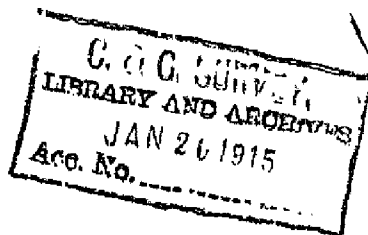


3474



Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Loomis
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Top Sheet No. *3474*

LOCALITY:

Nichols Passage

1914

CHIEF OF PARTY:

C. J. Williams

11-4945

3474

DESCRIPTIVE REPORT
AND
LIST OF PLANE TABLE POSITIONS
OF
PLANE TABLE SURVEY
OF
EAST AND WEST SHORES OF
NICHOLS PASSAGE
S. E. ALASKA.
by D.Karr - Aid.
May 15 - June 15, 1914.

Sheet Number 1.
Number of Sheets, 4

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET No. 3.

SHEET No., 3, includes the topography between Long., $131^{\circ} 33'$ and Long. $131^{\circ} 47'$; and between Lat., $55^{\circ} 10'$ and Lat., $55^{\circ} 16'$ on Annette Island, and between Lat., $55^{\circ} 06'$ and Lat., $55^{\circ} 16'$ on Gravina Island. It shows also the stretch of shoreline on Annette Island from \triangle Spot to \triangle Ced.

The topographic party consisted of the topographer and two to three men. A motor cutter was used for this work. In determining the contours on both the eastern and western shores of Nichols Passage, the elevations of a great many prominent points, besides all shoulders and summits, were carefully determined. The extent of the low water line was rodged in at low water wherever possible, and all rocks shown were located by rod readings.

GENERAL DESCRIPTION.

Sylburn Harbor, well sheltered on the south by Priest Point, is a good anchorage for small boats. The shore is irregular with gravel, shingle, and rocky beaches.

Sheet Number 2.
Number of Sheets, 4

DESCRIPTIVE REPORT - SHEET No. 3.

There are several rocks to be avoided. For a short stretch north the hillside rises abruptly from the water's edge and is covered with dead standing timber, which gives it a distinctive light gray color. There is much good timber north of O Burn to Walden Point, most of the summits as well as the mountain sides being well covered.

Nearly due east of Δ Plug where the mountain rises precipitously for over 1,000 feet there is the prominent scar of a landslide, the ^{si}portion of which is indicated in ~~panel~~ ^{ink} on the sheet. The shoreline from Δ Karr to Walden Point should be taken from Sheet No., 2.

Nearly all the western shore of Nichols Passage is steep. In Bostwick Inlet, however, the tide leaves bare considerable stretches of boulders and shingles at low water. At the head of the inlet there is about a mile of flats bared at low water. The salmon fishing and crabbing is good in this arm.

When entering Seal Cove one can pass the rocks and reefs safely by leaving the spar, found in the easterly entrance, close on the starboard hand and heading for the shacks a little south of O Stack.

(Seal Cove)

A mining company started operations in this bay, some years ago. Their plant is located on the westerly shore and they worked into the mountain rising in the rear. The work was shortly abandoned; but the equipment, which

Sheet Number 3.
Number of Sheets, 4

DESCRIPTIVE REPORT - SHEET No. 3.

represents a considerable investment, as still there and in good condition. Most of the mines in this immediate vicinity are known as the Sanford Group of Mines. Along the northernly shore of Dall Bay several of their small mining claims are worked irregularly.

Gas boats pass through Dall Bay and behind Bronough Islands en route to and from Ketchikan and Prince of Wales Island. The land south of $55^{\circ} 10'$ is low with little if any good timber. Bronough Islands include the whole group of islands lying south of Dall Bay. The larger ones are well wooded - one or two of the small ones are bare of trees.

The mountain immediately west of Seal Cove with its numerous rugged peaks is one of the most interesting features of all this topography. Looking at the group of peaks from the SE., at a distance of 7 to 10 miles or more, they appear to form a regular and clear cut profile - the chin toward the east and the forehead toward the west. The peak, elevation 1,970, latitude $55-1/2^{\circ} \pm$ is quite distinctive. Its summit is well covered with trees and brush; but between the 800 and 1,500 ft., contours, there are no trees and the bare grey and brown cliffs contrast sharply with the green of the timber above and below them giving the appearance of a wide dark band. In the deep ravine there is considerable good timber, but the summits

Sheet Number 4.
Number of Sheets, 4

DESCRIPTIVE REPORT - SHEET No. 3.

are bare and brownish purple in color. North of $55^{\circ} 12'$ the hills are less rugged and the timber is abundant and apparently of good growth. None of the numerous streams are of important size. There are no settlements along the west shore of Nichols Passage. Game is reported to be abundant on Grayine Island and the topographic party often sighted deer along the beaches.

Douglas Horn. and.

DESCRIPTIVE REPORT - SHEET NO. 3

A copper bolt set in a mass of concrete was found by the party on the highest point of the southerly islet of the group that fills the entrance to Seal Cove.

The islet on which the bolt was found is bare of trees but there is an abundance of coarse grass growing on it.

The location of this point is given in the list of Plane Table positions accompanying this report.

The STATISTICS for this sheet are as follows:

Linear miles of Shoreline (statute) - 54

Area in statute square miles: 39

D. Karr. Aid.

DESCRIPTIONS OF SIGNALS

to accompany

Topographic
HYDROGRAPHIC SHEET No. 3.

<u>Signal</u>	<u>Latitude</u>	<u>D.M.</u>	<u>Longitude</u>	<u>D.M.</u>	<u>Height</u>	<u>Mark</u>
Stack	55° 11'	231 1624	131° 43'	791 271	8 Ft.	Tall stack
Tan	55° 14'	885 1970	131° 44'	372 688	2 "	Whitewashed boulder
Wash	55° 06'	1337 518	131° 42'	503 561	2 "	Whitewash
<i>Copper Bolt</i>	<i>55° 10'</i>	<i>1430 425</i>	<i>131 43</i>	<i>120 942</i>	<i>10 "</i>	<i>Copper Bolt set in mass of Concrete</i>

DESCRIPTIONS OF SIGNALS

to accompany

Topographic
~~Topographic~~ SHEET No. 3. (T. 3474)

S.E. Alaska datum

<u>Signal</u>	<u>Latitude</u>	<u>D.P.</u>	<u>Longitude</u>	<u>D.M.</u>	<u>Height</u>	<u>Mark</u>
Rack	55° 08'	1726 129	131° 44'	418 605	8 Ft.	Braced pole
Ram	55° 13'	1299 587	131° 44'	525 536	3 "	Braced pole
Sea	55° 10'	1067 772	131° 43'	275 786	10 "	Whitewash
Shale	55° 09'	1191 864	131° 44'	841 821	3 "	Whitewash
Square	55° 09'	637 1218	131° 44'	704 592	3 "	Whitewash
Shore	55° 10'	1267 886	131° 35'	942 120	6 "	Whitewashed rock
Short	55° 10'	1482 367	131° 34'	676 385	2 "	Stump white- washed
Shut	55° 09'	31 1824	131° 44'	951 111	5 "	Whitewash
Slim	55° 10'	1070 785	131° 35'	883 179	8 "	Whitewashed rock
Slit	55° 09'	1402 454	131° 43'	929 133	6 "	Whitewash
Smut	55° 11'	727 1128	131° 43'	392 670	2 "	Whitewashed rock
Spruce	55° 10'	1674 181	131° 35'	14 1048	8 "	Banner on small tree
Square	55° 09'	822 1033	131° 44'	832 231	5 "	Whitewash
Squat	55° 12'	1807 48	131° 44'	569 492	2 "	Braced pole
Sea	55 10	1737 116	131° 44'	1025 37	6 "	Pole

DESCRIPTIONS OF SIGNALS

to accompany

Topograph

Topographic SHEET No. 3. (T. 3474)

S.E. Alaska datum

<u>Signal</u>	<u>Latitude</u>	<u>D.R.</u>	<u>Longitude</u>	<u>D.M.</u>	<u>Height</u>	<u>Mark</u>
Back	55° 08'	1423 432	131° 43'	939 124	3 Ft.	Braced pole
Bat.	55° 08'	260 1587	131° 44'	434 629	8 "	Braced pole
Bas	55° 11'	463 1292	131° 35'	00 1062	2 "	Banner on tree
Bond	55° 14'	941 915	131° 45'	343 717	0 "	Braced pole
Bito	55° 14'	1401 454	131° 41'	168 892	0 "	Braced pole
Brace	55° 09'	450 1405	131° 45'	142 920	8 "	Braced pole
Cliff	55° 14'	1855 20	131° 40'	492 567	5 "	Whitewash
Crad	55° 12'	1426 430	131° 44'	166 895	1 "	Braced pole
Con	55° 07'	727 1128	131° 43'	885 178	8 "	Whitewash
Dab	55° 09'	1158 697	131° 44'	1027 35	12 "	Braced pole
Dirt	55° 10'	1611 244	131° 43'	498 574	6 "	Whitewash
Dit	55° 07'	384 1471	131° 44'	240 823	10 "	Braced pole
Doc	55° 07'	840 1008	131° 44'	470 594	2 "	Braced pole
Faco	55° 10'	1516 539	131° 36'	22 1040	8 "	Whitewashed rock
Fan	55° 10'	972 883	131° 35'	495 567	15 "	Banner in small tree

DESCRIPTIONS OF SIGNALSto accompany*Topographic*
HYDROGRAPHIC SHEET No. 3. (T.3474)*S.E. Alaska datum*

<u>Signal</u>	<u>Latitude</u>	<u>D.P.</u>	<u>Longitude</u>	<u>D.M.</u>	<u>Height</u>	<u>Mark</u>
Fall	55° 14'	1705 150	131° 46'	192 868	2 Ft.	Braced pole
Far	55° 09'	31 1824	131° 44'	951 111	5 "	Whitewash
Fly	55° 15'	1085 770	131° 46'	350 710	10 "	Gable of shack
Front	55° 08'	1074 781	131° 44'	572 481	10 "	Whitewash
Floss	55° 08'	763 1092	131° 44'	134 929	0 "	Braced pole
Hump	55° 07'	1304 550	131° 44'	928 135	8 "	Braced pole
Join	55° 06'	1426 420	131° 44'	218 846	6 "	Whitewash
Kite	55° 09'	961 894	131° 45'	145 917	2 "	Braced pole
Led	55° 08'	40 1810	131° 44'	475 473	3 "	Whitewash
Lone	55° 06'	1161 684	131° 44'	470 594	12 "	Scrub tree
Lun	55° 11'	483 9372	131° 43'	749 313	5 "	Whitewash
Mad	55° 13'	639 1216	131° 41'	928 133	8 "	Banner on stump
Not	55° 11'	80 1775	131° 34'	882 180	2 "	Whitewash
Nub	55° 10'	1394 461	131° 35'	408 654	3 "	Whitewashed rock