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# 3671

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Diag. Chart No. 8202-1

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*O. Pittman*  
Superintendent.

State: *Alaska*

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DESCRIPTIVE REPORT. *3671*  
*Hydrographic Sheet No. 3671*

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LOCALITY:

*Jay Straits*

*Jay Passage*

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*1914*

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CHIEF OF PARTY:

*R. S. Patton*

# 3671

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DEPARTMENT OF COMMERCE  
COAST & GEODETIC SURVEY.  
O. H. TITTMAN, SUPERINTENDENT.

HYDROGRAPHIC SHEET NO. 3671

ICY PASSAGE,  
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ICY STRAITS, ALASKA.

SCALE: 1-40000.

HYDROGRAPHY by

R. S. PATTON, ASS'T.

H. A. COTTON, ASS'T.

A. R. HUNTER, W. O.

Steamer "EXPLORER"

R. S. PATTON, CHIEF of PARTY.

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET NO. 3671

ICY PASSAGE

ICY STRAITS, ALASKA.

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There are, I believe, no details connected with the survey of this region which require special mention. The work was done by the ship and launch, the ship covering the major portion of the area, while the launch supplemented her work by filling in along the shore. No attempt was made to carry soundings over the mud flats on the north side of the **P**assage, the limits of the flat alone being determined by a line run close along the edge at low water. In the narrow channel between these flats and Pleasant Island it will be noted that the lines are run in the direction of, rather than across the channel. This was done in order to allow the ship to do the work in this locality, whereas cross-lines would have been too short and attended by too great risk to be run by the ship.

In going through this passage vessels should favor the shore of Pleasant Island. Good water will be found close to the end of the prominent reef on the north side of the island. At half tide this reef bares to the extreme end, and 11 to 12 fathoms of water will be found about 200 metres outside it. Good anchorage, well sheltered, will be found in the area east of this reef.

At its eastern limits this sheet joins the 1-20000  
sheet of Excursion Inlet and the Porpoise Islands.

A table of statistics of hydrographic work is attached.

Respectfully submitted,

A handwritten signature in cursive script, reading "R. S. Patton". The signature is written in dark ink and is positioned below the typed name.

CHIEF of PARTY.

TABLE OF STATISTICS - HYDROGRAPHIC SHEET #.....

Date. 1914.	Letter.	Vol.	Positions.	Soundings.	Miles, Statute.	Vessel.
May 9,	A	1	112	112	23.0	Ship.
June 3,	F	1	27	103	7.0	"
May 21/	B	2	56	56	13.6	"
" 22,	C	2	109	109	28.5	"
" 23,	D	2	58	161	15.0	"
" 26,	E	2	139	432	32.0	"
June 3,	F	2	63	290	17.0	"
May 23,	e	1	49	49	8.0	Launch.
" 28,	i	2	137	373	21.0	"
June 2,	m	2	99	224	17.3	"
" 3,	n	2	<u>74</u>	<u>95</u>	<u>8.4</u>	"
Totals, .....			923	2004	190.8	

Soundings in fathoms; reductions in feet.

Plane of reference Mean lower low water.

Tide gauge at Upper Cannery, Excursion Inlet.

Plane of Reference reads, 5.0' on staff.

Highest tide observed June 8, reads 22.4' " "

Lowest " " " 8, " 1.48' " "

VEC

Dec. 11, 1914.

L. S. S.

HYDROGRAPHIC SHEET 3671.

Icy Passage, Icy Strait, Alaska, by Assistant R. S.  
Patton in 1914.

TIDES.

	Excursion Inlet ft.
Mean lower low water, or plane of reference on staff	5.0
Lowest tide observed " "	1.5
Highest " " " "	22.5
Mean range of tide	12.4

Hyd. 3671

(Changes made in verification)

Selection of soundings changed throughout, but depth not affected.

All rocks along shore between a point south of  $\Delta$  Help and  $\odot$  Mix were added.

No material change in curves, except 50 fath curve, west of  $\Delta$  Round.

Hyd. Sheet. No. 3671

Within the limits of the work, the ground is thoroughly covered and the soundings cross well in most cases.

No unusual features were noticed.

R. L. Johnston  
Verified; Nov 12, 1915.

Soundings shown in fathoms.

Protracted by field party.

Soundings plotted by field party.

Soundings verified and inked by R. L. J.



H. 3671.

Pass north of Pleasant Island, Icy Strait.-- The area of hydrography is well done and a good survey obtained.

Sheet examined in Div.  
of Hyd'y & Top'y.