

Extract from:

Environmental Values Policy Toolkit

A component of the Regional Framework for Nature-based Solutions on BC's South Coast

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The Action for Adaptation website supports policy and land use planning for local governments and First Nations in southwest BC.

The project is a collaborative effort by the Coastal Douglas-fir Conservation Partnership (CDFCP), UBC Botanical Gardens to produce an online biodiversity atlas and climate adaptation tools that will provide First Nations, local governments and land managers with the resources that they have indicated they need to make informed decisions related to biodiversity in a changing climate.



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Appendix E – Example actions/policies for local government climate strategies

Theme	Strategy statement	Adapted from	Indicators / targets
Multi-theme	Stewardship tools will be developed for private land owners to adapt to and mitigate climate change by expanding on existing programs, such as Naturescaping, recommended plant lists, and invasive species management.	District of Saanich Climate Plan pg 79.	
	Urban forests will be protected and expanded in the long term through measures such as: <ul style="list-style-type: none"> • establishing / updating canopy cover measurement • creating a tree inventory • strengthening protections for existing trees on private and public lands • developing an Urban Forest Reserve Fund dedicated to enhancing the urban forest through such actions as planting trees and acquiring lands specifically for tree planting. 	District of Saanich Climate Plan pg 79.	
	Develop / implement a Biodiversity Conservation Strategy to provide direction and strategies to increase ecosystem resilience and reduce impacts to biodiversity from climate change.	District of Saanich Climate Plan pg 79.	
	Natural areas will be expanded, connected and restored through a variety of strategies that will ensure their permanent protection and management to maximize ecosystem services and resilience, biodiversity and carbon sequestration potential.	District of Saanich Climate Plan pg 80.	Carbon sequestration increases by # through land protection and restoration.
	Determine the value of natural assets to services (e.g., storm-water management, pollination services, clean air, infrastructure cooling) and include in asset management and services planning.	District of Saanich Climate Plan pg 80.	
	Develop a land acquisition and protection strategy to support delivery of key goals and services required for climate mitigation and adaptation (e.g., sequestration, drainage, flooding, biodiversity).	District of Saanich Climate Plan pg 80.	
	Plant climate-resilient tree species.	City of Nanaimo Climate Change Resilience Strategy pg 23.	## climate appropriate trees planted by [date]
	Develop and complete an urban forest inventory and establish / update the Urban Forest Management Strategy using future climate projections.	City of Nanaimo Climate Change Resilience Strategy pg 23.	

	Conduct park condition assessments in all parks and adaptation measures developed to address climate impact risks (e.g. drought stress, heat events, wildfire smoke, storm damage, flooding).	City of Nanaimo Climate Change Resilience Strategy pg 23.	
	Develop a climate adaptation assessment checklist for rezoning and development permits.	City of Nanaimo Climate Change Resilience Strategy pg 29.	
First Nations	Work with neighbouring First Nations to support climate adaptation initiatives that conserve and enhance habitat and protect property within the watershed.	City of Nanaimo Climate Change Resilience Strategy pg 33.	
	Work with local First Nations to conduct mapping and socio-cultural and ecological impact assessments of climate change on traditional food systems and undertake habitat restoration	City of Colwood Climate Change Adaptation Strategies pp 27 & 28.	Emissions reductions associated with habitat restoration.
Land cover & land use	Work with partners to explore carbon dioxide removal measures, such as restoration of coastal ecosystems and afforestation of non-forested areas.	District of Saanich Climate Plan pg 80.	
	Create / update Hazard Land and Steep Slope Development Permit Area Guidelines in the OCP and other pertinent bylaws to require geotechnical reports for new construction in areas at high risk of flooding and landslides.	City of Nanaimo Climate Change Resilience Strategy pg 29.	
	Apply a climate adaptation lens to the natural hazard, steep slope and environmentally sensitive DPAs during the OCP refresh.	City of Nanaimo Climate Change Resilience Strategy pg 29.	
	Identify hazardous lands and properties at risk from coastal flooding, sea level rise and landslide risk, and advocate to the province for support in purchasing these lands as part of the City's long-term property management strategy.	City of Nanaimo Climate Change Resilience Strategy pg 30.	
	Increase the proportion of native ecosystems in parks and open spaces system and restore native ecosystem areas that are currently degraded.	City of Colwood Climate Change Adaptation Strategies pg 29.	Natural and restored ecosystems provide more ecosystem services such as water filtration and absorption, carbon sequestration/storage, biodiversity, and soil stabilization.
	Prepare for the impacts of rising sea level and associated erosion and coastal flood risk. Develop a green shores strategy to help protect waterfront	City of Nanaimo Climate Change	

Hydroriparian (including marine)	lands from flooding risk, while also protecting and restoring habitats.	Resilience Strategy pg 21	
	Enhance watershed storage and impoundment to build resilience for urban streams within catchment areas for fish habitat use during low summer flows.	City of Nanaimo Climate Change Resilience Strategy pg 24.	
	Design and install green infrastructure (e.g. bioswales, bio-ponds, retention tanks) that will improve water quality and potentially provide low summer flow into fish bearing streams	City of Nanaimo Climate Change Resilience Strategy pg 24.	
	Coordinate with the RDN to complete a detailed watercourse habitat health assessment for urban watercourses within the city, including biodiversity maintenance and invasive species control targets.	City of Nanaimo Climate Change Resilience Strategy pg 24.	
	Develop a sea level rise DPA with guidelines for new development/renovation and infrastructure placement in areas at risk of coastal flooding up to 2100.	City of Nanaimo Climate Change Resilience Strategy pg 29.	DPA's adopted and guidelines for areas at coastal risk completed (% or #)
Ecosystem connectivity	Use mapping tools to identify currently protected areas, sensitive ecosystems, biodiversity hotspots, SAR habitat, and locations to implement corridors for habitat connectivity. Identify network linkages to promote habitat connectivity.	City of Colwood Climate Change Adaptation Strategies pg 33.	
Nature-based solutions to climate change	Grow the urban forest by planting ##### new trees of diverse species by 20## and increase its resilience to a changing climate through suitable tree selection and management practices.	District of Saanich Climate Plan pg 79.	