

## Circulation Models for the Discovery Islands, British Columbia

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In order to better understand viral transmission between salmon farms, high and low resolution grids have been constructed for the Discovery Islands region of British Columbia and the models FVCOM and RiCOM are being used to simulate the regional circulation. Numerous narrow passages, deep fiords, seasonal river discharges, and some of the strongest tidal currents in the world make this a very challenging area to model and an ideal application for unstructured grids. The presentation will briefly describe the creation of initial and forcing fields and then assess model accuracy through comparisons with tide gauge and current meter observations.