



Sustainable Rainwater Management: Mimic the Water Balance to Protect Watershed and Stream Health!

A Seminar on Integrating the Site with the Watershed and Stream



Hosted by the Association of Professional Engineers and Geoscientist of BC
on September 19, 2013
and featuring District of North Vancouver and City of Coquitlam experience

To register, visit the APEGBC website: http://www.apeg.bc.ca/prodev/events/rainwater_management_sept2013.html

Seminar on Sustainable Rainwater Management: Mimic the Water Balance!

Program Overview

Modules & Themes		
A	What Everyone Should Know: An Introduction to Core Concepts	
8:30-9:00	Scope:	Introduce core concepts that underpin the mantra: <i>“Mimic the Water Balance”</i> .
	Educational Objective:	<i>Participants will have a common understanding of HOW water gets to a stream and WHY an ever-increasing building footprint is short-circuiting the Water Balance.</i>
B	Regulatory, Historical and Science Context for Looking at Rainfall Differently: Water Balance Methodology and Model	
9:00 - 10:00	Scope:	Explain why BC looks at rainfall differently. View through the regulatory, historical and science lenses
	Educational Objective:	<i>Participants will have a common understanding of WHY the Water Balance Methodology and HOW it is being implemented in British Columbia.</i>
C	District of North Vancouver: Hastings Creek Watershed Blueprint	
10:30 - 12:15	Scope:	Elaborate on how the Hastings Creek Watershed Blueprint will achieve this goal: <i>“After redevelopment, each site will function as it did before, or better!”</i> The Lynn Valley Town Centre redevelopment was the catalyst for early action by the District. The Blueprint is assembling the pieces that will achieve the vision for restoration of watershed function. It is GIS-enabled, interactive, and is already informing operational actions and current as well as future planning.
	Educational Objective:	<i>Participants will understand how to establish and implement performance targets for rainfall capture on sites and flow rates in streams</i>
D	City of Coquitlam: Integrated Watershed Management Plans	
1:00 – 2:30	Scope:	Elaborate on lessons learned by the City over the past decade in first securing and solidifying political support for a watershed/landscape-based approach to community planning; and then developing, implementing and adapting practical rainwater management applications that mimic the Water Balance.
	Educational Objective:	<i>Participants will understand what has worked and what did not.</i>
E	Water Balance Model Express & Drainage Infrastructure Screening Tool: Online Demonstrations	
3:00 – 4:00	Scope:	Lead the group step-by-step through applications of both web-based tools. Demonstrate how to do scenario comparisons.
	Educational Objective:	<i>Participants will understand the capabilities of the two web-based tools</i>
F	“Ah-Ha” Reflections	
4:00 – 4:30	Scope:	Participants will share ‘Ah-Ha Moments’ and describe how they will apply what they have learned.
	Educational Objective:	<i>Participants will be able to talk knowledgeably about protecting watershed health.</i>

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Quotable Quote:

"The output from a model-centric process is a report that mainly deals with hydrotechnical matters. These go on a shelf when local governments cannot afford to implement them. In contrast, the outcome of a landscape-based and action-oriented process is a truly integrated plan to restore watershed function over time. Agree on the vision. Set the targets. Provide planners with the detail necessary to guide site level decisions as opportunities arise. Then implement."

Jody Watson, Chair
Bowker Creek Initiative
October 2011

