

**CAVI – Convening for Action on Vancouver Island
Leadership in Water Sustainability**



**Creating Our Future:
The New Business As Usual**
Visualize What We Want Vancouver Island to Look Like in 50 Years



BRITISH
COLUMBIA
The Best Place on Earth



Rainwater Management & Green Infrastructure: Visualize What We Want British Columbia to Look Like in 50 years



*“Vancouver Island is the pilot region for a collaborative and inclusive approach to practitioner continuing education, namely: **The Learning Lunch Seminar Series**”*



Drainage Planning in BC Has Been Evolving Over the Decades

- 1960s: **Pipe and Remove**
- 1970s: **Detain Peak Flows**
- 1980s: **Reactive Mitigation**
- 1990s: **Stream Stewardship**
- 2000s: **Rainwater Management**
(Create Livable Communities
& Protect Stream Health)

Consistency at the front counter !

The Learning Lunch Seminar Series will facilitate inter-departmental alignment and a consistent regional approach to rainwater management & green infrastructure

THE CURRICULUM

- Sept 19 Today's Expectations are Tomorrow's Standards
- Oct 24: Legal and Policy Strategies to Support Green Infrastructure
- Nov 21: Nature Knows No Boundaries

Your Learning Lunch Seminar Team

TEAM LEADER:

- Kim Stephens, Program Coordinator, Water Sustainability Action Plan for BC

COMOX VALLEY ORGANIZING TEAM:

- Kevin Lagan, City of Courtenay
- Derek Richmond, City of Courtenay
- Sandy Pridmore, City of Courtenay
- Craig Armstrong, City of Courtenay
- John Finnie, Regional District of Nanaimo
- Kate Miller, Cowichan Valley Regional District
- Peter Nilsen, District of North Cowichan
- Jay Bradley, Ministry of Agriculture & Lands

GUEST FACULTY:

- Ian Whitehead, McElhanney Engineering
- Catriona Weidman, Ministry of Community Development

Today you will learn that:

1. **From single purpose Stormwater Management to multiple objective RAINwater Management**
2. **To get to the big picture, start with the smallest pieces**
3. ***Stormwater Planning: A Guidebook for BC* is science-based and outcome-oriented**

Next, we would like to introduce you to each other

In 15 seconds or less, please tell us:

- Your name
- The organization you represent
- What you do



Where and how land is developed determines....

- **How water is used**

- *sustainability of supply*

- **How water runs off the land**

- *sustainability of aquatic habitat*



Andy Reese

“Do you know where you really are in the shifting paradigms of stormwater management?”

1. Run it in Ditches
2. Run it in Pipes
3. Run it in Stormwater Pipes
4. Keep it from Stormwater Pipes
5. Well, Just Don't Cause Flooding
6. Oh, and Don't Pollute Either
7. It's the Ecology, Stupid
8. Water is Water is Watershed
9. Green and Bear It
- 10. Build the Vision, Create the Legacy**

from Stormwater Management to RAINwater Management

From TRADITIONAL to

- Drainage Systems
- Reactive (Solve Problems)
- Engineer-Driven
- Protect Property
- Pipe and Convey
- Limited Consultation
- Local Government Ownership
- Extreme Storm Focus
- **Peak Flow Thinking!**



INTEGRATED:

- Ecosystems
- Proactive (Prevent Problems)
- Interdisciplinary Team-Driven
- Protect Property *and* Habitat
- Mimic Natural Processes
- Inclusive Consultation
- Partnerships with Others
- Rainwater Integrated with Land Use
- **Volume-Based Thinking!**

Reducing Risk

Engineered Solution



**Deal with Consequences:
Reactive in Solving Problems**

OR

Emulate Natural Systems



**Eliminate the Causes:
Proactive in Preventing Problems**

Livability and streetscape design: We have choices



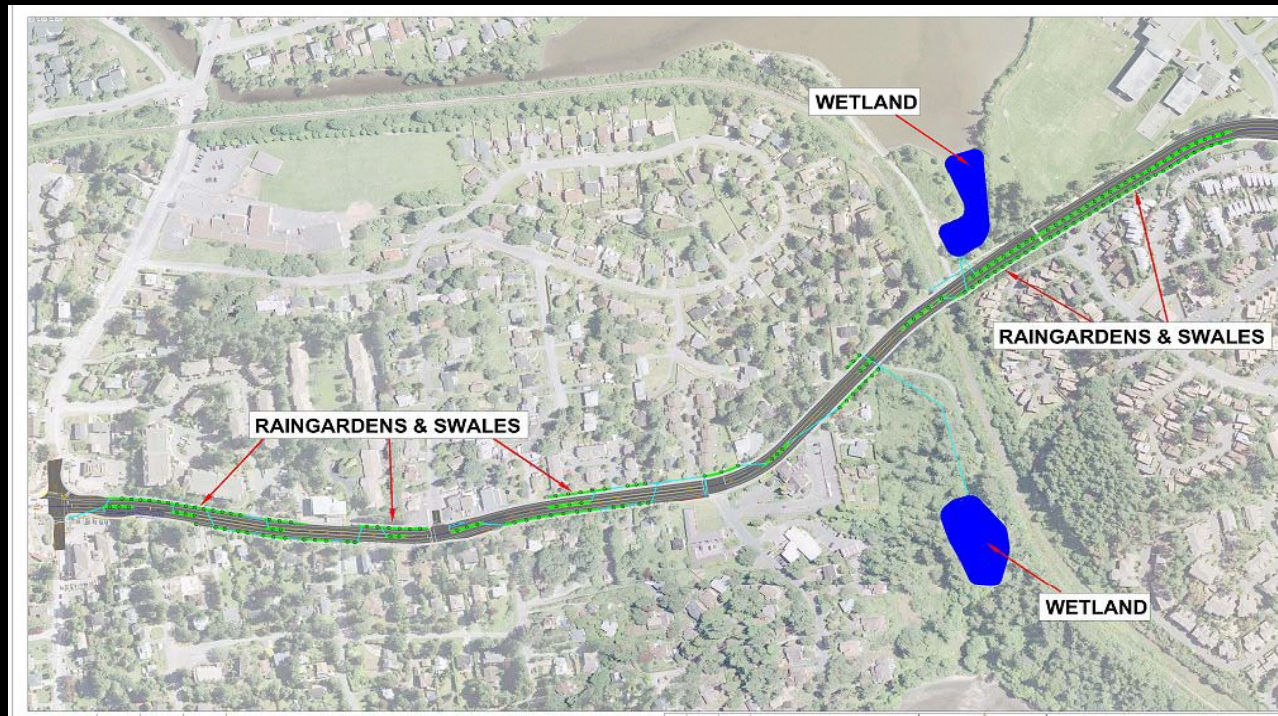
**City of Chilliwack
'Sustainable Subdivision'**

**Will streets be
sterile and uninviting,
or green and alive?**



**City of Seattle
Street Edge Alternatives Program**

Livability and streetscape design: We have choices



Enhancement of the Old Island Highway,
Town of View Royal

Livability and streetscape design: We have choices



Before – could be any street, anywhere!



After reconstruction – green and inviting!

Crown Street near Musqueam Creek and
Musqueam First Nations in the City of Vancouver

Living Water Smart: By 2012, all land and water managers will...factor in new approaches to securing stream health and the full range of stream benefits.



Desired Outcome: Create liveable communities; protect stream health!

An aerial photograph of British Columbia, Canada, showing a dense network of streams and rivers. A large green rectangular area is overlaid on the map, covering the central and southern parts of the province. A yellow line traces the path of a major stream network, likely the Fraser River system, starting from the mountains and flowing towards the coast. The background is a mix of green, brown, and blue, representing different land uses and natural features.

The New Business As Usual:

Visualize What We Want British Columbia to Look Like in 50 years

*“Design with Nature to
create liveable communities
and protect stream health”*

An aerial photograph of British Columbia, Canada, overlaid with a green infrastructure map. The map shows a network of green lines representing infrastructure, primarily following the coast and major river valleys. The background is a natural landscape with green forests, blue water bodies, and brownish terrain. A green banner is superimposed over the middle of the image, containing text.

The New Business As Usual:

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“Water sustainability will be achieved by implementing green infrastructure policies and practices”

**Green Value Development has moved from
market-niche to market-share.....
from 10% in 2006 & 2007 to 60% going forward**

**Proposed Residential and Mixed Use Development Projects
With a Value \geq \$15 million**

Number of Projects	Value of Projects (\$ billions)	Proportion of Total Value
40 in total	\$10.400	100%
3 are 'light green'	\$0.133	1%
8 are 'deep green'	\$5.908	57%
29 are conventional	\$4.369	42%

Reference Sources:

Stats BC major projects inventory
Conversations with developers
Interviews with local government planning departments

When 'convening for action', we build capacity by creating a picture of the future:

1. **Vision:** What we want Vancouver Island to look like in 50 years ~*WHAT*~
2. **Goal:** Implement the New Business As Usual ~*SO WHAT*~
3. **Strategy:** What we are going to do better or differently to get from here to there ~*NOW WHAT*~

A Question for You to Ponder:

**What is your role in implementing
The New Business As Usual?**