

From Rain to Resource Workshop
“Managing Stormwater in a Changing Climate”



**Beyond the Guidebook 2010:
Implementing A New Culture for
Urban Watershed Protection & Restoration
in British Columbia**

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In 2002, the Guidebook was a catalyst for action to implement a 'design with nature' approach:

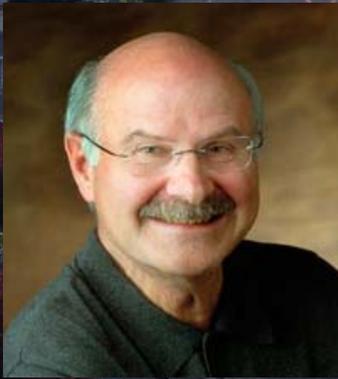
❑ Provided

- Direction
- Science-based principles and objectives
- Guidance on how to do integrated planning

❑ Introduced these core concepts:

- Rainfall spectrum
- Integrated '*site-neighbourhood-watershed*' strategy
- Water balance methodology
- Performance targets
- A "*learn by doing*" adaptive framework

Context for changing water management practices at the site level



“Cities are all about choices – choices that become reality very quickly, with lasting consequences. Over the 21st century – the urban century – much will depend upon getting the choices right.”

Mike Harcourt
former Premier of BC
September 2003

Land Development and Water: The Practitioner Ethic is Changing!

Convening for Action in British Columbia



**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.**

Beyond the Guidebook 2010 tells the stories of 'convening for action' champions in over 40 local government settings in three regions



‘Beyond the Guidebook 2010’ connects the dots:

1. Moving from Awareness to Action in BC
2. **Stormwater Planning: A Guidebook for BC**
3. Changing the Culture
4. Convening for Action in British Columbia
5. Outreach & Continuing Education Program
6. Beyond the Guidebook:
Connecting Dots & Building Blocks
7. **Developing Outcome-Oriented Watershed Plans**
8. To Learn More



In 2007, 'Beyond the Guidebook'
built on the Guidebook foundation:

- **Guidebook** emphasis is on rainfall capture (volume control) at the site scale
- **Beyond the Guidebook** focus is on the relationship between volume control and resulting flow rates in streams

“RAINwater management is about protecting streams, not how much volume you can infiltrate”

Corino Salomi, Area Manager
Department of Fisheries & Oceans
at the Beyond the Guidebook Seminar
November 2007



Shared responsibility leads to outcome-oriented actions!

Beyond the Guidebook 2010: Implementing a New Culture for Urban Watershed Protection and Restoration in British Columbia

Executive Summary

Table 2 (brought forward from Chapter 7)

Developing Outcome-Oriented Watershed Plans:
Framework for Moving from Planning to Action

Action	Level of Commitment
Complete and implement	Least... with senior governments, develop... strategies for

The Commentary is accompanied by a paper titled *Beyond the Guidebook: Establish Watershed-Specific Runoff Capture Performance Targets*, released at the 2008 Water Balance Model Partners Forum.

iii

Water Sustainability Action Plan for British Columbia – June 2010

Table 2 presents a framework for setting watershed-specific performance targets and then implementing them at the development scale to protect stream health

***“Convening for Action in British Columbia”
is cross-fertilizing seven initiatives
that are ‘water-centric’ and precedent-setting***

1

C

Comox Valley: An Integrated Watershed Approach to Settlement

2

A

Regional District of Nanaimo: Action for Water

3

V

Cowichan Basin Water Management Plan

4

I

Capital Regional District: Bowker Creek Blueprint

5

Metro Vancouver Integrated Liquid Waste & Resource Management Plan

6

South Okanagan-Similkameen Local Government Ecological Standards and Practices Capacity-Building Initiative

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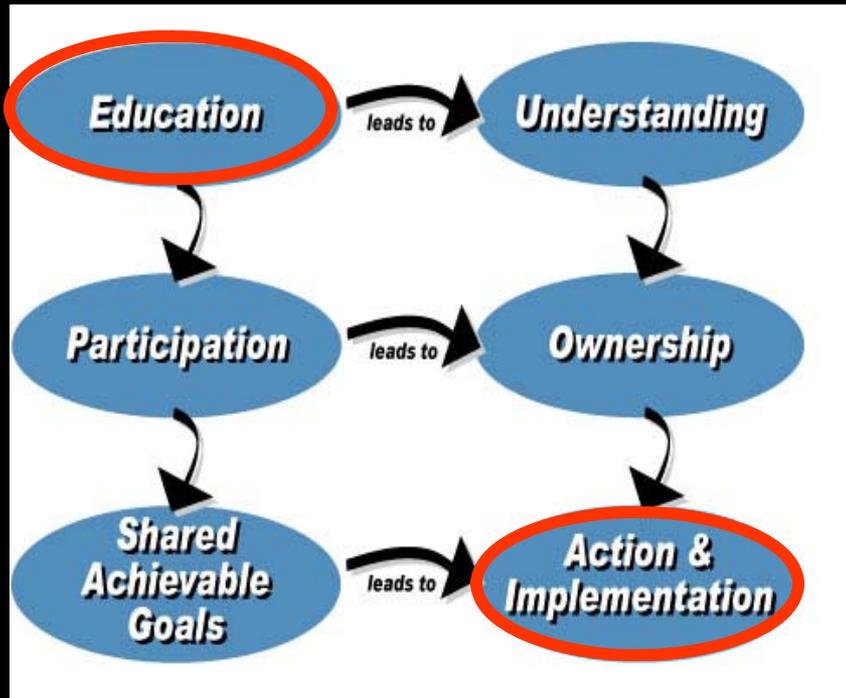
Okanagan Sustainable Water Strategy



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

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

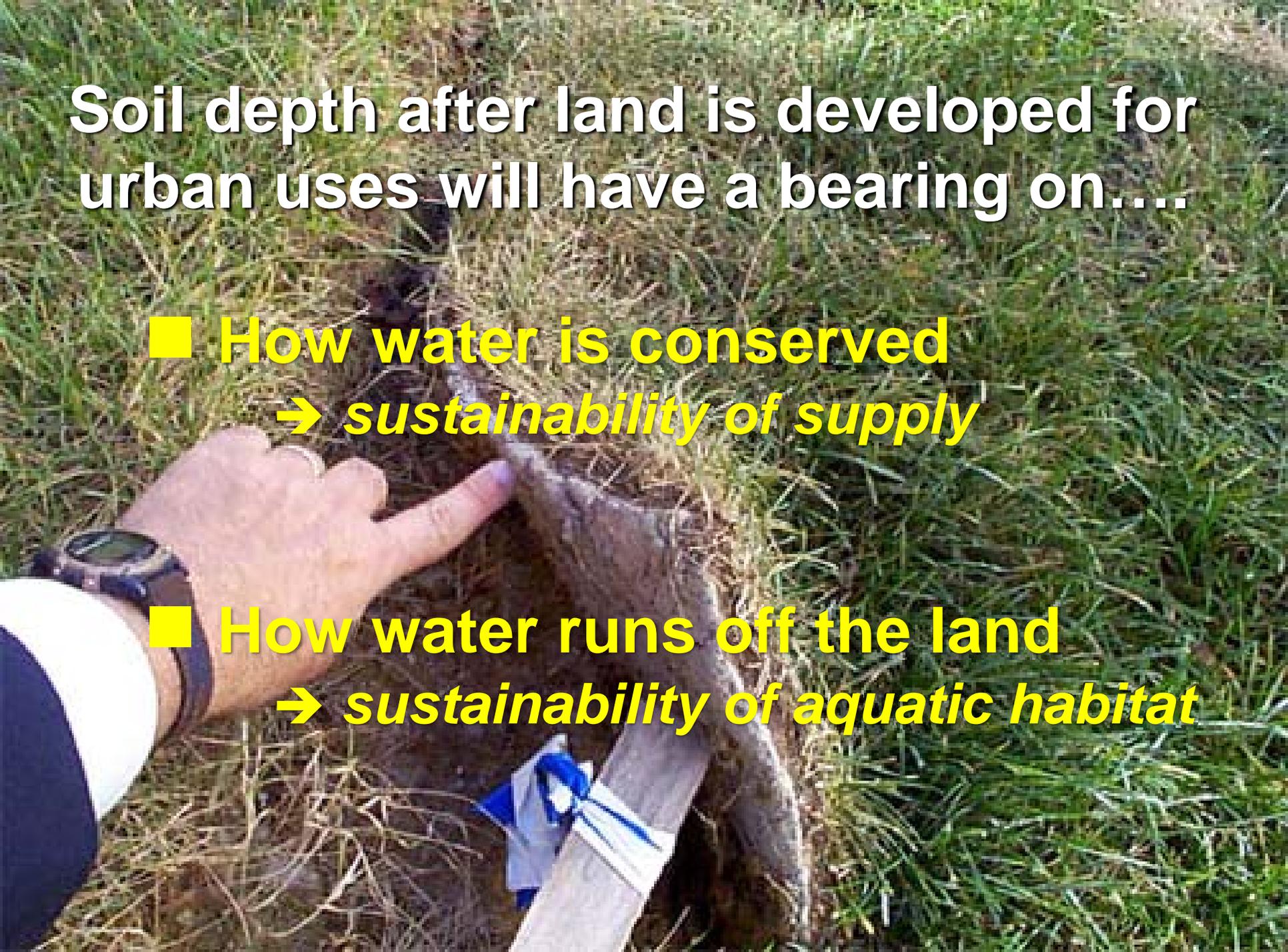
This is what needs to happen to achieve integration that leads to action



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

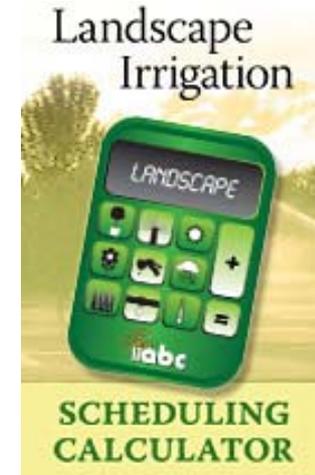
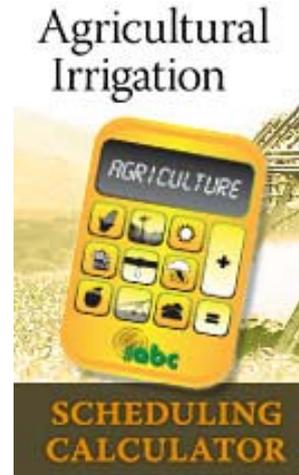
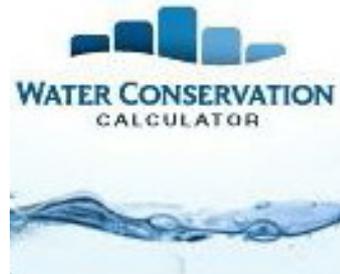
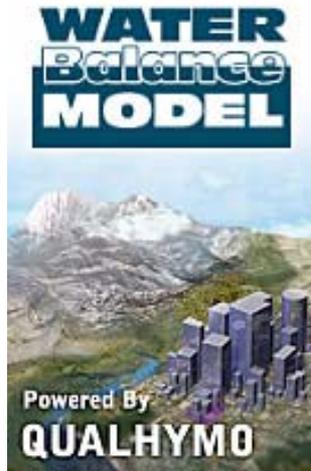


Soil depth after land is developed for urban uses will have a bearing on....

■ **How water is conserved**
→ *sustainability of supply*

■ **How water runs off the land**
→ *sustainability of aquatic habitat*

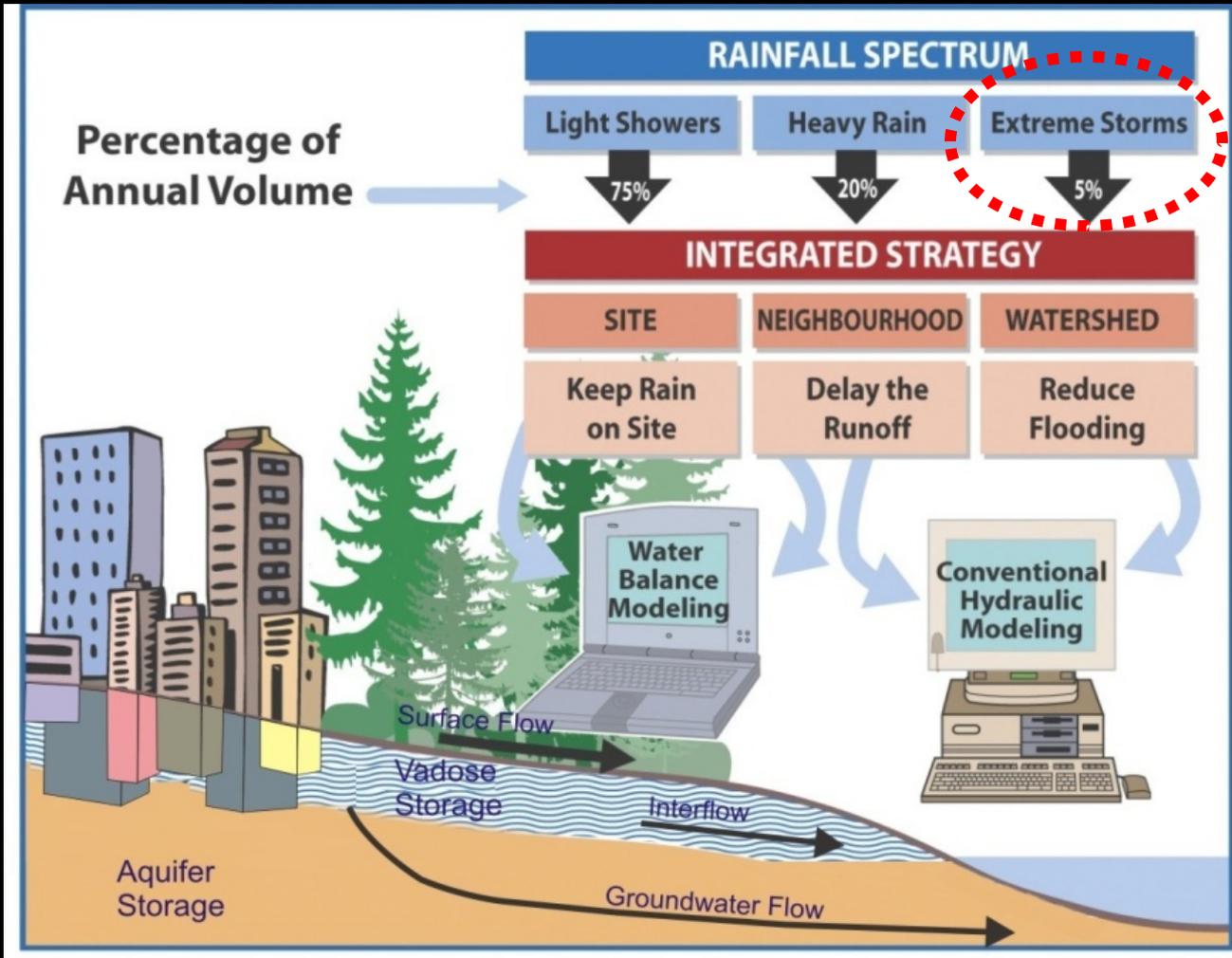
Web-based provincial tools enable Water-Centric Planning & Living Water Smart



OKIM
Okanagan Irrigation Management
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RAINwater Management is integrated and holistic



Stormwater Management is narrow in scope



The approach is bottom-up:
Change expectations and build practitioner capacity
by providing education and tools