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C. & G. SURVEY,
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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

J. N. Tittmann
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *3027*

LOCALITY:

*Prince William Sound,
Knight Island to
Naked Island*

1909

CHIEF OF PARTY:

G. T. Reid

3027

W.P. C.

Survey and Archives

3027

COAST AND
GEODETIC SURVEY

DESCRIPTIVE REPORT.

JUN -8 1910

HYDROGRAPHIC SHEET NO. 3028.

REFERRED TO

MUMMY BAY TO LOWER HERRING BAY, KNIGHT ID.

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Assistant in Charge

ALASKA.

SEASON 1909.

Gilbert T. Rude, Chief of Party.

P.M. Trueblood, Topographer.

Instructions:

Instructions for this work called for the Hydrography of the bays and passages and supplemental Hydrography in Knight Island Passage to fill in that done in 1907.

Bays, Harbors and Passages:

There are three bays within the limits of the sheet, Mummy, Thumb and Copper Bays. The Head of Mummy Bay is foul and is a poor anchorage on account of deep water and rocky bottom. Thumb Bay, an arm of Mummy Bay is clear to its Head, but is a poor anchorage on account of smooth rocky bottom. Copper Bay was not sounded as the entrance is so narrow and foul that it was considered unsafe to take the Taku inside. There is also considerable current in the entrance. Long Passage is clear with very deep water (60 to 100 fathoms) in the south entrance and shoaling to 25 fathoms toward the middle. It will probably be used only by small craft as it narrows considerably when about half way through from the Southward.

Shoals and Ledges:

There is a Ledge running to the southward from the two islands on the north side of the Western Entrance to Long Passage, the deeper

water being just north of the rocks which are north of the island on the south side of the Western Entrance.

There is a rocky Ledge making out to the westward from the two islands which lie west of Squire Island. This may be avoided by opening the range: West tangent of Squirrel Island and west tangent of two small islands lying west of Mummy Island.

There is a rock off Signal South which is covered at high water. A note to this effect was written on the Topographic Sheet.

The remainder of the area covered by the sounding is all clear, ranging from 100 to 350 fathoms, with deep water all around the Pliades Islands.

Mountains:

The heights of mountains and vegetation on slopes are shown on the Topographic Sheet.

Respectfully submitted,

Gilbert J. Rude

Asst. C. & G. Survey,

Chief of Party.

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Hyd. Sheet No 3027

Apr. 26 1910

The four soundings, on line from 1 to 4A, at the entrance of Mummy Bay appear to be wrong either in depth or position. This spot should be examined and the depths verified.

The work in Long Channel should have been carried to a junction with Hyd Sheet 2919.

H. L. Simons

The line from pos. 1A to pos 6A is apparently out of position and was rejected. Several rocks, which were not shown, were transferred from the boat. Sheet. The accompanying tracing, which is an adjustment of the line from 1A to 6A, is of no further use and may be destroyed. Verified
(As the finished adjustment gives no additional information)

Nov. 28th, 1910.

R. L. Johnston

Tracing made as a future study, it is of no further value and may be destroyed. J.F.F.

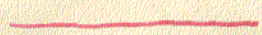



Statistics for St. Taku

3027

Date	Letter	Vol	Soundings	Angles	Miles	Boat
1909						
Sept 7	A	1	58	96	20.0	Taku
" 13	B	1	14	26	2.7	"
" 14	C	1	62	122	18.4	"
" 16	D	1	165	222	19.4	"
" 17	E	1	19	38	8.2	"
" 20	F	1	55	110	22.4	"
" 21	G	1	94	186	18.8	"
" 22	H	1	49	98	5.5	"
Total		1	516	898	115.9	

All soundings plotted in feet.

Plotted and inked by H. L. Simons.
 Verified by R. L. Johnston

Curves { 5 fath. or 30 ft. curve shown thus 
 10 " " 60 " " " " 
 20 " " 120 " " " " 
 50 " " 300 " " " " 
 100 " " 600 " " " " 