



NExUS Needs Assessments Sat Nov 17 16:42:57 EST 2018

Need	Determine better means of deciding dike height that balance value of land and infrastructure with degree of risk communities are willing to assume
Description	The report cites the following needs: - Conduct a cost benefit analysis for marshbodies identified by Browning, 2011 as containing significant infrastructure using the methodology of van Alphen (2012) to balance the value of the land protected and cost of required infrastructure as well as degree of risk that the communities are willing to assume - Develop a differential determination of critical elevation incorporating sea level rise and storm surge for dykes protecting valuable infrastructure similar to Pilarczyk, 1998.
Focus Area	- Coasts and Climate Resilience (including sea-level rise)
Discipline	- Climate Society Interactions
Sector	- Infrastructure
Source	Best Management Practices for Climate Change Adaptation in Dykelands: Recommendations for Fundy ACAS sites September 2012