

Presentation to Delta Municipal Council
December 2015

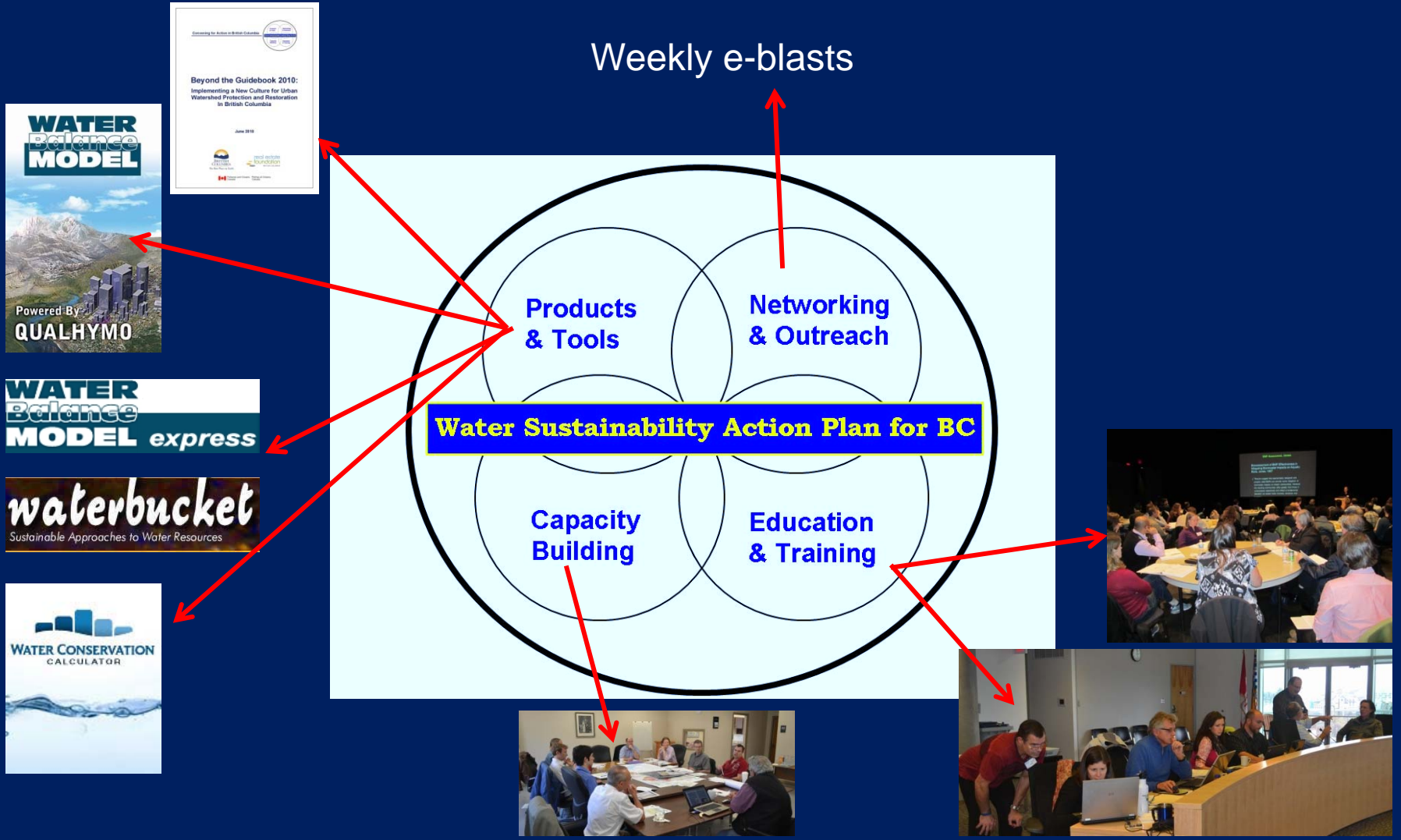
Rainwater Management in a Watershed Sustainability Context:

Delta is a leader by example

Kim A Stephens, M.Eng., P.Eng., Executive Director



OUR MISSION: Develop Tools. Develop Talent. Focus on Outcomes



Local governments learn from each other and progress through sharing of case study experience



the partnership
for water sustainability in bc
IREI - Inter-Regional Education Initiative



Creating the Future in *The Corporation of Delta*: Rain Gardens Help Restore Nature to Urban Areas

Integrating the Site with the Watershed, Stream and Groundwater Aquifer



January 2015

*This publication is the 4th in the Partnership's
"Watershed Blueprint Case Profile Series"*

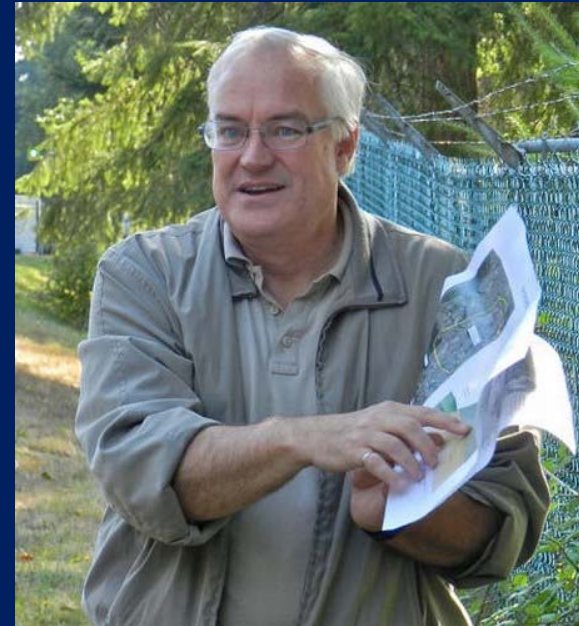
By telling the stories of those who are spearheading changes in practice, this helps other local governments eliminate the *“disconnect between information and implementation”* that may otherwise hold them back.

“Learning by Doing” – Delta’s Rain Garden Program

“Storm Water Management innovation in BC is the result of not being overly regulated.

Establish sound principles. Apply them.
Adapt to the specific site conditions.

Do not be too prescriptive, it may take away the opportunity for innovation.”



Hugh Fraser, P.Eng.
Deputy Director of Engineering

*“Learning by Doing” –
Delta’s Rain Garden Program*

“On every project, we try something different. Each time we learn something new from experience, and the next time we apply that experience.

In short, Delta’s design process is one of continuous improvement.”



Sarah Howie, PhD.
Urban Environmental Designer

*“Learning by Doing” –
Delta’s Rain Garden Program*

“The program came about through a fortunate confluence of personalities, interests and skills – it is not something that a community can necessarily just decide to do, and presto, it happens.”



Deborah Jones
Rain Gardens Coordinator

Delta's rain garden experience is informing the Georgia Basin Inter-Regional Educational Initiative (IREI)...



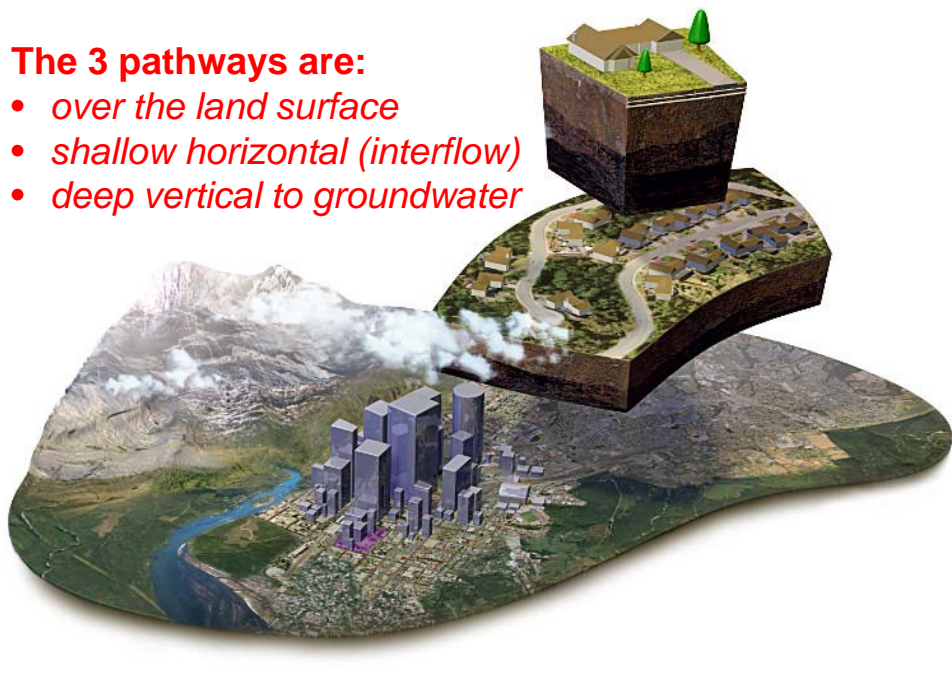
*Metro Vancouver, Capital Region,
Cowichan Region, Nanaimo Region
and Comox Valley*

- Launched in 2012
- Five regional districts are partners
- The Partnership is the secretariat
- In April 2015, the five Regional Boards recommitted through 2017 to work as a team
- ***By 2017***, a program goal is that all local governments would *understand* how to achieve '***Sustainable Watershed Systems, through Asset Management***'

INTRODUCING THE NEW PARADIGM – “Watersheds as Infrastructure Assets”

The 3 pathways are:

- *over the land surface*
- *shallow horizontal (interflow)*
- *deep vertical to groundwater*



A watershed is an **integrated system**.

The **three pathways** by which rainfall reaches streams are ‘infrastructure assets’.

The three pathways provide ‘**water balance services**’.

The Partnership for Water Sustainability in BC is
pleased to recognize the Corporation of Delta as a
Champion Supporter

“Delta’s long-term commitment is helping the
Partnership advance the vision for water
sustainability through implementation of
green infrastructure policies and practices.”

Ted van der Gulik
President

