

## Advanced Diploma in GIS Applications Practicum Opportunity Summary

Project	Title:	Ecological Accounting Process Partnership				
	Organisation:	Mount Arrowsmith Biosphere Region Research Institute (MABRRI)				
	Location:	Nanaimo, BC				
Sponsor	Name:	Ariel Verhoeks	Title:	GIS Specialist		
	Email:	Ariel.Verhoeks@viu.ca	Phone:	(250) 753-3245 local 2802		
Project Overview	collaboration of a multi-year (2 forward, the E government paresearch methors process involved using these are value provides systems, and a second year are governments: District of National Process in the E collaboration of the	the Ecological Accounting Process (EAP) Partnership project aims to initiate inter-governmental oblaboration to operationalize EAP within local government processes. This project has followed multi-year (2016-2022) program to test and refine the EAP methodology and metrics. Going property of the EAP Partnership project is to begin mainstream integration, beginning with local overnment partners. As an overview, EAP provides metrics through a collaborative and applied search method approach that enable communities to appreciate the worth of natural assets. This process involves examining a stream or water system and its abutting and adjacent parcels and sing these areas to calculate the dollar value of the land occupied by the natural commons. This halue provides a basis for budgeting maintenance, management, and enhancement of riparian restems, and also assists with calculating riparian deficits. Alongside VIU, this project is in its excond year and is being undertaken with the following partner organizations and local overnments: The Partnership for Water Sustainability in BC, the City of Nanaimo, the Regional istrict of Nanaimo, and the Municipality of North Cowichan. For each local government partner series of EAP analyses will be completed as part of a three-year project.				
Task Summary	A GIS intern is required to assist with the following components of Year 2 of the EAP project:					
(Types of work involved)	For each stread determine the collecting part of the purpose of the parcel falls.  Component 2  Depending on potential to constudying additional extent of the impervious and ground truth be additional Constant of the const	and final reports;				
	<ul> <li>Attending meetings with the project partners (in-person and online); and</li> <li>Site visits to the study areas (transportation provided by MABRRI).</li> </ul>					

Additional Information  (Appealing Aspects)	This is a great opportunity for the GIS intern to apply their skills and knowledge to a local and regional initiative assisting with calculating values to be used for the maintenance and management of natural assets and calculating riparian deficits. The intern will be able to improve their GIS expertise and learn valuable information suitable for the workforce, in addition to gaining experience working in a research-based office. The intern will also have the opportunity to work with various partner organizations and local governments during the duration of the project.				
Funding	None	☐ Minor (< \$3,000)	Major (>\$3,000)		
	One Time Payment of \$3,000 for practicum completion.				
Workplace	Off-site	Full-Time On-Site	Other/Mixture		
	Description (if Other): MABRRI's office is located in Building 305, Room 442 and will have desk space for the practicum student. There is potential for some work days to be completed remotely depending on in-person meeting and work session scheduling, but the majority of work will be completed on campus or in the field.				
Student Selection	☐ Faculty Selection	(Student with highest grades selected from	n among those interested)		
	Shared Selection	Shared Selection (Faculty and Sponsor make selection based on discussion of interested students)			
	☐ Sponsor Competition	(Sponsor interviews, in-person or via telep	phone, and selects from interested students)		

For assistance or further information, please contact:

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