

# GRADUATE STUDENT INTERNSHIP / CO-OP PROJECT FORM

<b>PROJECT</b>	TITLE:	An analysis of shoreline habitat protection measures in the Canadian portion of the Salish Sea		
	LOCATION:	Victoria, BC preferred (some flexibility possible for remote work)		
	TERM:	Spring/Summer	FROM: May	TO: July
<b>PROJECT SPONSOR</b>	NAME:	Hussein Alidina	TITLE:	Lead, Oceans Conservation
	ORGANIZATION:	WWF-Canada	BRANCH / SECTION:	BC/Pacific Coast
	ADDRESS:	1588 – 409 Granville Street, Vancouver, BC, V6C 1T2 (NOTE: our offices will be re-locating to Victoria this year)		
	EMAIL:	<a href="mailto:halidina@wwfcanada.org">halidina@wwfcanada.org</a> (also please copy applications to Rachel Wang - <a href="mailto:rwang@wwfcanada.org">rwang@wwfcanada.org</a> )		
	PHONE:	778-229-6944	FAX:	
<b>TOPIC OR RESEARCH QUESTION:</b> <small>(Briefly describe the research question being addressed through this project)</small>	Topic: Measures being used to protect coastal shoreline habitat in the Canadian portion of the Salish Sea under local/municipal, provincial, federal or First Nations authority, and through other non-regulatory initiatives.			
<b>KEYWORDS:</b> <small>(List key words to describe the field of study and project)</small>	Shoreline habitat, coastal habitat, Salish Sea, beach protection			
<b>PROJECT DESCRIPTION &amp; RELEVANCE:</b> <small>(Provide an overview of the context for the internship and why it is important. Describe the project, its tangible, intended outcomes and the role of the student.)</small>	<p><b>Overview:</b> The waters and lands adjacent to the Salish Sea are among the most highly used and populated areas of coastal BC. The Salish Sea exhibits a range of biodiversity values and associated ecosystem services of both direct and indirect importance to coastal populations. Despite their importance, many indicators of ecological health and well being of the Salish Sea show downward trends. The differing forms of coastal and shoreline habitats are among this milieu of biodiversity and ecological complexity of the Salish Sea. They provide nursery, rearing and spawning area for many marine species and are key to the survival of many anadromous species. As human population and urban development pressures have grown around the Salish Sea, there have been a variety of formal and informal efforts to protect the ecological integrity of shoreline habitats or offer protection for other cultural and social values. Shoreline protection efforts range from formal regulations like the Shoreline Management Act in WA state to various municipal and local government ordinances as seen in BC to miscellaneous voluntary initiatives and best practice guidance related to shoreline development.</p> <p><b>Project Details:</b> This proposed work seeks to better understand and assess (where possible) the measures protecting shoreline habitats and/or their associated species around the Canadian portion of the Salish Sea by various levels of governments and authority. This work will help WWF gain an internal understanding of existing measures and potentially the gaps that need to be addressed by either policy or management. In particular, WWF-Canada has been exploring habitat protection gaps and options for nearshore dependent forage fishes such as smelts and sandlance. While there are multiple ecological values and species associated with shoreline habitats, shoreline protection measures designed for any one of these values may or may not offer protection to all these ecological values.</p> <p>The successful intern will undertake research and compile information on existing shoreline protection measures at multiple jurisdictional scales. This will involve compiling information from Canadian local government, and provincial and federal agencies through a variety of methods. He/She will, (i) summarize the information in a report and visual presentations, and (ii) conduct basic analysis and/or comparative analysis of management and policy gaps.</p>			
<b>Funding Requested from BRITE</b>	AMOUNT: 6,000			
<b>AVAILABLE FUNDING (to match BRITE funding):</b>	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		IF YES, THEN LIST AMOUNT:	4,000
<b>PROJECT TYPE (Check the relevant type(s) of work to be undertaken for this internship / co-op project)</b>				
<input type="checkbox"/>	FIELD WORK	<input type="checkbox"/>	GIS ANALYSIS (potentially if the student has the skills and interest)	
<input type="checkbox"/>	RESEARCH PROPOSAL DEVELOPMENT	<input checked="" type="checkbox"/>	POLICY ANALYSIS	
<input checked="" type="checkbox"/>	LITERATURE REVIEW	<input type="checkbox"/>	SURVEY DESIGN	
<input checked="" type="checkbox"/>	SHORT STUDY / ASSESSMENT	<input type="checkbox"/>	MODEL DEVELOPMENT (research prioritization framework)	
<input type="checkbox"/>	DATA COLLECTION	<input checked="" type="checkbox"/>	OTHER please describe: Development of visuals/infographics reporting findings	
<input type="checkbox"/>	DATA / STATISTICAL ANALYSIS			
<b>EXPECTED DELIVERABLES:</b> <small>(Summarize the intended project deliverables, e.g., research report, data analyzed, and presented in a spreadsheet format, etc.)</small>	<p style="text-align: center;"><b>Project summary report of findings and policy gap analysis</b></p> <p style="text-align: center;"><b>Visuals of findings - Presentation deck, other visuals and/or infographics</b></p>			