GRADUATE STUDENT INTERNSHIP / CO-OP PROJECT FORM

	TITLE:	Addition of Wetland and Riparian Ecological Values to a Relative Ecological Assessment of Conservation Land in British Columbia					
PROJECT	LOCATION:	North Vancouver					
	TERM:	3 months starting in Spring 2017	FR	ROM: Flexible	M: Flexible		TO: Flexible
PROJECT SPONSOR	NAME:	Leanna Warman	Tľ	TLE:	Ecosystem Specialist		
	ORGANIZATION:	The Nature Trust of British Columbia	BF	RANCH / SECTION:			
	ADDRESS:	260 – 1000 Roosevelt Crescent, North Vance	ouver, BC, V	V7P 3R4			
	EMAIL:	lwarman@naturetrust.bc.ca					
	PHONE:	604-969-3246	FA	X: 604-924-9772			
TOPIC OR RESEARCH QUESTION: (Briefly describe the research question being addressed through this project) KEYWORDS: (List key words to describe the field of study and project) PROJECT DESCTIPTION & RELEVANCE: (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.)		The Nature Trust of British Columbia has developed an automated GIS tool to aid in identifying the most ecologically significant lands for conservation in the province using available province-wide data layers. To increase the usefulness of this evaluation, The Nature Trust of BC would like to add ecological values of province as a whole, The Nature Trust of BC proposes to review existing methods used for regional wetland and riparian ecological evaluation and develop a procedure for assessing the ecological value of spatially mapped wetland and riparian features at a provincial scale. wetlands, riparian, GIS, conservation prioritization Overview: The Nature Trust of British Columbia is a leading land conservation organization in BC. Since 1971 we have dedicated our efforts to securing and managing ecologically significant land. The Nature Trust of British Columbia receives requests for acquiring potential properties throughout the province. The Relative Ecological Value of properties to assess the relative ecological value of potential acquisitions and compare them to our existing portfolio of properties to help determine the priorities for securement of other properties. Project Details: The Nature Trust of British Columbia has developed a GIS assessment of potential acquisitions using available data layers for the province. However, the assessment tor eview existing methodology for evaluating conservation value of riparian and wetland features. We would like a student to review existing methodology for evaluating conservation value of riparian and wetland features whowledge related to assessing conservation or ecological value. Some ArcGIS training will be provided, as necessary. However, this is not an essential skill, as the feature database can be used to develop a method loagy or riparian and wetland features will be based on spatial data, it would be helpful if the student has GIS subsection the GIS layers. Some ArcGIS training will be provided, as necessary. However, this is not an essential					
Funding Re	equested from BRITE	AMOUNT: \$6000					
AVAILABLE FUNDING (to match BRITE funding):				IF YES, THEN LIST AMOUNT:		\$5000	
PROJECT TYPE (Check the relevant type(s) of work to be undertaken for this internship / co-op project)							
	FIELD WORK		\boxtimes	GIS ANALYSIS (po	GIS ANALYSIS (potentially if the student has the skills and interest)		
RESEARCH PROPOSAL DE		. DEVELOPMENT		POLICY ANALYSIS	POLICY ANALYSIS		
LITERATURE REVIEW				SURVEY DESIGN	SURVEY DESIGN		
SHORT STUDY / ASSESSMENT		SSMENT	\boxtimes	MODEL DEVELOP	MODEL DEVELOPMENT (research prioritization framework)		
DATA COLLECTION			OTHER please describe: review and collate spatial data and methods used to identify ecological value of				
		ALYSIS riparian and wetland attributes					
EXPECTED DELIVERABLES: (Summarize the intended project deliverables, e.g., research report, data analyzed, and presented in a spreadsheet format, etc.)		GIS layer of riparian features and ecological values for the province. GIS layer of wetland features and ecological values for the province. Report describing methods used to develop the layers, including the procedure(s) for assigning ecological value.					