Qualicum Beach waterfront planning concepts November 2016

The waterfront planning process should only consider options that ensure the works and expenses are not washed away or damaged in the future. Any waterfront improvements either have to be protected from, or resilient too, the ravages of the sea.

The following concepts address several aspects of planning a revitalised waterfront. Important aspects that are addressed include:

- Reducing shoreline damage with offshore sea defence
- 2. Eliminating the risk of damage or destruction, to some waterfront properties
- 3. Creating a continuous waterfront parkway with unobstructed views
- 4. Enhancing ecological marine and terrestrial biodiversity
- 5. Extending parkland, beaches and recreational opportunities
- 6. Reduced risk of substantial bank collapse on the 40 meter embankment on the south side of Highway 19 below Crescent Road West



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Pictures of the damage to waterfront properties caused by the sea



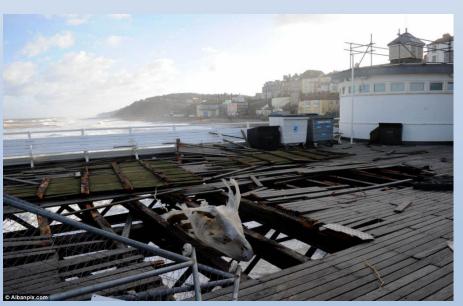


Properties or land situated directly on the waterfront and less than 4 meters above high tide level can be subject to severe damage.

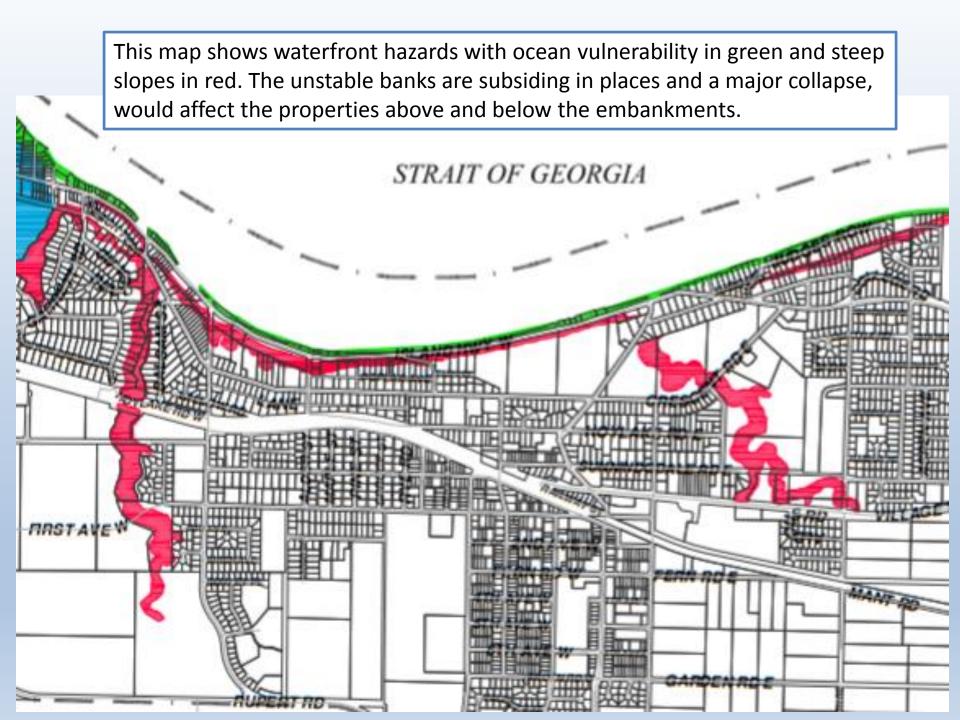




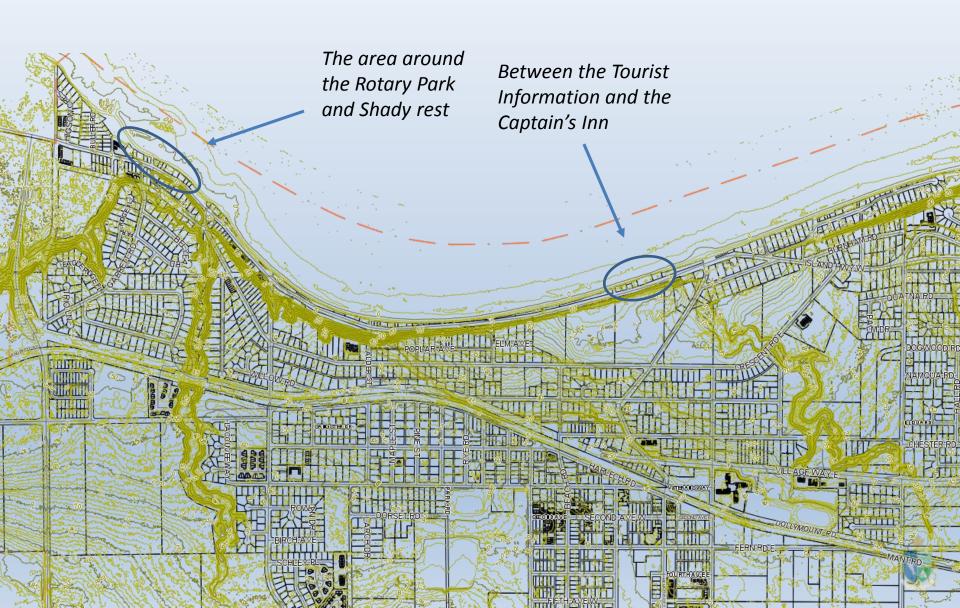




Shoreline damage could occur in Qualicum Beach with storm surge, tsunami or earthquake



Qualicum Beach waterfront issues affecting the private properties on the side of Highway 19



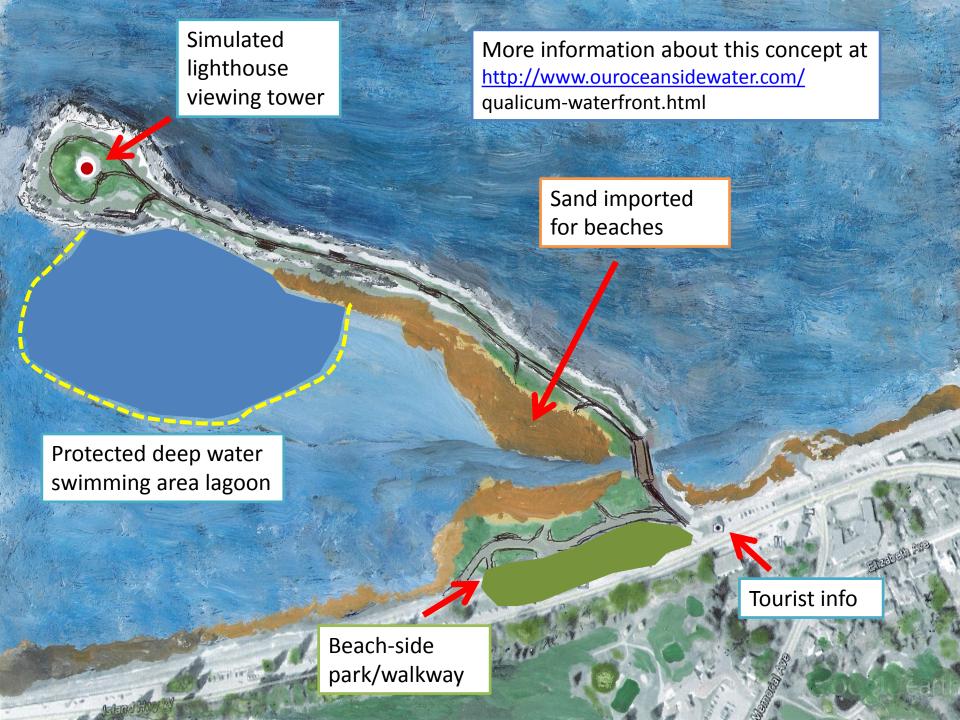
The concept suggestion is to move or replace the buildings on the seaward side of the highway and relocate them to the south side of the roadway.

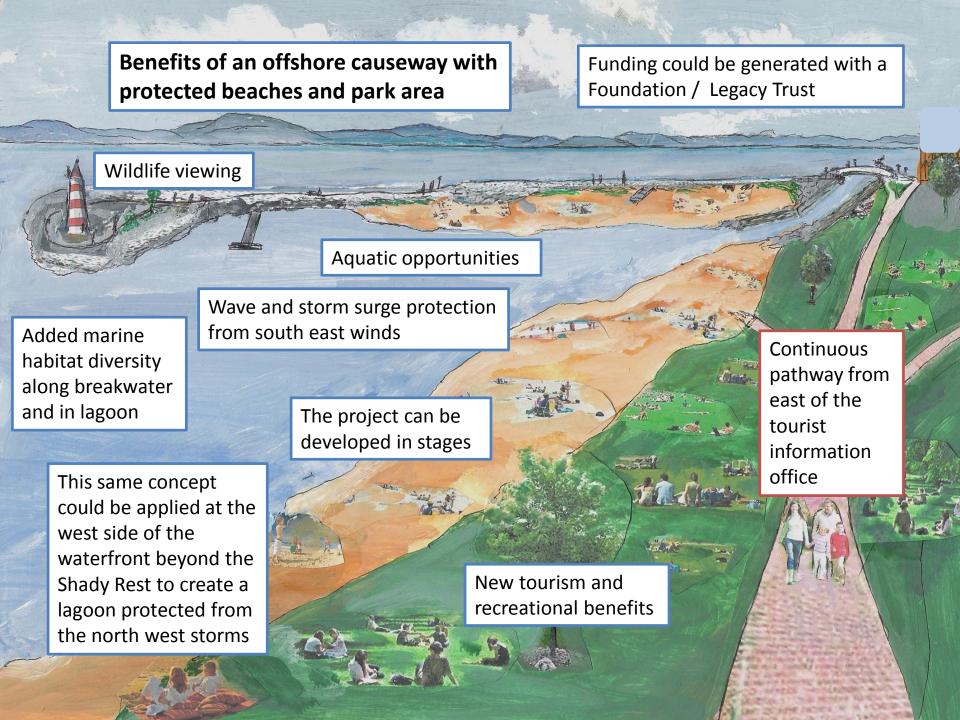


In the 1st example the two hotels, restaurant and houses would be relocated and next to the golf course and elevated above a single story parkade



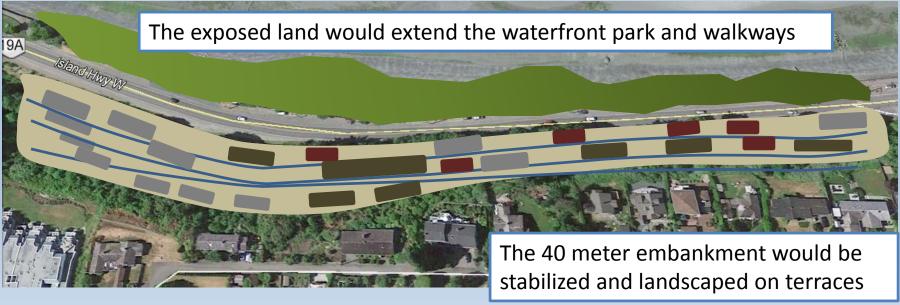






In example 2, the homes and buildings on the seaward side of 19A are removed

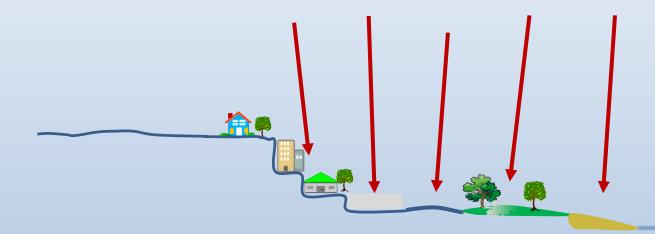




Over a twenty year period the waterfront would be resistant to sea level rise and storm damage. The shoreline would offer a wide variety of topography and ecological diversity. The steep bank would be stabilized and become a valuable residential and commercial opportunity. A continuous waterfront walkway would extend for almost two kilometers.

The waterfront and terraced embankment provide locations for entertainment and cultural venues

This schematic shows the cross section of a part of the embankment showing terraces, parkade, roadway, park and beach



The dwellings and other building moved or rebuilt on the other side of the road would potentially have more land and a stunning view with covered parking and no risk of sea impact

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