

Western Washington University Western CEDAR

Salish Sea Ecosystem Conference

2018 Salish Sea Ecosystem Conference (Seattle, Wash.)

Apr 6th, 9:00 AM - 9:15 AM

Efforts of Washington and British Columbia agricultural producers to address fecal coliform bacteria pollution in the lower Nooksack watershed

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Hughes-Games, Geoff; Appel, Rich; and Raymond, Mark, "Efforts of Washington and British Columbia agricultural producers to address fecal coliform bacteria pollution in the lower Nooksack watershed" (2018). Salish Sea Ecosystem Conference. 462.

https://cedar.wwu.edu/ssec/2018ssec/allsessions/462

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What are British Columbia producers doing to reduce impacts in the Nooksack watershed?

Geoff Hughes-Games, PAg
Acting Program Manager – BC ARDCorp

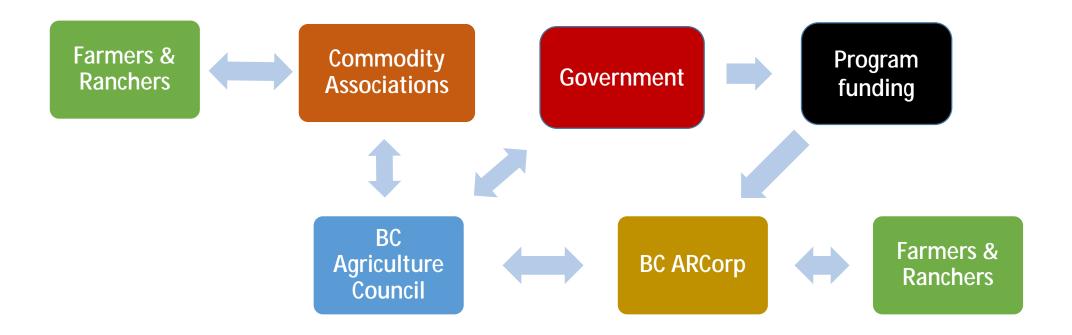








Producer - Organization Relationships



Primary Regulations – farm/environment interaction

- Environmental Management Act Provincial
 - Waste Discharge Regulation all sectors
 - Agricultural Waste Control Regulation agriculture sector
 - Primary legislation related to manure management
 - currently under review
- Water Sustainability Act Provincial
 - Water use and works in and about streams

- Fisheries Act Federal
 - Protection of fish and fish habitat
- Species at Risk Act Federal
 - Aquatic and terrestrial organism and critical habitat



Planning Advisors





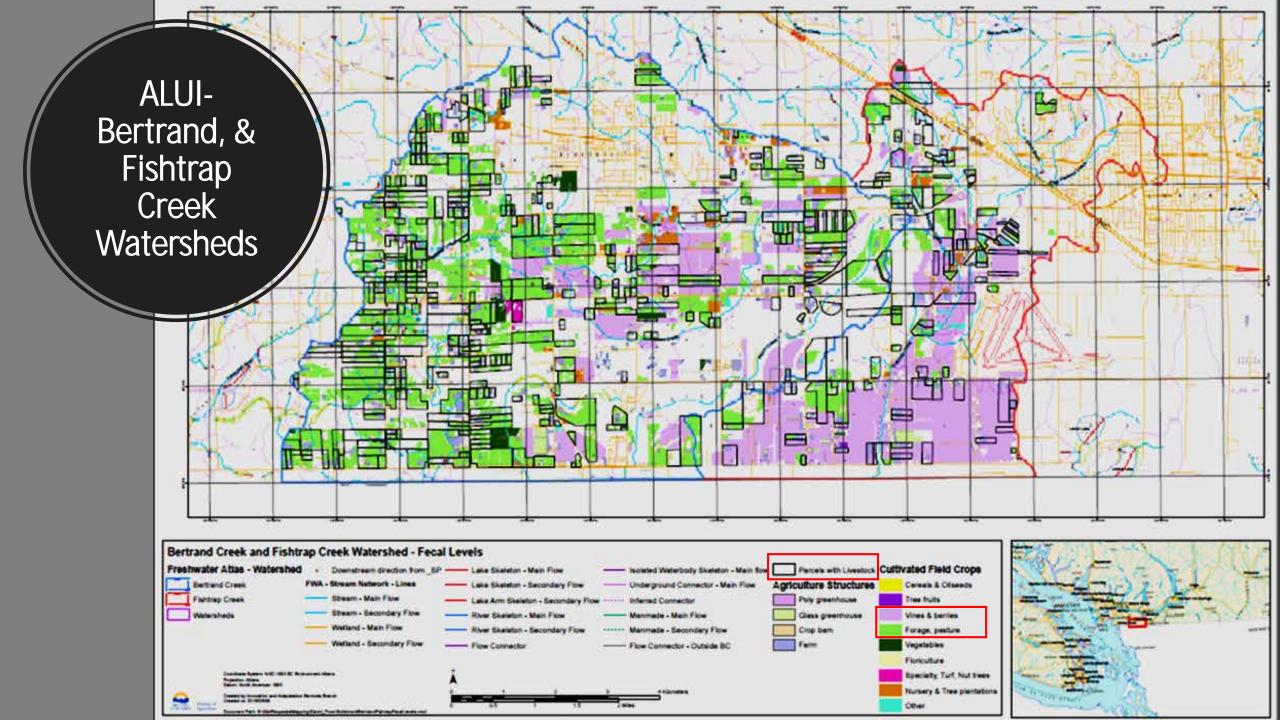
Funding

- Yes from BMP Program
- No complete using own resources or resources or guidance from others



Beneficial Management Practices

- Legal Requirements
- Recommended





EFP History

Number of EFPs Conducted in Bertrand, Cave, Pepin and Fishtrap Creek Watersheds since 2004

5 16	-	5
16	4.0	
10	12	28
9	1	10
13	65	78
2	-	2
1	2	3
4	-	4
-	5	5
2	2	4
52	87	139
	13 2 1 4 - 2 52	13 65 2 - 1 2 4 - 5 2 2

^{*} Count based on home address location within watershed



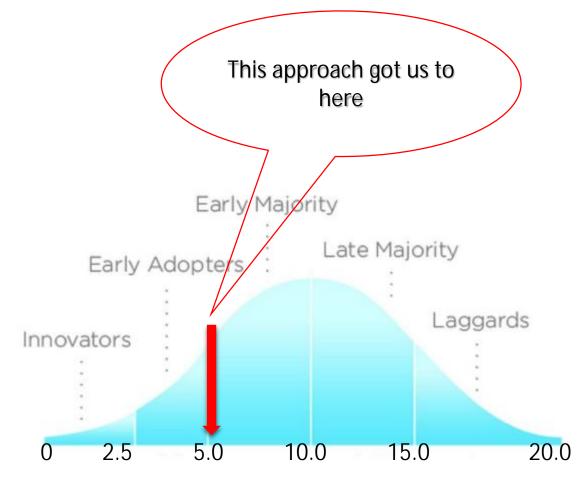
BMP History

Number and Type Funded BMP Projects Completed in Bertrand, Cave, Pepin and Fishtrap Creek Watersheds since 2004

	Langley	Abbotsford	Program Funds*	
Project BMPs				
Manure Management	9	8	\$110,985	
Riparian or Buffer Establishment	7	6	\$162,858	
Irrigation supply / distribution	11	55	\$365,078	
Farmyard runoff	3	1	\$26,334	
Nutrient recycling	0	4	\$16,668	
Product/Waste management	9	17	\$129,516	
CO ₂ Emission Reduction	1	2	\$28,938	
Planning BMPs				
Nutrient Management Plan	15	5	\$87,969	
Pest Management Plan	1	5	\$7,000	
Water Management Plan	5	4	\$25,974	
Vegetative Buffer Plan	2	2	\$8,899	
* Average Producer investment \$2.50/ \$1.00 from Program				

Progress to date.... EFP Program focused on benefits to farmers.....

- u Confidential review
- Voluntary participation
- Compliance with environmental regulations
- Providing financial benefits thru BMPProgram to support on-farm actions





We need to take a different approach!

Different Approach.....

Take a closer look at who is working agricultural operators in the watersheds? How can these programs cooperate? New Funding Agreement – Canadian Agricultural Partnership 2018-2023

Organization/Program	Focus	Activities
Langley Sustainable Agriculture Foundation Farmland Advantage Program	Ag Industry	Workshops/seminarsPilot - ESI
Langley Environmental Partners Society (LEPS)	Rural land owners	Education/data collectionProjects on private land
Bertrand Creek Enhancement Society	Watershed users	Education/ProjectsWork w/LEPS
BC Horse Council	Horse Owners	EducationWork w/LEPS
BC Environmental Farm Plan Program	Farmers	Agri-Env Risk AssessmentsOn-farm cost share funding

