



Name	Coastal Dykelands in the Tantramar Area: Impacts of Climate Change on Dyke Erosion and Flood Risk (2011)
Description	This report set out to model vulnerable sections of the Tantramar dykes using information obtained by remote sensing and ground survey; and to assess the infrastructure at risk in the Tantramar region due to climate-induced sea-level rise. Flood highwater marks were mapped using recent estimates calculated as part of a regional climate change adaptation initiative. The average height of the dykes in the Tantramar region is 8.6 m, which is lower than even the least severe prediction based on the current 1:10 year sea-level estimate of 8.9 ± 0.1 m. Transportation infrastructure is also affected under this scenario. The report identifies sections of dyke exhibiting unusually high levels of erosion, and present maps and empirical evidence confirming that vegetated sections further from the Bay of Fundy (and its tidal water courses) are less vulnerable.
Type	
Sector	- Public Health and Safety - Infrastructure
Focus Area	- Coasts and Climate Resilience (including sea-level rise)
Region	
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