**From:** ███████████████████████████████████████████

**Sent:** Sunday, April 20, 2025 6:11 PM

**To:** Saturna Island Local Trust Committee <SaturnaIslandLocalTrustCommittee@islandstrust.bc.ca>

**Cc:** ███████████████████████████

**Subject:** Draft Bylaw 143 - Comment For The Public Record

Dear Trustees,

While I'm in support of a requirement for cisterns for new construction in areas of potential saltwater intrusion I don't agree with a blanket requirement over the whole of Saturna.   Large areas of our island have access to productive aquifers so the requirement is unnecessary and a waste.  Other areas have their own well managed community water supply and are best positioned to determine the need for cisterns.

Firstly the storage requirement doesn't map to the tankage size commonly available in the Pacific NW.  The East Point bylaw called for two tanks - each 2400 **US** gallons to total 18,000 litres – this is an easily available tank size.   Draft bylaw 143 calls for 4800 **Imperial** gallons or 21820 litres which doesn't map to commonly used tank sizes.  The end result would likely force the use of 3 tanks.

The cistern requirement represents a significant cost and environmental burden.  Justified for an area of potential saltwater intrusion but not otherwise.  Two 2400 US Gallon tanks equals roughly 500 kg of roto-molded plastic.  Production of the plastic, thermoforming into tanks and transportation have a significant carbon footprint.  The cost is quite a burden – particularly if the tankage is (hopefully) to be used to supply domestic potable water and a filtration/pumping skid is required.  The tanks alone cost around $4k each including taxes.  There is also the cost of getting them to Saturna and the requirement for site preparation.  The tanks have quite a large footprint which can be an issue for small cluttered properties.

Finally expanding the requirement to a building addition greater than 125 ft2 doesn't always make sense – a bedroom addition would likely expand water usage but otherwise not.

David Paton

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Saturna Island.