

BCWWA Annual Conference
Held at Whistler, BC

**“Facing the Future:
The Science and Politics of Water
in an Age of Climate Change”**



Keynote Address by Robert Sandford
April 27, 2008

BCWWA – CWRA – AWMA

Climate Change Workshop

Whistler, BC

April 30, 2008

Context

- “Documentary: Adapting to Climate Change in Metropolitan Vancouver”
 - Rick Searle, EKOS TV
- “What is, and What will be Happening to Climate in BC”
 - Greg Flato, Intergovernmental Panel on Climate Change (IPCC)

Collaboration

**“Report from the
CWRA-AWMA Symposium”**

Brian Fast
CWRA - AWMA

Climate – What is Changing?

- **“National Vulnerability Assessment”**
 - David Lapp, Engineers Canada
- **“Precipitation, Collection, Storm Shapes, Intensity Frequency Curves (IDF)”**
 - Bob Morris, Environment Canada
- **“Changing Precipitation Patterns in BC”**
 - Katrina Bennett, UVIC – Pacific Climate Impacts Consortium
- **“Sea Level Rise in BC – Now and in the Future”**
 - Mike Church, UBC Department of Geography

Case Studies – What is Happening on the Ground

- “Seattle’s Experience – Extreme Precipitation and Drainage Systems”
 - Gary Schimek, Seattle Public Utilities
- “Impact of Climate Change on Wastewater Collection and Treatment Systems in Vancouver”
 - Andrew Boyland, Kerr Wood Leidal Associates
- “City of Olympia’s Experience and Action – Sea Level Rise”
 - Michael Mucha, City of Olympia

Conclusions – What Next?

Panel Discussion

Facilitated by
Eric Bonham, BCWWA

CAVI – Convening for Action on Vancouver Island Leadership in Water Sustainability



**Creating Our Future:
The New Business As Usual**
Visualize What We Want Vancouver Island to Look Like in 50 Years

A 'Design with Nature' approach to community design means...



- Develop compact, complete communities
- Increase transportation options
- Reduce the loads on water, waste and energy systems
- **Protect and restore urban 'green' space**
- **Strive for a lighter 'hydrologic footprint'**
- **Achieve higher levels of receiving water protection**

**In conclusion,
we can create our future
if we keep in mind that...**

To get to the big picture...
start with the smallest pieces

To deal with uncertainty
and manage risk....
build resiliency incrementally

Partnerships



Langford

