

# Beyond the Guidebook 2010:

Implementing A New Culture for Urban Watershed Protection & Restoration on British Columbia

Oglala Seamoun

Kim A Stephens, P.Eng., M.Eng. Vancouver Island
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## "Overcoming Fear and Doubt"

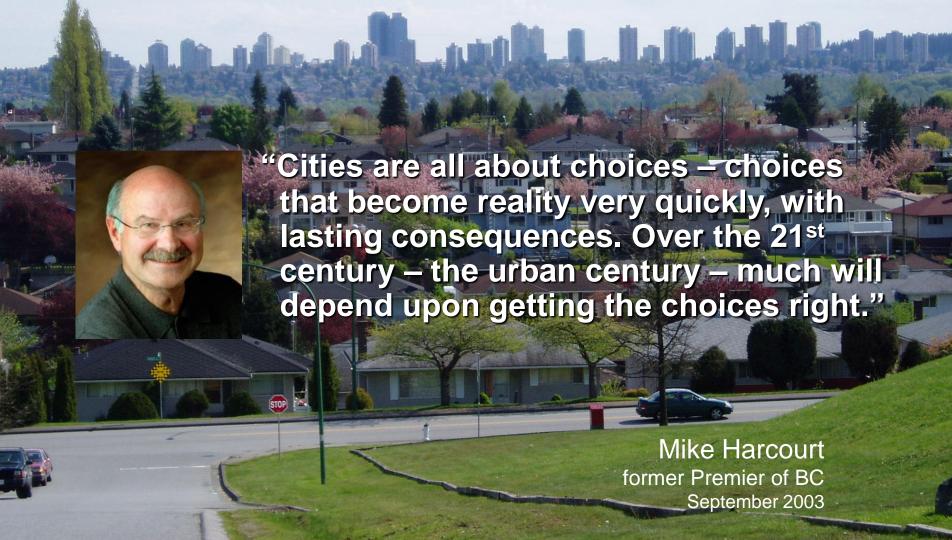
In 2001, we were literally hanging on by our fingernails.



"If we fail, it will be a generation before anyone will even have the opportunity to try again; so we must not fail.

Patrick Condon 2001 SmartStorm Forums





#### A Perspective on Climate Change

# "If mitigation is about CARBON, then adaptation is about WATER."



Jim Mattison, Assistant Deputy Minister Water Stewardship Division Ministry of Environment April 2008

## Mind Map for a Conversation

- □ Convening for Action
- Design with Nature
- □ Regional Team Approach
- □ Connecting Dots



#### Beyond the Guidebook 2010:

Implementing a New Culture for Urban Watershed Protection and Restoration In British Columbia

June 2010







A decade ago we made a conscious decision to follow an educational rather than prescriptive path in BC.

We knew it would take time to change the practitioner culture.

Beyond the Guidebook 2010 is the story of what local governments are accomplishing on the ground.

# Convening for Action in BC:

Visualize What We Want Our Regions to Look Like in 50 years



## When 'convening for action', we create a picture of the future that we want:

1. Vision: What the regions of BC will look like in 50 years

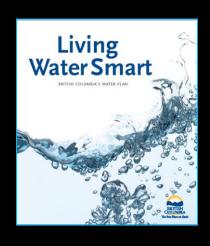
~ WHAT~

Goal: Implement the 2. 'New Business As Usual'

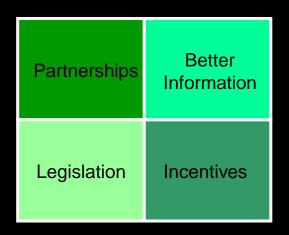
~SO WHAT~

3. **Strategy:** What we are going to do better or differently to get from here to there

~NOW WHAT~



#### A Call to Action



# Living Water Smart, BC's Water Plan and the Green Communities Initiative provide a vision of what the regions of our province can look like if local governments.....

- prepare communities for climate change,
- choose to be water smart, and
- strive to build greener communities







### Water Sustainability Action Plan for BC

- a partnership umbrella for *on-the-ground* initiatives that advance a *'water-centric' approach* to community development

### Because 'everything is connected', the Action Plan focus is on the relationship between land and water

Land is Developed
Water is Used and

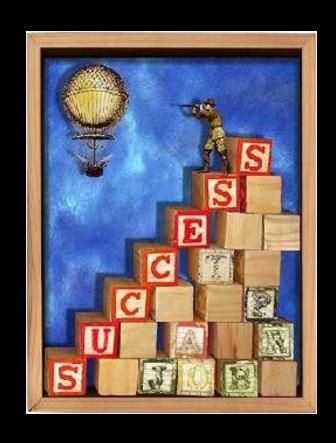
Where and How Land is Developed Determines How Water is Used and How Water Runs Off the Land

# This is the "BC process" for moving from Awareness to Action



# In 2005, we chose the South Okanagan as the sub-regional pilot for 'Convening for Action'

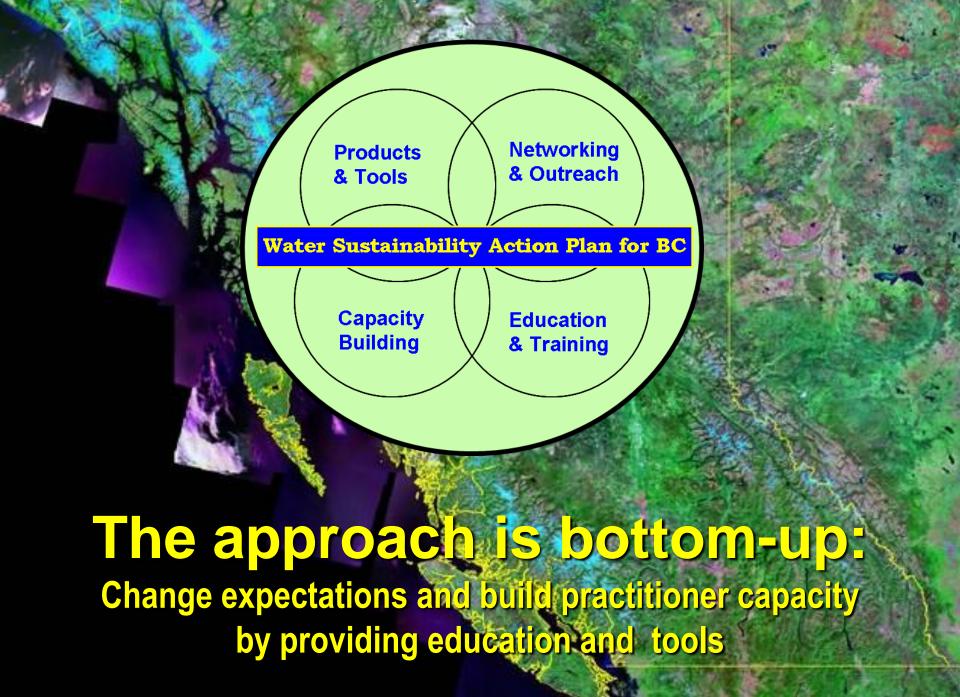
- OUR VISION:
   Water-Centric Planning:
   A Guidebook for British Columbia
- South Okanagan Regional Growth Strategy
- Convening for Action in the South Okanagan
- Town of Oliver: Smart Growth on the Ground





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# Collaboration, a 'Design with Nature' approach, and re-use of resources are keys to climate change adaptation

- Develop compact, complete communities
- Increase transportation options
- Re-use and recycle water, energy and nutrients from liquid wastes
- Protect and restore urban 'green' space
- Strive for a lighter 'hydrologic footprint'
- Achieve higher levels of stream, wetland and marine environment protection









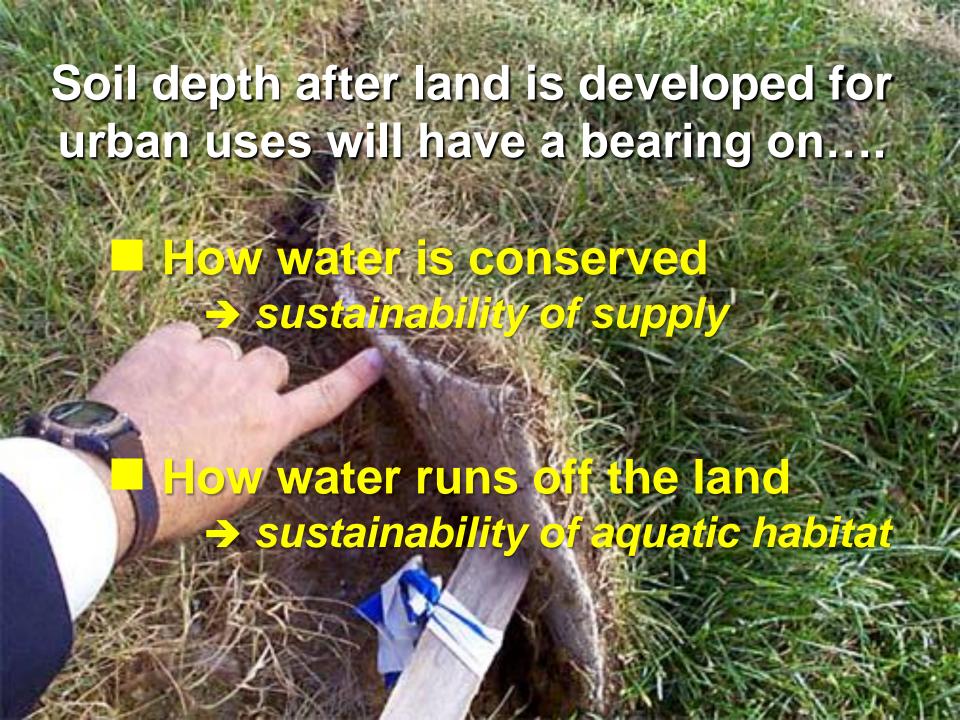


# An example of how an environmental ethic is taking root and influencing road drainage design

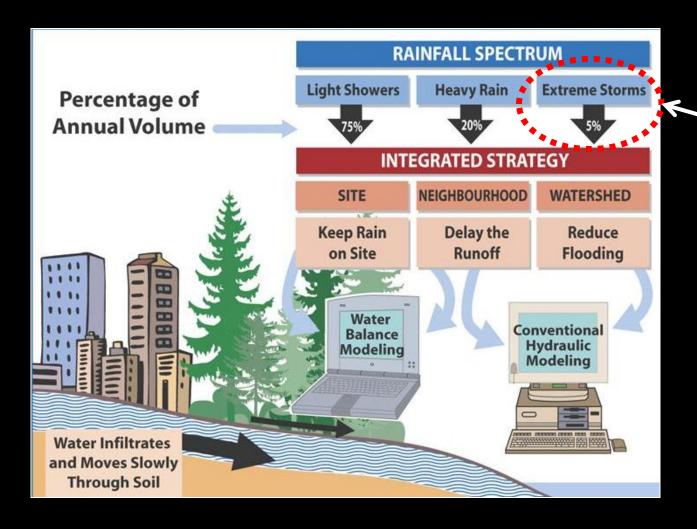


Protecting Stream Health Starts at the Storm Drain Inlet: Streetscape Enhancement in West Vancouver:





# Rainwater Management is at the heart of Green Infrastructure; and Water Sustainability will be achieved through Green Infrastructure policies and practices



Stormwater
Management
is narrow in scope



how to achieve a 'light hydrologic footprint'



#### Returning Users

	1	
Password		
	Log In!	

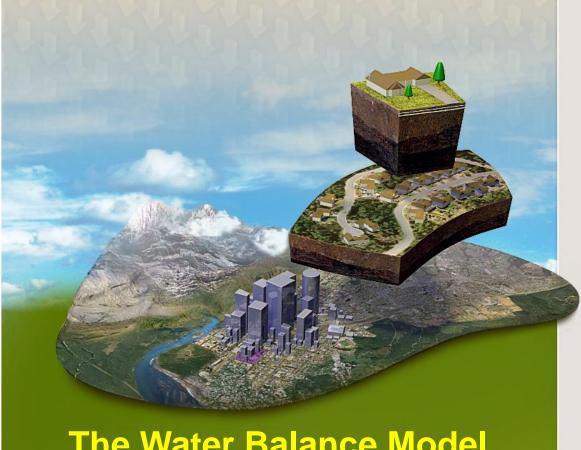
#### Is this your first visit to the model?

You will have to register in order to create model scenarios. There is only one option during our public beta testing period:

1. Register a (free) "trial" account. As a trial account registrant you are free to access all model features, however your account and any scenarios you've created will be deleted 7 days from the time you register.

Following the end of the beta period, scenarios created by subscribers or members of subscribing groups will remain in the database permanently.

Create a New Account



**The Water Balance Model** integrates the Site with the Watershed and the Stream...

to evaluate performance targets for greening the urban landscape and protecting watershed health

CANADA





















## Mind Map for a Conversation

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- Local Government those who plan and regulate
- Developers those who build
- Stewardship Sector those who advocate for conservation
- Agricultural Sector those who grow food
- Academia those who provide research

The 'regional team approach' is founded on partnerships and collaboration; and seeks to align actions at three scales – provincial, regional and local.



"Everyone needs to agree on expectations and how all the players will work together, and after that each community can reach its goals in its own way."

Eric Bonham
Convening for Action on Vancouver Island

#### The 'Regional Team Approach'.....

- Had its genesis in the
   2008 Vancouver Island Learning Lunch Seminar Series
- Was introduced to the Metro Vancouver region at the
   2009 Surrey Water Balance Model Forum
- Was showcased provincially at the 2009 Penticton Forum
- Is embedded in the policy framework for Metro Vancouver's Integrated Liquid Waste & Resource Management Plan
- Is being demonstrated as a way to collaborate and innovate under the Comox Valley Regional Growth Strategy and the inter-municipal Bowker Creek Blueprint in the CRD

These principles are key to the success of partnerships, collaboration, alignment, innovation and integration under a regional team approach...

- We seek a common vision
- We create learning and networking opportunities
- We focus on the relationship between land and water
- We promote sharing of ideas and experience

# In May 2005, we convened a Consultation Workshop that resulted in 'Celebrating Green Infrastructure'





Because it is lonely being a champion, and everyone in local government is so busy, participants expressed a strong desire to pool resources and convene on-the-ground to share 'how to do it' experiences

# The goal in Showcasing Innovation is to build regional capacity ...



... by sharing green infrastructure approaches, experiences and lessons learned as an outcome of 'designing with nature'.

# In 2007, there were parallel Showcasing Green Infrastructure Innovation series on Vancouver Island and in Metro Vancouver

The Showcasing Innovation Series resonated because it enabled local governments to tell their stories in a way that no other forum currently provides

# Showcasing Innovation on Vancouver Island is building a practitioners network

- Comox Valley
  Connecting to Sustainability
- Nanaimo Region
  Designing with Nature
- Cowichan Valley Partnerships & Collaboration – moving from Concept to Reality
- Capital Region
  Integration & Innovation at a Community Scale



#### "Convening for Action in the Georgia Basin"

Campbell River



- An Integrated Watershed Approach to Settlement
- 2 Action for Water
- Cowichan Basin Water Management Plan
- Bowker Creek Blueprint
- Integrated Liquid Waste & Resource Management Plan



USA

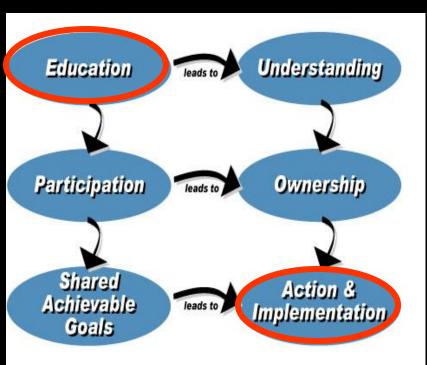
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# 'Convening for Action' experience shows that success will follow when local governments.....

- Choose to be enabled.
- 2. Establish high expectations.
- 3. Embrace a shared vision.
- 4. Collaborate as a 'regional team'.
- 5. Align and integrate efforts.
- Celebrate innovation.
- 7. Connect with community advocates.
- 8. Develop local government talent.
- 9. Promote shared responsibility.
- 10. Change the land ethic for the better.

# This is what needs to happen to achieve integration that leads to action



# •

#### **Critical Success Factors:**

- Commitment to take action & deliver
- Champions to provide energy & drive
- Accountability to deliver at all levels
- Resources to get the job done

Inform, Educate & Inspire

Source:

Stormwater Planning: A Guidebook for British Columbia, 2002

