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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. S. Pittman
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.
3673
Hydrographic Sheet No. *3673*

LOCALITY:
Pastoria
Channel

1914

CHIEF OF PARTY:
R. S. Patton

11-4045

3673

POST-OFFICE ADDRESS: 200 Burke Bldg, Seattle, Wash.

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE

RSP/L

U. S. COAST AND GEODETIC SURVEY Steamer EXPLORER,

Seattle, Wash., October 26, 1914.

To The Superintendent,
Coast & Geodetic Survey,
Washington, D. C.

Sir:

I have the honor to transmit herewith by registered mail the following records of an examination of the shoal off Sheep Creek, Gastineau Channel, Alaska:-

- 1 volume of Sounding Records.
- 1 Boat Sheet.
- 1 Plane Table Sheet- location of signals.

In undertaking this work it was not known exactly what was wanted. A letter from Captain Pratt, dated September 25, 1914, stated that the EXPLORER would probably be called upon "to make a detailed hydrographic survey in the vicinity of Sheep Creek, Gastineau Channel, South-eastern Alaska, similar to the one made by the "McArthur" at Treadwell two seasons ago." Unfortunately, however, I did not know what sort of a survey the McArthur made. It was assumed, however, that what was wanted was an accurate determination of the edge of the flat off the Creek. On determining the edge of this flat, therefore, it is hoped that the work done will conform to the requirements of the Office. No triangulation or other data

was available for tying this work on to previous surveys, and as this immediate vicinity has changed so materially in the past few years, it was something of a problem to find points for making this connection. There was one object, however, which has been standing in this vicinity for some years. This is the Sheep Creek power plant. The north gable of this building was accordingly located; cuts were taken to tangents and to various buildings on the opposite side of the channel, preference being given in the latter case to objects which were known to have been standing for some years.

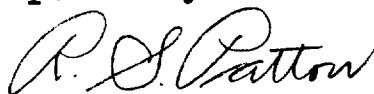
No tidal observations were made in connection with this work. It was proposed in connection with the work on the tidal station at Juneau to set up a staff on the morning low water. This morning tide, however, did not fall low enough to permit of permanently securing the staff which, accordingly, was not set up until the evening of the same day.

The statistics of the work are as follows:-

Date	Letter.	Vol.	Positions.	Soundings.	Miles.	Vessel.
1914. Oct. 6	a	1	88	276	5	Launch.

Hydrography by R. W. Healy, Mate.

Respectfully submitted,



CHIEF of PARTY.

VEC
May 5, 1915

S. P. S.

HYDROGRAPHIC SHEET 3673.

Gastineau Channel, Alaska, by Assistant
R. S. Patton in 1914.

TIDES.

	Juneau ft.
Mean lower low water, or plane of reference on staff	9.9
Lowest tide observed " "	4.3
Highest " " " "	30.1
Mean range of tide	13.8

SPT

Drawing Section.

Hyd Sheet No 3673

The projection in black, on this sheet has no connection with this work. At this time, the data for constructing one is not available. There are no unusual features in this work.

R. L. Johnston

H. 3673.

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

A small piece of hydrography in Gastenau Channel at mouth of Sheep Creek. It is sufficient to develop the extent of the flat off the mouth of the creek.

It appears that the intention of the work was to obtain a general idea of the characteristic depths over the area and of an exploratory nature.

Soundings expressed in feet.

Protracted, plotted & inked by R.L.J.

Verified by S.E.B.