Potential Impact Areas Of Sea Level Rise By The Year 2100 In British Columbia

Province of British Columbia
Ministry of Forests, Lands and Natural Resource Operations

Legend

Potential Year 2100 Coastal Floodplain Areas in British Columbia

High Flood Risk

Low Flood Risk

Notes:
The map displays potential year 2100 coastal floodplain areas based on approximate flood construction levels (FCLs), incorporating sea level rise. The floodplain areas have not been ground proven, verified or studied to confirm their exact location. The intent of the map is to only highlight areas that may benefit from development of coastal floodplain maps.

FCLs were developed through a high-level analysis, considering coastal region and type (open, sheltered, semi-enclosed or semi-protected). A nominal allowance has been made for wave effect; the actual wave effect may differ greatly from the allowance depending on the location. In addition, the presence (or absence) of dike or other flood protection works has not been factored into the analysis. Floodplain areas shown do not include the effects of flooding from rivers or the combination of river flooding and sea level rise. Additional comprehensive site investigations, data collection and coastal engineering analysis is required to establish the actual year 2100 FCL at any given location. Users should refer to the report “Coastal Floodplain Mapping Guidelines and Specifications” prepared by Kerr Wood Leidal Associates for the Ministry of Forests, Lands and Natural Resource Operations in 2011 for more guidance on development of coastal floodplain maps.

Copyright Notice:
These materials are copyright of Kerr Wood Leidal Associates Ltd. (KWL). Ministry of Forests, Lands and Natural Resource Operations is permitted to reproduce the materials for archiving and for distribution to third parties only as required to conduct business specifically relating to the Coastal Flood Hazard Map Project. Any other use of these materials without the written permission of KWL is prohibited.

April 2012
1:250,000

Reference:
Background provided by ESRI Topographic web mapping service.