

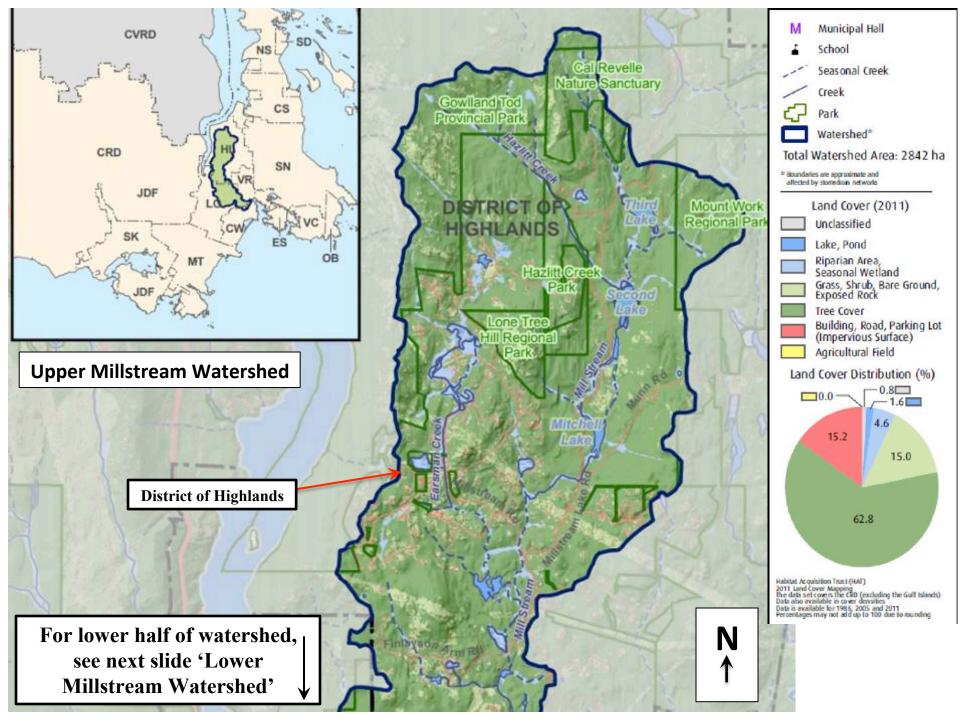
Executive Summary

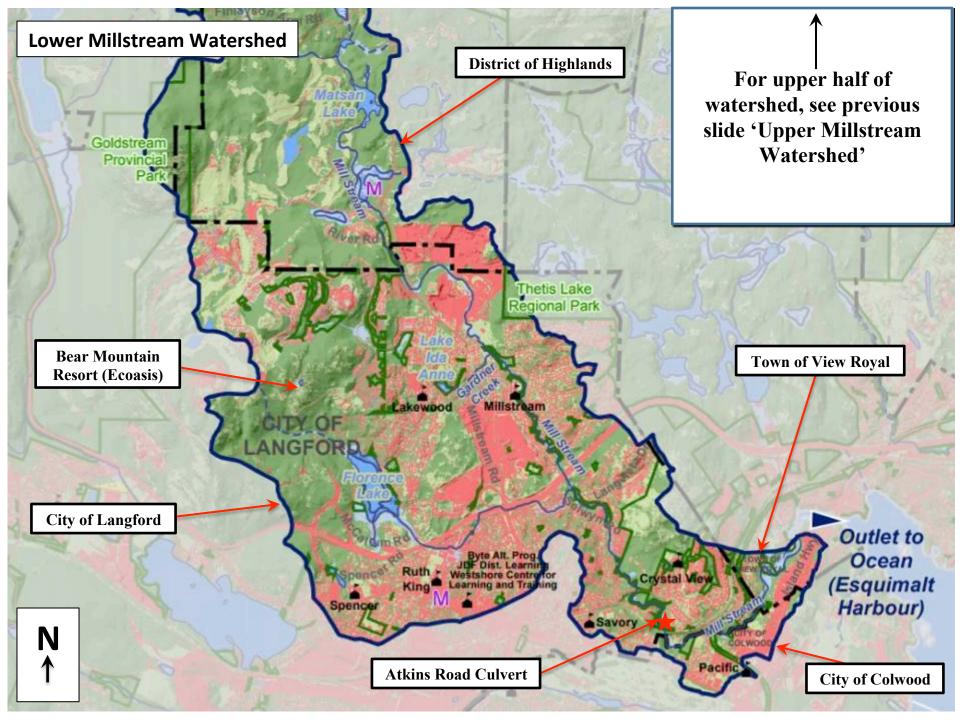
Currently fish passage is blocked by the presence of a 4 metre high 'perched' culvert located on Millstream Creek at Atkins Road. If fish were able to ascend past this culvert, an additional 8+ kilometers of fish habitat would be available to them. Constructing a fishway would allow fish a means to pass Atkins Road and access this habitat indefinitely. Multiple groups including the Goldstream Volunteer Salmon Enhancement Society (GVSEA) volunteers, the City of Langford, the Town of View Royal, the City of Colwood and many others have spent over 20 years improving fish access upstream from tidewater to Atkins Road with 2016 returns of 700+ coho adults. If the fish can ascend past Atkins Road, an additional 8+ kilometers of fish habitat will be available to them for spawning and rearing areas for their offspring.

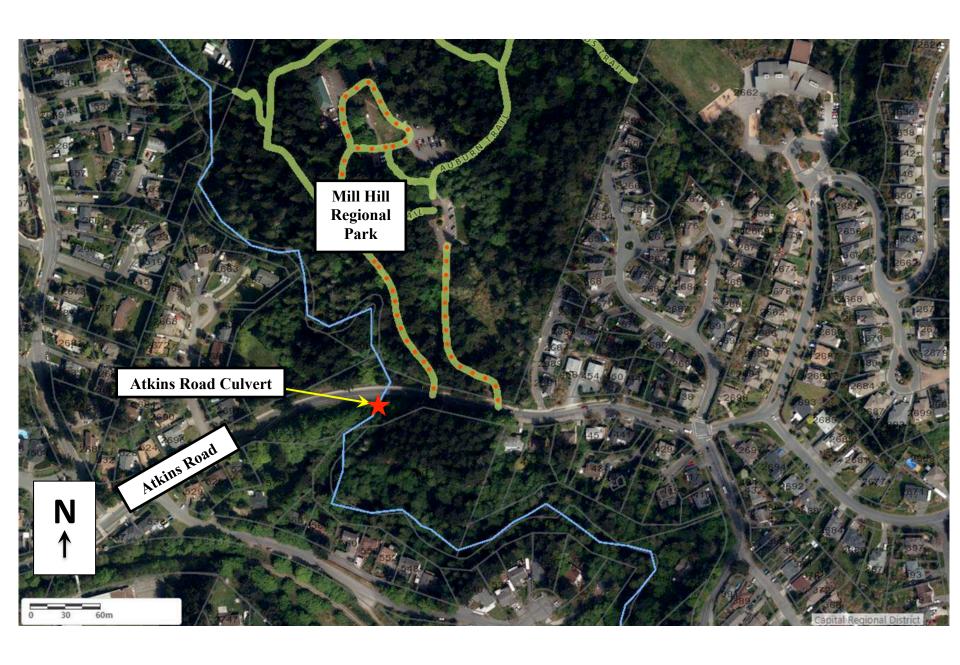
Project Description:

The Millstream Watershed consists of all the land that drains into Millstream Creek, which subsequently flows into Esquimalt Harbour, near the city of Victoria B.C. A large portion of the watershed is located along the eastern flanks of the Gowlland-Tod Range in the Highlands, and also includes urbanized areas in Langford and Colwood.

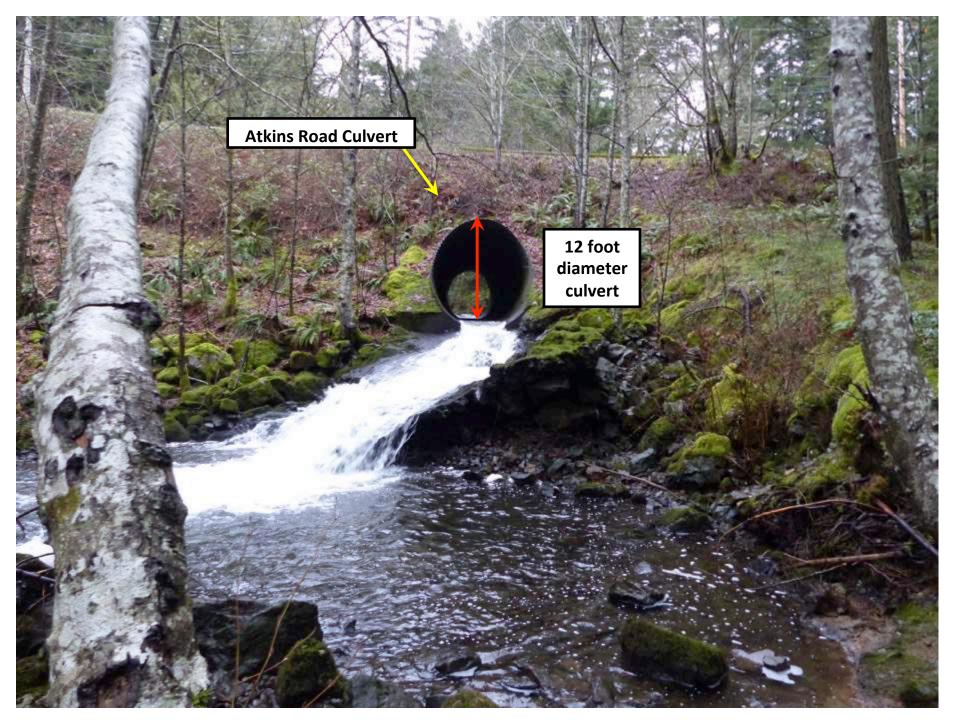
The 2017-18 phase of the project will involve engineering study and design, as well as partnership development. PSS has 15+ years' experience in assembling partnerships and sees this as a 'natural' with multiple 'wins'. This partnership would potentially include the City of Langford, the City of Colwood, the District of Highlands, the Town of View Royal, CRD Parks, Ministry of Transportation and Infrastructure, the Pacific Salmon Foundation, GVSEA, Victoria Fish and Game Association and other volunteer groups. We expect that we will help start new Streamkeepers groups with direct interest in the salmon that will be spawning in people's backyards. As well, private companies such as Ecoasis Developments and others are invited to participate in the project as sponsors and as a source of volunteers. Activities involved in the 2017-18 phase include a background data review, a hydrologic assessment, a hydraulic assessment, a topographic survey, a culvert conditions assessment, fishway concept development and design selection. The construction of the fishway is scheduled for 2018-19.













2017 – 2018 PROPOSED PROJECT SUPPORT – DESIGN PHASE: Minimum \$40,000 matching funds raised by OCTOBER 1, 2017

Proposed Project Support for 2017-18					
Organization Name	cash	\$ value of in-kind support	\$ Total	(C)onfirmed, (P)otential	
Town of View Royal	2,500	1,400	3,900	Р	in-kind estimate: 20 staff hrs @ \$70/hr
City of Langford	10,000	1,400			in-kind estimate: 20 staff hrs @ \$70/hr
City of Colwood	4,000	1,400	5,400	Р	in-kind estimate: 20 staff hrs @ \$70/hr
District of Highlands	2,000	1,400	3,400	Р	in-kind estimate: 20 staff hrs @ \$70/hr
CRD Parks	3,000	3,000	6,000	Р	
Pacific Salmon Foundation	0		0	С	don't fund design work
Private Business - Ecoasis, others	10,000		10,000	С	
Victoria Fish and Game Protective Association	5,000		5,000	С	
Goldstream Volunteer Salmon Enhancement Association	5,000	1,000	6,000	С	
Province of BC - Ministry of Transportation and Infrastructure	5,000		5,000	Р	
Province of BC - Other*			0	Р	
DFO Recreational Fisheries Conservation Partnerships Program (RFCPP)	40,000		40,000	С	contingent on matching funds
Total	86,500	9,600	96,100		
* new programs? Reestablish fish and wildlife pro	<u> </u> grams (forme	<u> </u> r NDP gove	rnment)		

2018 – 2019 PROPOSED PROJECT SUPPORT – CONSTRUCTION PHASE: Minimum \$205,000 matching funds raised by MARCH 31, 2018.

cash	in-kind		· ,	
5,000	1,400	6,400	P	in-kind estimate: 20 staff hrs @ \$70/hr
25,000	7,000	32,000	Р	
10,000	1,400	11,400	Р	in-kind estimate: 20 staff hrs @ \$70/hr
5,000	1,400	6,400	Р	in-kind estimate: 20 staff hrs @ \$70/hr
12,000	12,000	24,000	Р	
40,000		40,000	Р	
40,000		40,000	Р	
25,000		25,000	Р	
5,000	2,000	7,000	Р	
25,000		25,000	Р	
		0	Р	
205,000		205,000	С	contingent on matching funds
397,000	25,200	422,200		
	5,000 25,000 10,000 5,000 40,000 40,000 25,000 25,000	support support 5,000 1,400 25,000 7,000 10,000 1,400 5,000 12,000 40,000 40,000 25,000 2,000 25,000 205,000	cash support in-kind support \$ Total 5,000 1,400 6,400 25,000 7,000 32,000 10,000 1,400 11,400 5,000 1,400 6,400 12,000 12,000 24,000 40,000 40,000 40,000 25,000 25,000 25,000 25,000 25,000 0 205,000 205,000 205,000	cash support in-kind support \$ Total (C)onfirmed, (P)otential 5,000 1,400 6,400 P 25,000 7,000 32,000 P 10,000 1,400 11,400 P 5,000 1,400 6,400 P 12,000 12,000 24,000 P 40,000 40,000 P 25,000 25,000 P 5,000 2,000 7,000 P 25,000 P 205,000 C

7.1. RFCPP budget for 2017-18:

b) Detailed description (services, rates, fees, etc.)		c) Amount requested from RFCPP	d) Other support	e) Total amount	
a) Expense category	Human resource costs	W.			
Principal (NHC) - 7hrs @ \$225/h Engineer II (NHC) - 81hrs @ \$17 Engineer V (NHC) - 272hrs @ \$ Technician III (NHC) - 132hrs @ Subcontractor I (NHC) - 4hrs @ Subcontractor II (NHC) - 60hrs @ Admin/Clerical (NHC) - 60hrs @	Building (lan Bruce) - 120hrs @ \$75/hr + GST = \$9,450 hr + GST = \$1,653.75 70/hr + GST = \$14,458.50 105/hr + GST = \$29,988 \$100/hr + GST = \$13,860 \$170/hr + GST = \$714 @ \$120/hr + GST = \$7,560 \$80/hr + GST = \$5,040 \$ Development, Communications = 180hrs @ \$37/hr = \$6,660	\$38,900	\$53,984	\$92,884	
a) Expense category	Travel and related costs				
Mileage - 2000km @ \$0.52/km + GST = \$1,092 Hotel for Engineer (NHC) - 2 nights @ \$150/night + GST = \$315			\$1,407	\$1,407	
a) Expense category Contract or professional service costs					1
Surveying - \$1,100		\$800	\$300	\$1,100	
a) Expense category	Printing and production costs	Ar .			1
Printing/courier (NHC) - \$200 Signage - \$2,000		\$300	\$1,900	\$2,200	
	Add a line (+)				Ī
	Total	\$40,000	\$57,591	\$97,591	
					_

[•] The total amount requested from the RFCPP (column C, bottom row) must equal the total cost to the RFCPP for all activities in section 6.1.

7.2. RFCPP budget for 2018-19:

b) Detailed description (services, rates, fees, etc.)		c) Amount requested from RFCPP	requested from aupport			
a) Expense category	Human resource costs					
Engineering: Contracting, constr Project Manager (lan Bruce) - 20 Project Mgmt (NHC) - \$2,000 Permits and Approvals (NHC) - \$ Planning and Contractor Selectic Construction (NHC) - \$30,000 Performance Monitoring (NHC) - Performance Monitoring (PSS) - Environmental Monitoring - 60hm Labour - 150hrs @ \$40/hr = \$6,0 Stewardship, Reporting, admin,	\$68,208	\$13,492	\$81,700	0387		
a) Expense category	nse category Travel and related costs					
Mileage - 2000km @ \$0.52/km + GST = \$1,092		\$1,092		\$1,092	3	
a) Expense category	Contract or professional service costs			•		
Excavation and hauling equipment: \$55k Tree work and removal: \$11k Site setup, access, mobilization, notice of project, safety, management: \$11k Traffic control: \$11k Pumps and environmental controls: \$11k Surveying - \$1.1K				\$100,100	×	
a) Expense category	Purchase, lease, maintenance or repair of equipment, materials or supplies					
Concrete, inc. forms, reinforcem Riprap, incl. delivery: \$40k Gravel: \$20K	\$60,000	\$100,000	\$160,000			
a) Expense category	Printing and production costs		*	•		
Printing/courier (NHC) - \$200 Signage - \$500		\$700		\$700		
	Add a line (+)				Г	
	-	otal: \$205,000	\$138,592	\$343,592	4	

• The total amount requested from the RFCPP (column C, bottom row) must equal the total cost to the RFCPP for all activities in section 6.2.

Event Objective: To educate and raise awareness about the Millstream Fishway Project and its benefits.

There will be **Stream Tours** of both upstream and downstream of culvert. Upstream tour of CRD lands to show habitat that will be accessible when the fishway is installed. Downstream the tour will show the culvert outlet and approach habitat



at www.PeninsulaStreams.ca or call 250-363-6596

Organization description:

Peninsula Streams Society helps coordinate stream restoration and habitat conservation in the Greater Victoria area. We provide our associated groups with the technical expertise and resources to help achieve their goals. Our goal is to achieve healthy aquatic habitat that supports self-sustaining populations of native species in both freshwater and marine environments. We accomplish this objective through research, restoration, innovative projects, public education and private land stewardship. Charitable Status # 865001457RR0001

Contact info:

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http://peninsulastreams.ca/

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