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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. N. Littmann
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 3028

LOCALITY:

*Prince William Sound,
Knight Island Passage,
Munnery Bay to Johnson
Bay*

1909

CHIEF OF PARTY:

Gilbert I. Rude

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COAST AND
GEODETIC SURVEY

DESCRIPTIVE REPORT.

3028

JUN -8 1910

HYDROGRAPHIC SHEET NO. 3028.

REFERRED TO:
Assistant in Charge

LOWER PASSAGE, KNIGHT ISLAND TO SOUTH

JUN 9 - 1910
Acc No.

COAST NAKED ISLAND, PRINCE WILLIAM SOUND,

ALASKA.

SEASON 1909.

Gilbert T. Ride, Chief of Party.

P.M. Trueblood, Topographer.

Instructions:

Instructions for this work called for the Hydrography of the bays and passages and to join that already done off shore.

Bays and Passages:

Lower Passage has a good depth of water except the following: A ledge bare at low water makes out a short distance from the South shore of Disk Island. This may be cleared by keeping in mid-channel. Another ledge makes out from the opposite side to the Southwest shore of Disk Island, the least water found being about 9 fathoms. This may be avoided by favoring the Disk Island shore after opening the entrance to Louis Bay when bound westward. After passing through the narrows between Disk and Knight Islands, bound westward, there is a rock, bare at low water, on the south side of the passage. This was used as a hydrographic signal and is shown on the boat and Topographic sheets. There is a rocky shoal, about 6 fathoms least water found, on the North side of the Passage off the Northwest point of Ingot Island but may be avoided by favoring the south shore when in the Western entrance to the Passage.

Louis Bay, West Arm, is clear. There is a ledge making out to the Northward from Dragon Point. This swings to the Eastward and almost closes the entrance to East Arm, Louis Bay. Three fathoms was found in the entrance to this Arm. There is also a rock, bare at low water, in mid-channel just inside the entrance. Favor west shore after intering.

Upper Passage is clear but is very narrow at its Eastern entrance, so would be used by small craft only.

Northeast Bay is clear. It separates into two arms which are too narrow for anchorages. The main bay is unfit for an anchorage owing to its depth and rocky bottom.

There are two rocks off the East shore of Eleanor Island, bare at all stages of the tide. They were used as hydrographic signals and are shown on the Topographic sheet as "No" and "So". The north rock "No" has deep water all around it except a ledge making toward Eleanor Island from its west side. "So" has a ledge running to the Southward. These were developed and are shown on the boat sheet.

The remainder of the area was clear.

Prominent Objects:

There are no prominent objects worthy of mention.

Mountains and Hills:

The mountains and hills, with the altitude of vegetation, are shown on the Topographic sheet and described in the Descriptive Report of that sheet.

Entrance to Lower Passage:

The East Entrance to Lower Passage should be made from the Southward, favoring Knight Island shore and giving the twin rocks, off the

3.

entrance, a good berth.

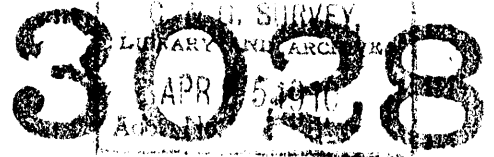
Respectfully submitted,

Gilbert J. Van Dine

Asst. C. & G. Survey.

Chief of Party.

Statistics for Hyd. 3028.



DATE	LETTER	VOLUME	SOUNDINGS	ANGLES	NAUTICAL MILES	BOAT
July 28, 1909.	a	1	79	157	13.0	Taku
" 29, "	b	1	15	30	3.8	"
August 2, "	c	1	55	98	13.3	"
" 3, "	d	1	105	136	16.9	"
" 4, "	e	1	25	28	1.5	"
" 12, "	f	1	108	212	14.0	"
" 13, "	g	1	96	190	15.1	"
" 16, "	h	1	46	90	4.7	"
" 18, "	i	1	82	132	17.6	"
" 19, "	k	1	76	122	14.1	"
" 20, "	l	1+2	160	190	13.5	"
" 21, "	m	2	132	202	15.1	"
" 23, "	n	2	16	32	2.1	"
" 24, "	o	2	66	130	11.0	"
" 25, "	p	2	175	232	14.3	"
" 26, "	q	2	194	282	18.0	"
" 27, "	r	2	48	58	3.0	"
TOTALS		2	1478	2321	191.0	

Soundings plotted in feet.

Protracted, plotted and inked by R. L. Johnston
 Verified by J. D. Torrey. 12/10

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Report on Hyd. Sheet # 3028

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No.

For the amount of work done on this sheet, the ground is extremely well and systematically covered.

The bottom is nearly all rocky and very irregular, dangerous shoals existing in many places.

As no hydrographic sheet was turned in, it was necessary to construct a projection and transfer the shore-line and signals from the topographic sheet before protracting the positions.

The five, ten, fifty, one hundred and two hundred fathom curves have been put on in pencil.

The records are well kept.

The soundings have been added from all over-lapping Hydrographic sheets, ~~so that~~ therefore this sheet is a complete record of all the Hydrography available within its limits.

R. L. Johnston

Draftsman

4/25/10

V. E. G.
Jan. 5, 1910.

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HYDROGRAPHIC SHEET NO. 3028.

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Acc No.

North Coast of Knight Island, Prince William Sound,
Alaska, by Asst. G. T. Rude in 1909.

TIDES.

	Louis Bay ft.
Mean lower low water, or plane of reference on staff	4.2
Lowest tide observed " "	1.6
Highest " " " "	16.7
Mean range of tide	9.8