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University
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January 24, 2023

Dear Dr. Beal,

Please find attached our paper "Separation of an upwelling current bounding the Juan de Fuca Eddy" for submission to the *Journal of Geophysical Research Oceans*, co-authored with Susan Allen and Stephanie Waterman (both at UBC).

This paper presents detailed observations of water masses on the Southern Vancouver Island shelf. Synoptic surveys show that the Juan de Fuca Eddy maintains a sharp persistent front T-S compensated front with offshore waters, and that upstream of the Eddy shelf water is abruptly pushed offshore and injected into the ocean interior. While I think there are similar satellite observations of separating flows in the coastal ocean, there are few observations in-situ, and thus we think this will be of substantial interest to your readers.

Of your excellent roster of editors, Rob Hetland, Takeyoshi Nagai, and Joe O'Callaghan all have relevant expertise and no direct conflicts (though one of O'Callaghan's PhD students is a post-doc in our group presently). We have provided a list of suggested reviewers.

Thank you for your efforts editing at JGR.

Sincerely,

A handwritten signature in black ink, reading "Jody M. Klymak".

Jody M. Klymak

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