



**the partnership
for water sustainability in bc**

Convening for Action in British Columbia

Water Balance Model Training Workshop

On March 1, 2012 from 0800 to 1200 hours

At the Power Concepts Computer Lab, Kelowna

Anyone can set up a TRIAL USER account. Just go to www.waterbalance.ca.
Those who register for the workshop are asked to set-up a Trial User account beforehand.



Integrating the Site with the Watershed and the Stream

Use Effective Green Infrastructure, Lighten the 'Water Footprint',
Achieve More at Less Cost, and Protect Stream Health

Water Balance Model Training Workshop

Integrating the Site with the Watershed and the Stream

<p>Abstract:</p>	<p>Sustainable Rainwater Management: What Does It Look Like?</p> <p>Land development practices and actions at the site scale can result in either cumulative impacts or cumulative benefits at the watershed scale. Hence, the unifying theme for the WBM training workshop is:</p> <p style="text-align: center;"><i>Sustainable Rainwater Management --- Integrate the Site with the Watershed and Stream to Protect Watershed and Stream Health</i></p> <p>The water balance methodology links rainfall to flows in the stream. The methodology addresses the interaction of runoff (both volume and duration) with the physical aspects considered important to the aquatic environment.</p> <p>The web-based WBM is a scenario comparison tool. It was developed as an extension of <i>Stormwater Planning: A Guidebook for British Columbia</i>. The WBM is used to assess performance targets for managing RUNOFF VOLUME and RUNOFF RATE.</p> <p>The workshop is in a computer lab and is hands-on. Participants will learn how to apply the WBM so that they can quantify the hydrologic effectiveness of green infrastructure practices, such as: absorbent landscapes, rain gardens and infiltration facilities.</p> <p>NOTE: Hosted by the Okanagan Basin Water Board, the WBM Training Workshop is a companion event to the FreshOutlook Foundation's <i>Building SustainAble Communities Conference</i>. The Sustainable Infrastructure Delivery and Sustainable Rainwater panel sessions on February 28th will provide context for the WBM workshop on March 1st.</p>
<p>Regulatory Context:</p>	<p>The WBM supports government's position as stated on p 43 of Living Water Smart, BC's Water Plan. This is the lynch-pin for a collaborative and consistent approach that aligns local government policies and actions with provincial and regional goals:</p> <p><input type="checkbox"/> <i>By 2012, all land and water managers will know what makes a stream healthy, and therefore be able to help land and water users factor in new approaches to securing stream health and the full range of stream benefits.</i></p>
<p>Instructors:</p>	<p>Kim A Stephens, P.Eng., Executive Director, Partnership for Water Sustainability Jim Dumont, P.Eng., Engineering Applications Authority, WBM Partnership</p>
<p>Structure for an Interactive Knowledge-Transfer Session</p>	
<p>Part 1 - What Do You Know? (First Hour)</p>	<p>Scope: Introduce core concepts and test the knowledge of the class re: rainfall spectrum, water balance methodology, stream erosion, stream health, and targets.</p> <p>Educational Objective: <i>Participants will have a common understanding of the "retain, detain, convey" integrated strategy, and the factors affecting stream health</i></p>
<p>Part 2 - What Do You Wonder? (Core 2½ hours)</p>	<p>Scope: Guide the class step-by-step through a case study application of the WBM at the SITE scale, and demonstrate how to do scenario comparisons.</p> <p>Educational Objective: <i>Participants will be able to use the WBM effectively to enter input data and generate outputs</i></p>
<p>Part 3 - What Have You Learned? (Last ½ hour)</p>	<p>Scope: Ask the class to share their 'Ah-Ha Moments' and how they anticipate applying what they have learned in order to: build effective green infrastructure, lighten the 'Water Footprint', achieve more at less cost, and protect stream health.</p> <p>Educational Objective: <i>Participants will understand the capabilities of the WBM to evaluate rainwater source controls and how to achieve performance targets</i></p>