

2483

Diag. Cht. No. 6450-1 & 6460-1

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*C. H. Tittmann*  
Superintendent.

State: *Wash*

~~DESCRIPTIVE REPORT.~~  
*Draftsmen Rept Only*  
*N. Y. C. Sheet No 2483*

LOCALITY:

190

CHIEF OF PARTY:

2483

Sheet 2483 Rich's Passage  
And Port Orchard, Washington.

As the note on sheet states, the triangulation points are practically correct from New Blake  $\Delta$ . S.E. end of sheet, to Glover  $\Delta$  and Floss  $\Delta$ . From those two points to the Westward there is an error, gradually increasing, until at Sulphur and Swan  $\Delta$ s, the Western limits of sheet, the error amounts to 30 metres.

The first line of soundings, crossing, was reprojected, using corrected positions of signals, which shows that the error in signals position will effect the position of lines and soundings a little amount, while the greatest error is probably 30 metres, and does show on 10000 scale, on a 20000 scale chart the difference will only be the space of a figure representing the soundings. As the entire passage is clear it seems unnecessary to make the correction to the sound-

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ings on the original sheet.

The soundings referred to the McDonald  
Gauge were corrected to agree with the  
tide division planes.

The lines shown on sheet 2483<sup>a</sup> are on  
main sheet, therefore 2483<sup>a</sup> should be  
made a boat sheet.

There is a sounding of 6 $\frac{1}{4}$  fathoms, marked  
doubtful, just south of F. loss  $\Delta$ . This sounding  
is probably a mistake of the recorder writing  
or hearing 7 for 11 fathoms.

There is a sounding of 17 $\frac{1}{2}$  feet near  
Roof  $\odot$ , west from Sidney, which is probably  
a mistake of one fathom or five feet.

The current observations were not plot-  
ted on the sheet originally. While not com-  
plete it seems desirable to have them  
located and drawn.

The observations were made with three  
floats or buoys in the water at the same  
time. The results would have been more  
satisfactory if one float had been used

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with three times the number of determinations. The ebb tide observations make fairly good curves, even with the few determinations. The flood tide lines indicate a meeting of the ebb tide at the entrance to the narrows at Pt. Glover. A longer and better series would doubtless give valuable and interesting results.

Dec 7<sup>th</sup> 1906

J. C. Down.