

Special Geophysics Seminar

Exploring Offshore Ground Water – A Case Study from Canterbury Bight, New Zealand



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Vast offshore bodies of fresh and moderately brackish groundwater have been documented up to 100 km from modern shorelines. These aquifers could potentially relieve increasing stress on aquifers in heavily populated coastal areas. Yet little is known about their exact shape and dynamic, and thus whether they could be used sustainably. I will present a case study from the Canterbury Bight in New Zealand, in which we integrate controlled-source electromagnetic and seismic reflection data, borehole information and hydrological modelling to quantitatively characterise a previously unknown offshore freshened groundwater (OFG) system near Canterbury, New Zealand.

Date: Wednesday October 16, 2019

Time: Noon

Location: Room ES2093

(U of T, Earth Science Building, 22 Russell Street)

ALL ARE WELCOME!

Pizza afterwards