

Water Stewardship in a Changing Climate

Field Trip, Public Lecture & Symposium in Nanaimo

TO REGISTER VISIT: civicinfo.bc.ca/event/2018/Nanaimo-Water-Symposium

Day 1: Wed. April 11th

Guided field trip to Buttertubs Marsh & Five Acres Farm



Meet at Bowen Park to load the bus at 2:45pm, returning at 5:00pm
FREE – Must pre-register.

Public lecture from water & climate author Bob Sandford: “The Hard Work of Hope”



At the Coast Bastion Hotel. Doors open at 6:30pm, welcome at 7pm, close at 8:30pm

FREE – Must pre-register.

Day 2: Thurs. April 12th

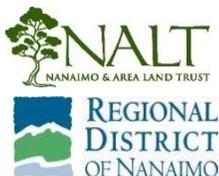
Full Day Symposium
“Water Stewardship in a Changing Climate: Collaboration Success Stories”
with catered lunch

At the Coast Bastion Hotel. Doors at 7:30am, begins 8:30am & ends at 4:00pm. Full lunch and refreshments included.

Registration:
\$45 – early bird until March 9
\$55 – after March 9



Brought to you by



An informed stewardship sector can be a catalyst for action! Learn what water stewardship groups are doing to make a difference, and how we can adapt to climate change through **restorative development** that values healthy functioning local watercourses.

Water Stewardship in a Changing Climate

Collaboration Success Stories

On April 11-12, 2018, join us in Nanaimo for a symposium on watershed stewardship, the water balance and *restorative development*.

Adapting to climate change requires transformation in how we value nature and service land.

An informed stewardship sector can be a catalyst for action. Learn what stewardship groups are already doing to make a difference!

TO REGISTER: Visit <https://www.civicinfo.bc.ca/event/2018/Nanaimo-Water-Symposium>



Brought to you by



the partnership
for water sustainability in bc



The symposium is an outreach and professional development event, held under the umbrella of the Georgia Basin Inter-Regional Education Initiative, and designed to foster a conversation in the Nanaimo Region about “Sustainable Watershed Systems, through Asset Management”



The Hard Work of Hope

Renowned author and speaker Bob Sandford, EPCOR Chair for Water & Climate Security at the United Nations University, will set the tone for the symposium. At a public lecture on the evening of April 11, his inspirational message will be a call to action.

**At the Coast Bastion Hotel. Doors open at 6:30pm.
Welcome at 7:00 pm. Close at 8:30 pm.**

The Hard Work of Hope, the latest book by Bob Sandford, seeks to develop effective solutions to the growing urgency for global action on climate change. It builds on events that have transpired since December 2015.

A Compelling Call to Action

The warming of the planet's atmosphere is causing water to move more quickly and disruptively through the global water cycle. Local consequences are magnified. To make the right choices moving forward, decision-makers at all levels and scales must understand how and where the rhythms of water are changing. We must collaborate to **adapt our land use and infrastructure servicing practices appropriately!**

–“What we are essentially talking about is reconciliation: going back to the headwaters of where we got our relationships with water and with one another wrong so that we can start back down the river of time – this time together – with a full understanding of the importance of embracing a water-first approach to planning human interventions in the environment,” urges Bob Sandford.

Successful watershed restoration in the built environment depends on all the players – in particular politicians, planners, landowners, designers, implementers and asset managers – embracing, and collaborating to implement, a ‘design with nature’ land ethic.

Local government collaboration with the stewardship sector is pivotal on this journey. Tapping into this resource would harness energy and potential to ‘get it right’ as communities develop and redevelop land. Attend the symposium and learn more on April 11-12, 2018

The symposium is an outreach and professional development event, held under the umbrella of the Georgia Basin Inter-Regional Education Initiative, and designed to foster a conversation in the Nanaimo Region about “Sustainable Watershed Systems, through Asset Management”

Field Trip to Buttertubs Marsh and 5-Acres Farm in the City of Nanaimo

*Meet at Bowen Park in the lower parking lot (off Wall St)
Buses will load at 2:45 pm, leave at 3:00 pm, and return at 5:00 pm.*

Growing Stewardship in the Marsh:

Join the City of Nanaimo and the Nature Trust of British Columbia on a tour of Buttertubs Marsh that will trace the history of this special place and the growing stewardship legacy developing here. The tour will cover the development and growth of the conservation lands, the development of the current management plan, and the several projects and initiatives currently underway, including a study on determining the financial value of the marsh as a community asset.



Five Acres – A Historic Farm for Nanaimo’s Future:

The five-acre farm located in Harewood is the last farm of BC's first agricultural community plan, an historic and innovative plan unique to Nanaimo. Today, this farm supports many values that are important to Nanaimo: historical, agricultural-food security, creative employment and environmental values. Several features of the property are environmentally significant: headwaters of a Chase River tributary; bird, mammal and fish habitat; ground water recharge and a keystone feature of rainwater management.



The symposium is an outreach and professional development event, held under the umbrella of the Georgia Basin Inter-Regional Education Initiative, and designed to foster a conversation in the Nanaimo Region about “Sustainable Watershed Systems, through Asset Management”

Stewardship Context & Program Overview for Symposium on Day 2

Context is important. In the 1990s, the first streamkeeper groups were formed in British Columbia. They had an immediate impact. They galvanized government into action.

A landmark success story was the **Urban Salmon Habitat Program**. It forged relationships between local governments and stewardship groups. This helped to set in motion a provincial ‘whole-system, water balance’ journey that continues to this day.

Fast forward to the present. Anecdotal evidence suggests a groundswell of heightened awareness of the watershed context for “the creek that flows through my backyard”. Awareness is translating into involvement and empowerment to make a difference.

TO REGISTER: Visit <https://www.civicinfo.bc.ca/event/2018/Nanaimo-Water-Symposium>

Water Stewardship in a Changing Climate

	Registration / Meet & Greet	Speaker
8:00		
8:30	<p>The Story of Project 2000 – Why We Must Look Back to Look Ahead</p> <p>Gail Adrienne will set a tone and define expectations for the symposium and beyond. In reflecting on the evolving role of the stewardship sector in the Nanaimo region, she speaks from experience. Beginning in 1997, Gail led Project 2000, which jump-started stewardship activities and projects. Looking ahead, Gail sees the current resurgence of community interest in caring for waterways as key to making a difference in restoring naturally functioning watersheds over time.</p>	 Gail Adrienne
9:15	<p>Sponge Communities: A Water-Resilient Future Despite Floods & Droughts?</p> <p>Kim Stephens will prime participants for a town-hall sharing session which he will then lead. He will explain the call to action for <i>Sustainable Watershed Systems, through Asset Management</i>. BC has arrived at a fork in the road. Consider the weather extremes experienced in 2015, 2016 and 2017. Impacts are magnified by human interventions. And so, to kick-off the town-hall session, Kim will ask: How will communities ‘get it right’ as land redevelops?</p>	 Kim Stephens
10:00	Refreshment Break / Conversation	

0:00		Refreshment Break / Conversation		SPEAKER	
10:30	PANEL: Community Empowerment & Sustainable Partnerships with Local Government				
	<p>Led by Peter Law, this segment is the heart of the program. It has two parts: first, panel reflections; then, a 'roving mike'. The panel will showcase success stories resulting from local government and stewardship sector collaboration. Panel members will paint a picture of what collaboration must look like in practice to truly achieve the vision for restorative development. The desired outcome: participants will be inspired to make a difference!</p>			 <p>Peter Law</p>	
12:15		Lunch / Conversation			
1:15	Drinking Water & Watershed Protection Plan: Sustainable Partnerships in the RDN				
	<p>In 2008, the RDN was the first regional government to create a Drinking Water and Watershed Protection (DWWP) service. Julie Pisani, program coordinator, will elaborate on DWWP initiatives, which include outreach and education, local water studies and community-based monitoring, and policy advocacy and support for land use planning. She will share stories and successes of regional collaboration and the development of sustainable partnerships in freshwater protection.</p>			 <p>Julie Pisani</p>	
1:45	Look at Watersheds Differently: 'Perceptions of Worth' versus 'Perceptions of Value'				
	<p>The <i>Ecological Accounting Process</i> (EAP) is a whole-system view of watersheds that assesses the hydrology in order to accurately describe the ecological services made possible by the hydrology. Demonstration applications are Busy Place Creek in Cowichan Valley; and Brooklyn Creek in Comox Valley. Looking through the 'worth lens' has led to a fundamental shift in the EAP approach: place less emphasis on monetization of ecological services; instead, focus on the investment of resources as well as aspirations of motivated stakeholders.</p>			 <p>Tim Pringle</p>	
2:15	Towards a Culture of Stewardship: Interweave Indigenous and Western Thought				
	<p>Interweaving is a collaborative process where apparently contradictory ways of knowing, such as Western Science and Indigenous Knowledge, are brought together as coexisting threads to produce a new culture of stewardship. Interweaving requires humility and hope from both partners, as they weave each other's contributing threads of knowledge into a new vision for our future which will unlock creativity to solve climate change problems and contribute to restorative development.</p>			<p>TBD</p>	
2:45		Refreshment Break / Conversation			
3:15	The Journey to a Water-Resilient Future: Action Items for the Nanaimo Region				
	<p>Bob Sandford will connect the dots between his call to action the previous evening, and what he heard throughout the day of the symposium. His emphasis will be on tangible action items that would lead to restorative development. The essence of his message? Once we change our attitude, we will find the path to success.</p>			<p>Bob Sandford</p>	
3:45	Symposium adjourns				

DETAILED ABSTRACT FOR PANEL SEGMENT: **Community Empowerment & Sustainable Partnerships with Local Government**

Communication, cooperation, coordination and collaboration – have you thought about the power of the **4Cs**? When all four are in play, good things happen. Are you aware of the **beneficial outcomes** that are flowing from collaboration between local government and the stewardship sector in the Nanaimo region? These questions provide context for the two-part panel segment of the program.

- **PRIMING THE AUDIENCE:** In their prepared remarks, panelists will shine the spotlight on the role played by the stewardship sector in building trust and delivering outcomes through effective partnerships with local governments. They will give examples of how their project(s) relate to the foregoing.
- **TOWN-HALL INTERACTION:** Panelists will reflect on the value of ‘citizen science’ and how it can be leveraged to achieve two complementary objectives: educate the local community (public); and provide an impetus for political action that results in implementation of environmental policy at the local and/or provincial level.

The panel lens is a watershed lens – *what do we want this watershed to look like?* The desired outcome: the audience will be energized and inspired to make a difference regarding **restorative development!**

REPRESENTING	THEME & RELEVANCE	SPEAKER
Mid Vancouver Island Habitat Enhancement	Shelly Creek Water Balance & Sediment Reduction Plan	Peter Law
	MVIHES has morphed from <i>Stewards of the Englishman River Recovery Plan</i> to <i>Stewards of the Watershed</i> . The Shelly Creek Plan is a provincial precedent. Community-driven action can restore watershed hydrology, prevent erosion and ensure fish survival.	
Nanaimo & Area Land Trust	Watershed / Stewardship Partnerships	Paul Chapman
	NALT uses the tools of land trusts: acquisition, conservation covenants and education to promote and protect the natural values of land in the Nanaimo area. NALT also shares its structural capacity to assist local stream stewardship groups to carry out their activities.	
Regional District of Nanaimo	Community Watershed Monitoring Network	Julie Pisani
	Water quality program is a partnership with 13 stewardship groups, Ministry of Environment and Island Timberlands. It expands on the provincial database to see watershed trends, inform planning and programs, and raise watershed awareness in local communities.	
City of Nanaimo	Stewards in the City	Rob Lawrance
	Shifts in environmental partnerships have been occurring within the City Parks system. The City has adapted to try and make environmental stewardship a more inclusive activity for residents in order to build connections between residents and natural spaces.	
Mt. Arrowsmith Biosphere Region Research Institute	The Five Acre Farm / Wetlands Mapping Project	Pam Shaw
Streamkeepers		Dave Clough