December 2016

Sea Level change in the Gulf Islands National Park Reserve, southern British Columbia: implications for the interpretation of nearshore archaeological features

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Sea level along the BC coastline has changed dramatically over the past 10,000 years due to isostatic rebound following deglaciation from the Fraser Glaciation (Clague & James, 2002). In the future, sea levels globally are also predicted to rise according to the Intergovernmental Panel on Climate Change (IPCC) (2014), due to climate change. Lemmen et al. (2008) suggest that in the near future some B.C. coastal communities will have to deal with changes in shorelines due to rising sea levels, and hence erosional patterns, modifications to ecosystems and habitats, and potentially an altered marine food supply. This thesis examines local paleo-sea level curves for the BC coast and the Southern Gulf Islands constructed from a literature search, GIS analysis, and archaeological data from clam gardens. 

Sea level curves
Local paleo-sea level curves for coastal British Columbia were compiled from the literature.