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Oceanographic radar at Saxe Point Park

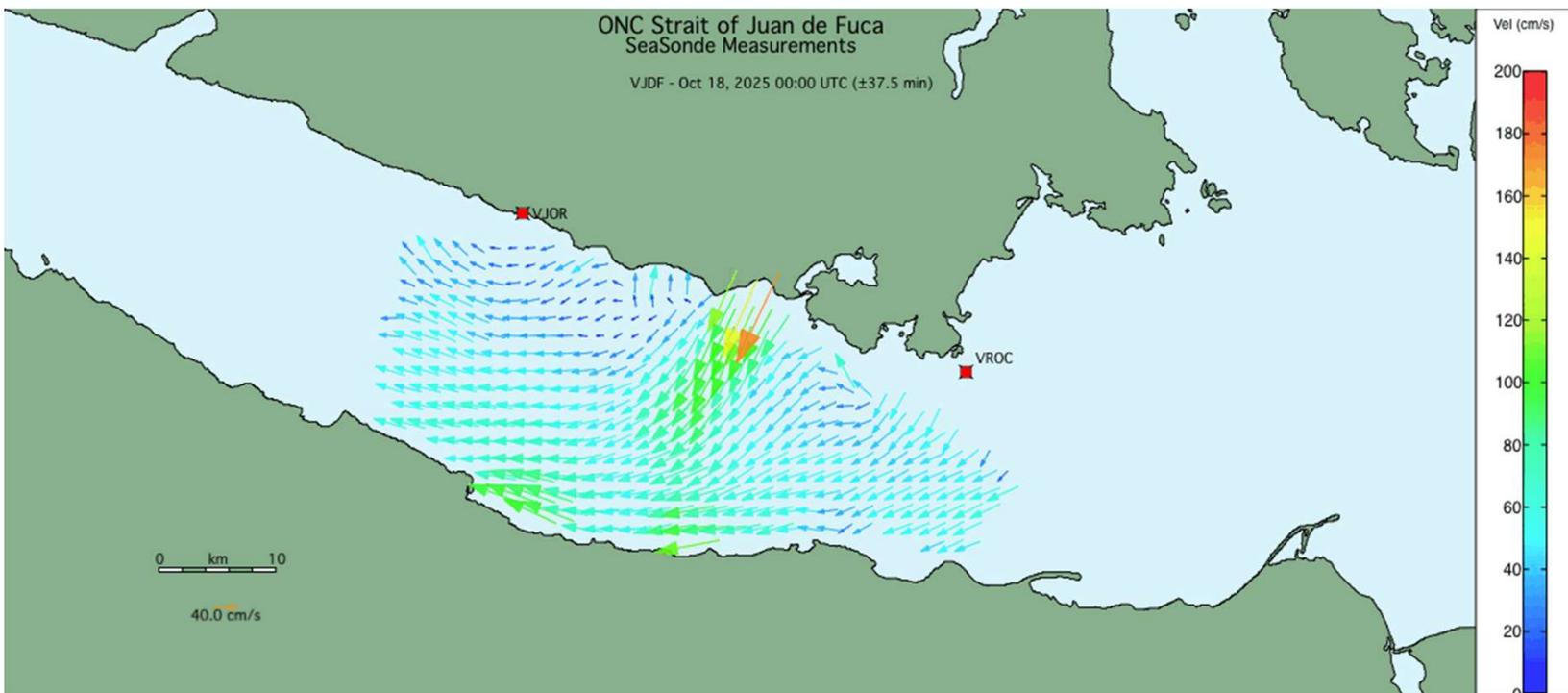
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A UNIVERSITY OF VICTORIA INITIATIVE

Existing radar data

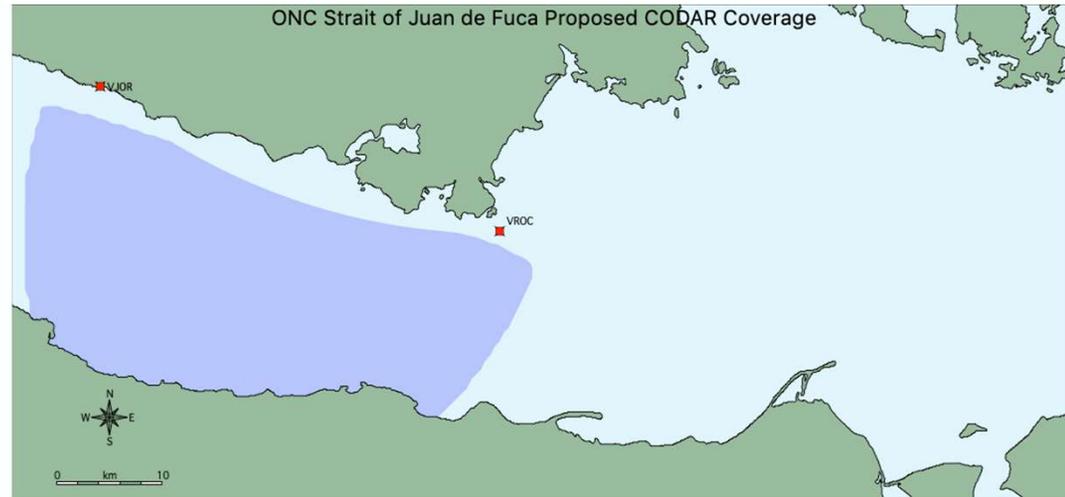
Maps of ocean surface currents are created hourly and are available from Ocean Networks Canada's website for free to anyone.



Existing and proposed coverage

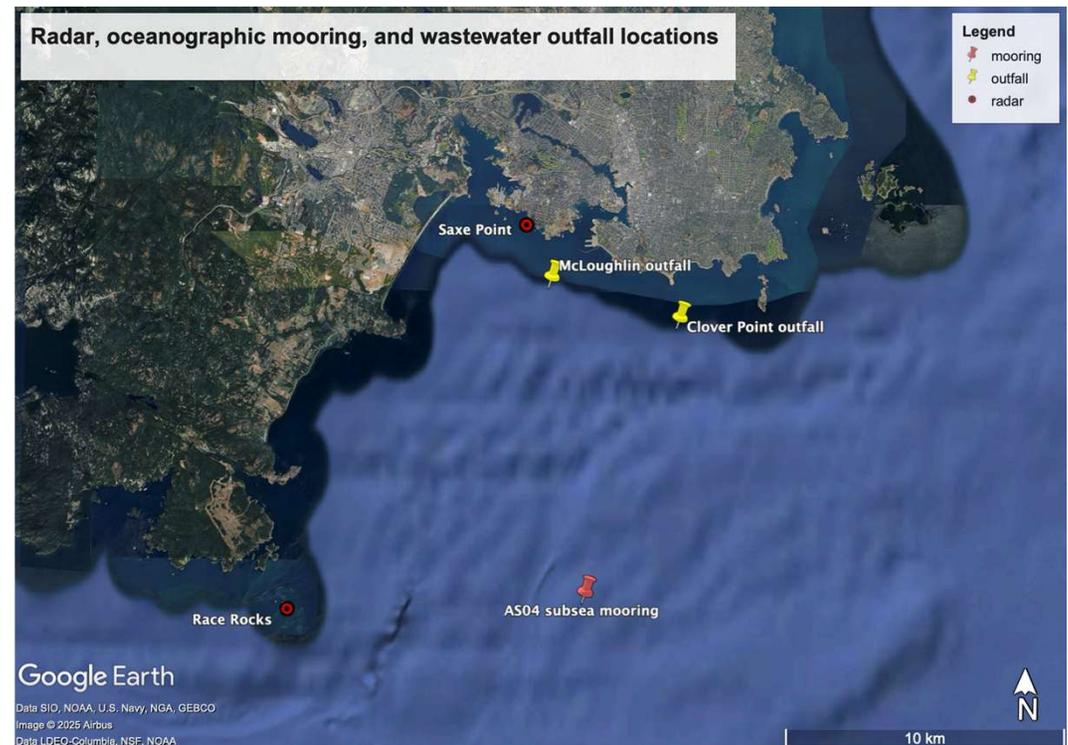
Ocean-current measurements are available only in the area in which the coverage from two or more radars overlaps.

The addition of a third radar would extend ONC's current-measurement coverage to the area south of Esquimalt.



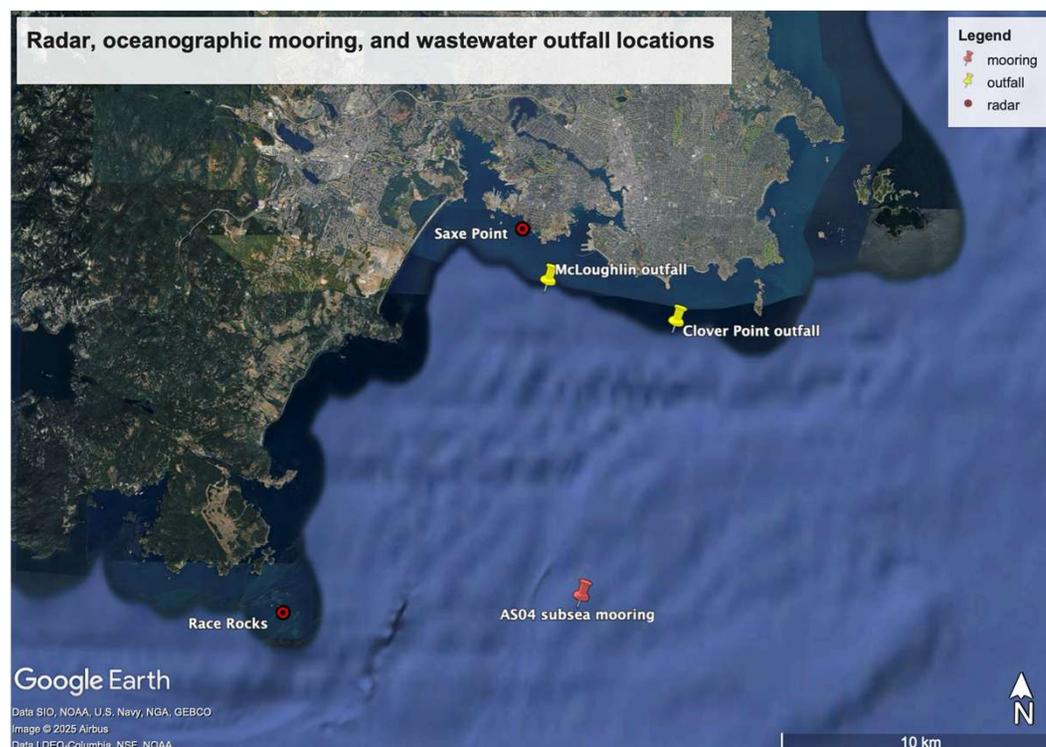
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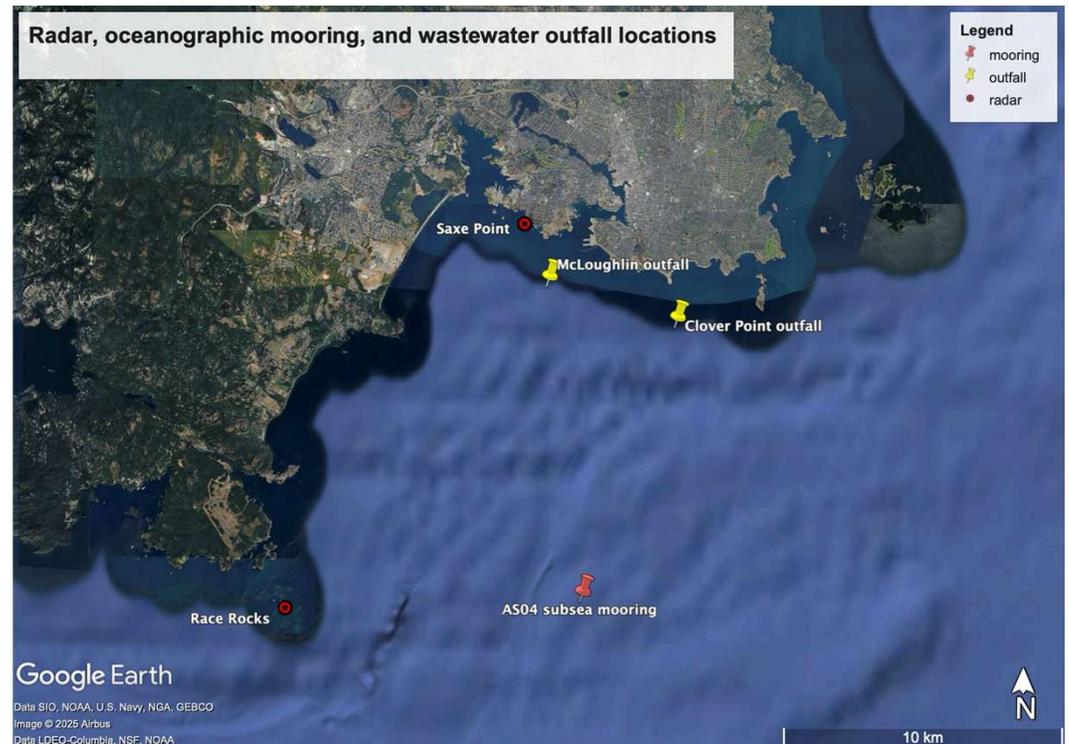
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- **Environmental:** *Potential* for use in tracking oil spills.



The antenna

An oceanographic radar antenna is about 10 metres high (31 feet) and has a footprint of only about 30 cm x 30 cm.

This photograph shows ONC's radar at Georgina Point on Mayne Island, in the Gulf Islands National Park Reserve, where it provides ocean-current measurements in the Strait of Georgia.



The electronics

The radar electronics at Georgina Point are pictured here.

A smaller rack could be used to make the installation more compact if space is tight.

Electrical consumption is expected to be on the order of \$400-\$500 per year.



Proposed installation at Saxe Point Park



Electronics to be housed in gardeners' shed



Proposed antenna location



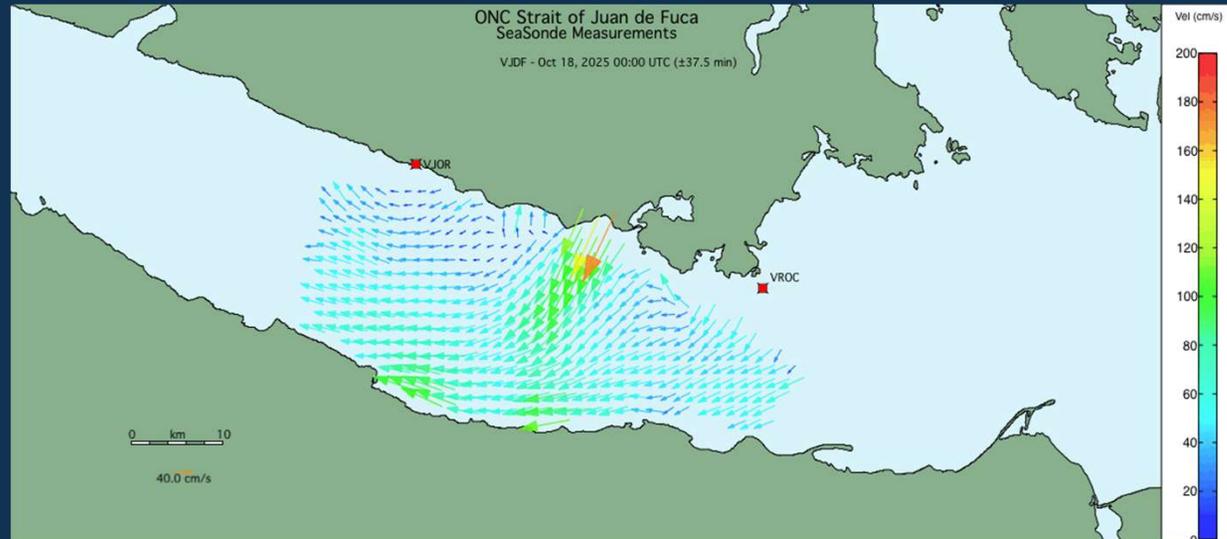
On or beside the rock shown here.

View from parking lot



Approximate antenna appearance and conduit path shown.

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Thank you

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