Potential Year 2100 Coastal Floodplain Areas in British Columbia

Legend

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. Floodplain areas have not been ground proofed, 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 dikes or other flood protection works was not factored into the analysis. Floodplain areas shown do not include the effects of flooding from rivers or river-floodplain interactions.

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 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.

Reference: Background provided by ESRI Topographic web mapping service.