strait

LOCALITY Illewak Strait to Hydalberg

Surveyed by A. Joachims, Asst

Chief of Party R. B. Derickson, Asst.

Date 1912

Scale 1:5000

Inked by Field Party

Lettered by Field Party

HEIGHTS in feet above High water

Contour interval 100 feet.

3325

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Topographic Sheet No. 4.
South Pass of Sukkwan 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.

Top. 3325

Descriptive Report to accompany sheet of Sukkwan Narrows, and *South Pass of Sukkwan Strait*

S. E. Alaska:
3325

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Beginning with the southern entrance, small and heavily wooded *South Pass of Strait* 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.

Pass and
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 "Nut" 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 *and South Pass,* Narrows. Alidade cuts 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 *South Pass* ~~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 "Nut". Across the *South Pass* ~~Narrows~~ from here, the broken shore line of Sukkwan Island recedes, forming a bay which affords good anchorage. Throughout the *South Pass* ~~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 ^{South Pass} ~~Narrows~~ until reaching the "Scraggy" Ids. 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 ^{South Pass} ~~Narrows~~. Patches of kelp cover this reef.

About $\frac{3}{4}$ 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 cannery 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 kelp 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:

R.B. Alexander
Chief of Party.

Respectfully submitted,

Goachime
Aid, C. & G. Survey,
Topographer.

*Conditions in part of
R.B.*

PLANE TABLE POSITIONS.

3325

Station	Lat.	D.M.	Long.	D.P.	Above H.W.	Description.
New	55°09'	1777.5 78.0	132°52'	635.8 426.4	2 ft.	White flag supported by small pile of boulders.
Horse	55 10	1901.5 854.0	132 52	83.2 979.0	0	White flag supported by small pile of boulders
Dark	55 10	1012.4 843.1	132 51	592.7 469.5	6 "	" " " " "
Fang	55 10	1744.6 110.9	132 52	423.4 638.8	30 "	Trunk of prominent tree on small island
Scrag	55 11	342.6 1512.9	132 51	202.4 859.8	10 "	Small flag with staff fastened in rock crevice
Grip	55 11	319.9 1535.6	132 51	387.6 674.8	15 "	Small flag with staff sunk in grass cov. rock
Round	55 11	945.6 909.9	132 51	450.1 612.1	0	White flag supported by small pile of boulders.
Ged	55 11	1473.8 381.7	132 51	100.9 961.3	2 "	" " " " "
Krie	55 11	938.5 917.0	132 50	486.2 576.0	10	Lone rock along shore line
Wey	55 11	1292.1 563.4	132 50	653.1 409.1	6 "	White flag supported by small pile of boulders.
Wan	55 11	1326.6 28.9	132 50	635.4 426.8	-2 "	" " " " "
Wart	55 12	10.6 1844.9	132 50	291.4 770.8	0	Small tripod with flag.
Wide	55 12	365.0 1490.5	132 50	501.1 561.1	5 "	White flag supported by small pile of boulders.
Tide Gauge	55 09	1585.8 269.7	132 52	284.6 777.6	7 "	Gauge built on end of trestle
Suk	55 11	1816.7 38.8	132 50	473.2 591.0	-2 "	White flag supported by small pile of boulders
Tin	55 12	1437.7 417.8	132 50	484.5 577.7	5 "	Banner set up on small detached rock.
Bert	55 12	117.8 1737.7	132 49	389.9 672.3	5 "	White flag supported by small pile of boulders

Station	Lat.	D.M.	Long.	D.P.	Above H.W.	Description.
Saw	55°12'	688.2 1167.3	132°49'	773.3 288.9	20 ft.	SE cor. of saw mill- flag nailed to piling.
Hawk	55 12	1433.7 421.8	132 49	833.9 228.3	5 "	White flag supported by small pile of boulders
Can	55 11	981.0 874.5	132 49	827.9 234.3	10 "	Banner supported by pile of boulders.

small
Descriptive report to accompany *on chart 8150* bromide of Sukkwan Narrows. *Lat 55°*
Long 132°

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,

H B Campbell.

Asst. C. & G. S.

F. H. Hardy, Asst., Chief of Party

Surveyed in 1915