

2328 bis

Diag. Cht. No. 8551-1

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2328 bis
1906

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. G. Silliman
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hyd. C. Sheet No. *2328 bis*

LOCALITY:

*Location & development of
1/4 mile S. x W. of S. Point of
Islands, Orca Bay*

1906

CHIEF OF PARTY:

R. B. Derickson

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2328

Sheet 2328^{bis}

All soundings lies on this sheet have been transferred to, and made a part of sheet 2328.

The signals Narrows Δ and Bomb Δ were found to correspond to two positions, one named, on sheet 232, the longitude $155^{\circ} 54'$ and the latitude $60^{\circ} 36'$ were laid down from these two positions, and a projection constructed. The distance given from Narrows Δ and Bomb Δ to Salmo Δ agreed with the position of Salmo Δ as plotted by Drs. + D.B. Signal Aux. \circ had to be transferred from 2328^{bis} as no data is given for locating it.

The sounding lines are transferred to sheet 2328 as a sub-sketch scale 1:2,500

Sheet 2328⁶⁰

Department of Commerce and Labor

And all soundings around the Shoal plotted. The lines ~~are~~ also transferred to sheet 2328 in position. The shallowest sounding found (2 fathoms) is located by protracting on sheet and other soundings either plotted or transferred from sub-sketch.

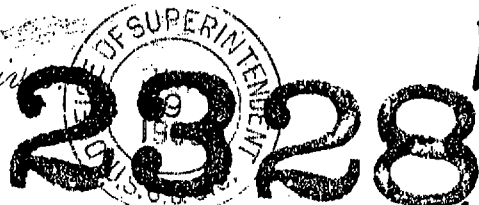
The field work seems to have been well and carefully done. While only one sounding of 2 fathoms was located, several soundings of 2 $\frac{1}{4}$ fathoms were found, showing a patch 21 x 21 meters of a depth less than 3 fathoms.

The shallowest sounding on original survey 5 $\frac{1}{4}$ fathoms 400 meters SW from Andersons fathoms.

The ~~best~~ sheet should be made a boat sheet.

Apr. 5 1906.

J. C. Down


 2328

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Report to accompany Hydrographic Sheet showing location and development of submerged rock on chord No 8520, $\frac{1}{4}$ mile S.W. of the South point of Channel Island, Cordova Bay, Alaska P.D. With the Geographic positions of Talsmo, Narrows, Bomb.

and the auxiliary station "Aur" a boat sheet was constructed scale 1/10000 on which the sounding lines were plotted.

Soundings were taken from the 5th Taler with the hand lead in order to locate the shoal on which the rock is situated. In order to develop the rock soundings were taken from the whale boat, a series of lines were run by letting the boat drift with the current, and the pinnacle was found by drifting with the lead set at $2\frac{1}{2}$ and 3 fathoms.

This rock is at the Northern extremity of a shoal which extends from a point approx one mile S.W. of Channel Island to within $\frac{3}{8}$ mile of its Southern point.

This shoal has 17 fathoms on its South end with varying depths of 8 to 12 fathoms to the rock on its Northern end. This rock is about the center of an area approx 40 miles square which consists of broken rocks and soft mud with depths of 3 and 5 fathoms. Directly to the N.W. and E. of this there is 20 fathoms and there appears to be a clear channel between this rock and the South point of Channel Island.

The pinnacle of the rock is very sharp. The sounding was made on it with the boat at rest in the water and angles were taken at the same time over the rock, both the depth and angles were

checked. At the time the rock was located the
staff from which tides were recorded at Orca Wharf
read 7.7 feet. On June 8th the water was noted to
have dropped to 1.7 feet which would give a depth
of 8.7 feet on this rock at the lowest water noted
while in this vicinity. On receipt of tidal data
from the Office correct depths with reference to the datum
plane will be forwarded with the tide and sounding
records.

On this work there were 78 miles of sounding lines and
291 soundings.

Tides were observed on plain staff at Orca wharf during
progress of the work.

Respectfully submitted

R. B. Anderson

Asst. O. W. Denny