

## **The Future of Water Workshop Series 2009 Engaging Youth on Water Issues OUTPUT REPORT**



Water and Agriculture in the Okanagan Valley  
Residential Workshop September 11<sup>th</sup> – 13<sup>th</sup>, 2009, Okanagan Valley,  
British Columbia

### Workshop Highlights

- 18 participants from the University of Victoria, Simon Fraser University, University of British Columbia, Department of Indian and Northern Affairs, Engineers Without Borders, Public Works and Government Services Canada, the Okanagan Nations Alliance, Homestead Farm, Science Opportunities for Kids, WildSight, Regional District of Central Okanagan, Cowichan Green Community, Okanagan Tree Fruit Cooperative, and Katimavik
- Dialogue on key water issues facing the southern Okanagan Valley watersheds, including land use and water planning, governance, and local action and leadership
- 7 speakers/mentors from Environmental Law Centre at the University of Victoria, BC  
Ministry of Agriculture and Lands, Lower Similkameen Indian Band, Okanagan Basin Water Board, Okanagan Basin Water Board Advisory Committee, McCoubrey Orchards, POLIS Project on Ecological Governance
- 2 site visits to different fruit orchards in the Okanagan Valley including McCoubrey Orchards

## **Purpose of the Programme**

Nestled under snow-capped mountains in one of the warmest regions in Canada, the Okanagan Valley is home to over 300,000 British Columbians and has the lowest per capita availability of freshwater in Canada. Increasing development pressures, a booming tourism industry, and an agricultural sector that produces a quarter of the province's agriculture while gobbling 70 percent of the region's water has meant that 9 out of 10 streams in the Okanagan are at or beyond their licensed capacity for water withdrawal.

The purpose of the fall 2009 Waterlution/POLIS workshop *Water and Agriculture in the Okanagan Valley* was to explore agriculture through a water lens in British Columbia's agricultural heartland and Canada's driest watershed. The workshop explored tools and practices in the agricultural sector in the South Okanagan Valley that can help with the establishment of integrated and ecosystem-based management at the watershed level.

Guiding questions included:

- How will water availability and demand in the agricultural sector evolve over the next several decades?
- How will this affect food production and the availability of water for other ecosystem purposes?
- What is the relationship between sustainable agriculture, smart urban growth, and environmental demands that link water stewardship policies to matching urban water conservation efforts?

## **Friday, September 11<sup>th</sup> – Introduction and Big Picture Thinking**

The workshop began on Friday evening at the Silver Lake Forestry Education Centre, approximately 60 kilometers south of Kelowna, BC.

After dinner and some informal socializing, the group convened in the main lodge at Silver Lake. Waterlution Associate and POLIS Project Community Water Coordinator Susanne Porter-Bopp kicked off the weekend by outlining the goals of the workshop:

- To learn from our peers working in the water world – it's important to recognize the value of diversity of perspective among colleagues working across sectors
- To explore the importance of intergenerational learning – we need more than one generation to solve today's problems
- To learn about the relationship between food production and the availability of water for ecosystem and other purposes

## **Opening Circle**

The group settled into the opening circle and each participant was asked to explain who they are, why they were motivated to attend the workshop and to describe their favourite water-related expression.

The group was also introduced to the workshop's co-planners and co-hosts, including:

- Weekend “resident mentor” **Deb Curran**, Director of the University of Victoria’s Environmental Law Centre and creative and spark of the workshop
- **Karen Kun**, Director of Waterlution

See pages 9 to 14 for Participant, Mentor and Waterlution Associate biographies

**Presentation #1: “The Big Picture”**

**Deborah Curran, Director, University of Victoria Environmental Law Centre**

Deb drew from her varied background in the areas of smart growth, land development and urban sustainability to talk about the importance of balancing growth and ecology in the Okanagan Valley.



Resident mentor Deb Curran addresses the group

Deb began by carefully outlining how water is managed and allocated in British Columbia from a legal perspective, noting that we have not changed the way we manage water since 1914. She pointed to a central theme that returned throughout the weekend: under the current licensing system there is no incentive for users to conserve water because if the full volume of the license is not used essentially “you lose it.”

Deb then outlined 9 points to think about re: water in BC: 1) Aboriginal rights and title; 2) watershed scale coordination; 3) Instream flows; 4) Regulation of groundwater; 5) priority of uses; 6) technical data needs; 7) adaptive management mechanisms; 8) monitoring and enforcement; 9) water governance

The session ended with an animated group discussion of how to prioritise water uses between multiples uses and users. How we deal with the allocation and management of resources is a governance issue and we need our government mechanisms to be flexible and allow for innovation. As a society we are entering the “era of responsibility” and that means that government, stewardship groups and individuals need to take responsibility for what happens to our ecological systems. Ultimately, how do we communicate the changing role of government and maintain capacity?

## Saturday, September 12<sup>th</sup> – Morning Presentations

### **Presentation #2: Agriculture and Water and the Irrigation Demand Calculator**

**Ted van der Gulik, Resource Management Branch, BC Ministry of Agriculture and Lands**

Ted opened the day at 8:30AM with an overview of water issues for BC's agriculture, including Living Water Smart, the Okanagan Sustainable Water Strategy, and also picked up on Deb Curran's Friday night talk on water regulation in BC. Ted highlighted 2 ways to save water in agriculture in BC: 1) convert older inefficient technology to more efficient technology; 2) manage irrigation water more efficiently. He also



Ted van der Gulik talks about water issues in BC's agricultural sector

pointed to the significance of saving water in the Okanagan and the potential conflicts between domestic use and agricultural use. For example, the same amount of water (60 million m<sup>3</sup>) can serve 300,000 people or over 22,000 acres of agriculture.

Ted concluded with a summary of the Irrigation Demand Model, a calculator developed by the MAL that is targeted at growers, and also landscapers and to calculate appropriate irrigation use and needs. <http://www.irrigationbc.com/>

### **Presentation #3:**

#### **Nelson Jatel, Water Stewardship Director, Okanagan Basin Water Board**

Nelson opened by introducing the Okanagan Basin Water Board. The Okanagan Basin Water Board (OBWB) was initiated in 1968 (legislated in 1970) as a water governance body tasked with identifying and resolving critical water issues at the scale of the Okanagan watershed. The Board of Directors includes representatives from the three Okanagan regional districts, the Okanagan Nation Alliance, the Water Supply Association of BC and the Okanagan Water Stewardship Council – a multi-stakeholder group established by the Board to provide independent science-based advice on water issues.

Nelson then provided an overview of the region and how it's currently facing a significant "growing pain" over the past few years. This rapid growth has put extreme pressure on services such as water and wastewater and has intensified competing uses over land and water resources. The OBWB is working to make sense of it all and work with all stakeholders despite limited finances and human resource capacity. He also pointed to the Okanagan Sustainable Water Strategy, an action plan prepared by the Okanagan Water Stewardship Council earlier this year.

These complex and overlapping planning processes raise a number of important questions: How can these various plans/strategies be best integrated? What role will water play in growth management? The discussion following Nelson's presentation

touched on the question of how the concept of ecological governance can be reconciled with the reality of these strategies.

### Afternoon Tour

After the morning's presentations, participants gobbled their lunches as the group carpooled to meet grower Bob McCoubrey at McCoubrey Organic Orchards just outside of Winfield. Bob showed us how he transformed some of his small-scale orchard to drip irrigation in order to use less water. After walking around the orchards, Bob gathered the group in the cool shade of his patio and treated us to some freshly squeezed apple juice and apples, pears and plums.

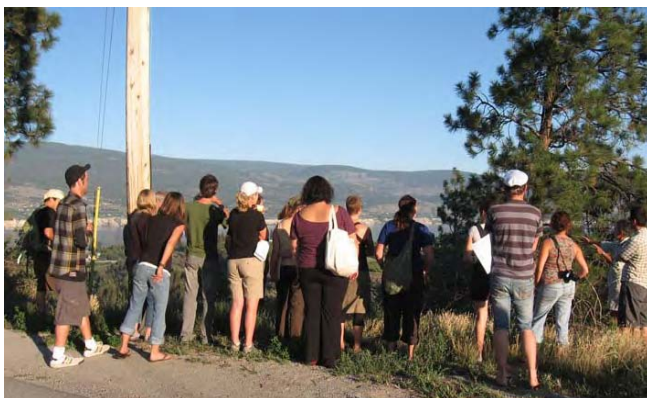


Bob McCoubrey shows the group the fruits of his labour

A former mayor of District of Lake Country, Bob has done a lot of thinking about the related issues of growth, climate change and water supply and usage. Bob spent some time speaking with the group about the need for a directly elected body be established to handle regional issues such as water, air, transportation and land use planning; and that the region should be defined according to ecological principles, the Okanagan watershed being the obvious starting point. He sited the Metro Portland Oregon regional government model is a good example

<http://www.oregonmetro.gov/index.cfm/go/by.web/id=24270>

After the discussion, the group thanked Bob (some of us even bought some pears!) and piled back the cars and headed toward Summerland.



Just outside of Summerland we met up with Lorraine Bennest, grower and orchardist and former Councillor for Summerland, and Hans Buchler, grape grower and Chair of the BC wine grape council. Lorraine and Hans talked about agriculture's place in the future of the valley and its water resources and suggested that farmers will be an essential but equal partner with all other water users in the future,

whose needs must all be considered and provided for. They also brought up the current water allocation regime in BC and pointed to the way in which it provides disincentives for farmers to save water, particularly in areas where encroaching development is an issue. Lorraine also suggested that local participants join the

Okanagan Basin Water Stewardship Committee.

### **Dinner and Evening Session**

After a great dinner of pierogies and veggie burgers back at Silver Lake, the group settled into the evening's session with Carrie Terbasket, Environmental Manager, Lower Similkameen Indian Band. Carrie told a number of stories about growing up in the Lower Similkameen Valley and the role that different kinds of knowledge play in making decisions about how land should be used and stewarded. She pointed to the complexity of unceded territory of the Okanagan First Nations Alliance, and how should the Alliance regain title to its territories this would have significant implications on existing water "rights." The group was really inspired by Carrie (and her daughter, special guest Maddy!) and the question of how to be an ally with the Alliance was the most well attended open space session on Sunday.

### **Sunday, September 13th Morning Session**

After a relaxing breakfast at the Silver Lake, Susanne kicked off the final day of the workshop with a listening exercise and a team-building exercise. The rest of the day was spent in Open Space sessions.

#### **Open Space**

The Open Space session was an opportunity for participants to set the agenda themselves, and allow them to continue

dialogue on issues most important to them or to bring up issues that had not yet come up. Participants proposed their questions, formed their own groups and picked their discussion locations at Silver Lake.



Brainstorming on the dock at Silver Lake Forestry Centre

Susanne reminded the group of the main elements of Open Space:

- Whoever comes are the right people
- Whatever happens is the only thing that could've
- When it starts is the right time and when it's over it's over

Discussion Sessions included:

Does water conservation in the Okanagan necessarily entail moving away from the export of food crops?

- How much water do we actually import? (ie in the form of cattle, grain)

- Are we net importers or exporters of water?
- Need incentives for farms to specialize in food for our region that is less water-intensive
- Transition communities – reduce reliance on fossil fuels
- Long-term view of distribution system

How to learn to be allies with the Okanagan First Nations? What education resources do we have? How do we get involved?

- Recognize that there is different knowledge
- Unify the two (or more?) systems when discussing issues
- Look at the education system and what is taught about aboriginal groups and interests
- How to develop partnership? Push the bigger picture by starting with small steps on private development land uses
- Definition of boundaries is a Western mechanism

Do we need more regulations or can we self-manage?

- How can we reconcile the problem of governing water and land from for off centralized government?
- Maybe we need provincially-appointed moderators to speak for regional points of view
- Fines and enforcement are essential for maintaining proper water allocations
- Guidelines are important for peer pressure regardless of

enforcement – education is an important component

- Government has an important role to play in data collection and funding for data-gathering equipment
- How much consultation is enough? Need balance of loud and soft voices



Group leadership exercise on Sunday morning

Is there enough?

- Under climate change will there be enough water? It depends on which path we choose. What do we assume?
- How can we make tourism and export industry more sustainable? Diversify crops, intercropping...
- How do we translate science and policy into best practice? Intersectoral communication is a start

## **Closing Circle**

After lunch with a bunch of buzzing wasps, the group gathered at the beachfront at Silver Lake to gather in a closing circle. Participants' closing thoughts included:

***“Box people at your own peril – think beyond silos!”***

***“It’s up to everyone to influence the public service – either from the inside or the outside.”***

***“Everyone has knowledge – no one is more of an expert than another.”***

***“I appreciated learning more about local initiatives and what’s happening at the grassroots level – especially through different growers’ perspectives.”***

***“My Master’s degree was very focused – it was nice to come back to the bigger picture and look at what people are at the table and what that table looks like.”***

***We’re in good hands – we ARE good hands!”***

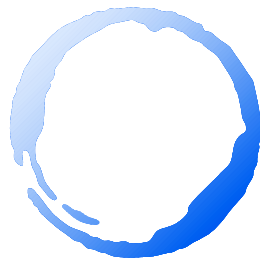
### Appreciation

Waterlution is grateful for the generous support of the Royal Bank of Canada’s Blue Water Project for making much of this workshop possible

Thanks to Silver Lake Forestry Board members for loaning us sleeping bags and pillows.

Special thanks to Bob McCoubrey for ongoing guidance and support throughout workshop development.

Special thanks to the many speakers, mentors facilitators, and guests (see *Who Are We?*) who joined us throughout the weekend.



**RBC  
Blue Water  
Project™**

## Who Are We? Participant Biographies

### **Jolan Bailey**

Although I grew up in the Okanagan Valley, I have been away for five years studying Environmental Studies and Economics at the University of Victoria. Moving from Victoria back to Kelowna, I have been reminded of the shocking water use that allows golf courses and vineyards to flourish in a semi-arid desert ecosystem. Studying Environmental Studies and Economics simultaneously allowed me to understand two discourses that are frequently in conflict, and gave me practice communicating economic ideas to people from environmental backgrounds (and vice versa). Volunteering outside the classroom with Common Energy UVic, a campus-based network working to help UVic move beyond climate-neutral, I gained valuable practical skills to complement my academic training. Through Common Energy, I had opportunities to engage in collaborative research, participate in community outreach and environmental education campaigns, and facilitate meetings and events.

### **Jen Bonkowsky**

**BA Candidate, UVic; Public Works and Government Services Canada, Engineers Without Borders**

I am currently employed by Public Works and Government Services Canada at the Esquimalt Graving Dock in Victoria BC and am working towards a freshwater management system for operations at the ship yard to reduce the total amount of freshwater that is currently used in BC's shipping industry. This series of workshops is of particular interest to me because I am the Co-Vice President of School Outreach in Victoria for Engineers without Borders and travel to schools throughout Victoria, the Gulf Islands, and Vancouver Island to discuss the issue of global water supplies with students in a presentation called *Water for the World*. I am also a fourth year Geography student at the University of Victoria focusing on resource management and development; particularly on small scale agriculture, water resources, and rural food security.

### **Mark Brown**

**BSc Candidate, University of Victoria; Engineers without Borders**

I am a member of Engineers Without Borders Canada and I was on placement from May until August 2008 in Zambia working with a small-scale farmer group. I was fascinated by the farmers' ability to utilize and redistribute water from springs to irrigate their crops. I am also a fourth year geosciences student at the University of Victoria and I have completed courses in hydrology and hydrogeology.

### **Skyeler Folks**

**Fisheries Biologist, Okanagan Nation Alliance**

Currently I am a fisheries biologist employed by the Okanagan Nation Alliance in Penticton B.C. I am of Gitksan heritage born and raised on the Skeena River in Northwest British Columbia. Inherently water issues, in particular fisheries have been of keen interest to me. Having been academically trained in the Freshwater Science program at UBCO, and now employed in the Okanagan Valley conducting fisheries conservation work my exposure to water issues in the Okanagan Valley has been both varied, and ongoing.

**Jason Gray**  
**Manager, Homestead Farm**

I'm currently employed as the manager of the Homestead Farm – an organic fruit and vegetable farm – in Peachland, BC. I'm also a part-time employee of Working Horse Winery that is also located in Peachland. Sustainable agriculture has been a keen interest of mine for the last twenty years. From my first teenage experiences as a volunteer on organic farms in the Montreal, Quebec, my passion for ecological agriculture has persisted throughout the attainment of a degree in agroecology from UBC and it continues today as I'm an articling agrologist with the British Columbia Institute of Agrologists.

**Tolmie Greaves**  
**Science Opportunities for Kids (SOKS) Waterscapes Program Facilitator**

I am an eco-Canada intern working for the Central Okanagan Science Opportunities for kids facilitating their waterscapes program. This is a new position where I will be facilitating education about important environmental issues such as water conservation and global warming to elementary school aged children. We will be working in conjunction with a local artist and local school districts. The objective is to lead the students in field observations and lessons which will be followed by an individual art project based on how the experience has impacted each one of the participants.

**Kirsten Harma**  
**MSc Candidate, IRES, UBC**

I've been working on a research project which involves water balance modeling, with a case study area as the Trout Creek watershed /Summerland water district in the Okanagan. I am planning on using a computer-based model to look at a few scenarios of what may happen to water supply under climate change and land use change (mostly due to pine beetle an associated harvest), and how those changes might interact with potential scenarios for increasing/decreasing water demand in the valley. One of the reasons I was interested in having my case study be in the Okanagan is that the region seems particularly progressive in terms of understanding the threats to its freshwater systems, and on taking action to protect those systems.

**Heather Leschied**  
**Program Manager, Lake Windermere Project Wildsight**

My educational background includes an Hons. Bachelor of Environmental Geography degree and certificate in Environmental Resource Management from Lakehead University in Thunder Bay, Ontario. I have been a Program Manager with Wildsight, a non-government environmental organization based in the Columbia and southern Rocky Mountain region of British Columbia since 2007. I manage the multi-stakeholder water stewardship initiative, Lake Windermere Project, which represents the interests and actions of more than a dozen partners, including all levels of Canadian government, area Non-Government Organizations and the public. The project emphasis is the protection and enhancement of the quality of the Lake Windermere watershed by means of inter-agency cooperation, scientific water quality monitoring and through public education.

**David Leung, B.Sc.**

**Environmental Specialist, Indian and Northern Affairs**

I've been tasked with identifying the process and policy relating to watershed management in key areas of the Okanagan for developments on First Nations land. A discussion on agricultural water use in the Okanagan would greatly enhance my ability to make informed environmental decisions. I am also interested in having a conversation with workshop participants regarding the agricultural needs south of the border as developments such as the Shanker's Bend Dam Proposal by the Okanagan County Public Utility District could have potential affects to the Okanagan-Similkameen Valley on Canada's side of the border. I come to this workshop with a Bachelor of Science in Biology with a Minor in Philosophy. Through my professional career, I have worked with Metro Vancouver (formally GVRD) and BC Hydro addressing water and resource management concerns with the public.

**Cailan Libby**

**Apprentice Industrial Electrician, Regional District of Central Okanagan**

I have been working for the Regional District of Central Okanagan for the past two years; doing electrical work on the water and wastewater systems. I bring with me a view from the public works sector, as well knowledge of some of the current water systems in operation around the Okanagan valley.

**Marnie Newell**

In 2007 I chanced upon the Central Okanagan Science Opportunities for Kids Society and quickly started up work facilitating a new water outreach program called *Okanagan Waterscape: Unraveling the Myth of Abundance*. This was an extremely educational and inspiring experience for me. I researched and collaborated in order to greatly widen my understanding of water related issues and solutions. I was able to lead presentations and events reaching over 500 Okanagan residents with statistics, maps, activities, and ideas related to our watersheds and water consumption. I am currently volunteering with Vancouver's Environmental Youth Alliance to put together a workshop for high school students on food security. I am also planning to increase my food issues repertoire by taking in some of the recent films that have come out on the topic. I am also an avid promoter of the WWOOF program, which I have been a part of in both Canada and France.

**Mandy Ross**

**Organic fruit and vegetable farmer**

I have worked on an organic vegetable farm near Kamloops for the last two summers and on an organic fruit orchard in the Similkameen the summer before, so water and agriculture are always on my mind as I spend my days in green fields surrounded by desert-brown hills. There my partner and I have set up a small irrigation system (recycled from the farm I work on) to water at the optimal time and in the most efficient manner. My education and work experience have been mostly related to forest ecology, forestry and some agroforestry, so I have been trying to round out my knowledge by attending workshops like this.

**Natalie Rosso****Project Coordinator, Cowichan Green Community**

I have been involved in several water sustainability initiatives while working/volunteering in both the public and private sectors. My passion lies in educating communities and farmers on water conservation initiatives and techniques on water harnessing. Presently, I am working for a non-profit organization called Cowichan Green Community (CGC) situated in one of the most productive agricultural zones on Vancouver Island. CGC focuses on agricultural issues such as food security and food sovereignty to create resilient and healthy communities within the Cowichan Valley. One of CGC's mandates is to educate and re-skill the community on an array of topics that involve urban agriculture, food preservation, and permaculture design. I am very interested in attending The Future of Water Workshop Series 2009, in order to gain important tools and techniques about water conservation and in turn share that knowledge with local farmers and community members.

**Molly Thurston****Horticulturist, Okanagan Tree Fruit Co-operative**

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As a horticulturist and a young farmer, I am particularly interested in water issues and how they relate to the future of our agri-food system in the Okanagan. This year I experienced first-hand the impact that a reduced snow-pack has on our Valley's agricultural sector. With the reduction of water allocations in the South East Kelowna Irrigation District, several of my growers exceed their allocated water by the beginning of August. I hope to gain better insight into how water is distributed throughout the Valley and how it is allocated to each of the stakeholders.

**Alex Valoroso****Project Leader, Katimavik**

I am a recent mature graduate with a degree in International Development Studies from Trent University (2008). My focus is in community development and working with the local environment / community in an attempt to bring about sustainable and desired change. I work with youth from across Canada and think this would be a great opportunity to inform the participants of what is happening in this region and how their actions can impact certain dynamics.

**Suhail Zokaib****MSc Candidate (Civil Eng.), UBC Okanagan**

I'm specializing in Water Resource Management. Sharing ideas about water resources in the Okanagan Valley and the impact of climate change on resources in the workshop will help me to plan a future research program. I am planning to work on Okanagan water resources for my MSc thesis. Since November 2000 to 2006 I had been engaged as Hydro-Meteorologist in People and Resource Dynamics Project (PARDYP), Pakistan. PARDYP was a watershed management research project and was implemented by International Centre for Integrated Mountain Development (ICIMOD) in Hindukush-Himalaya (HKH) region, in China, India, Nepal and Pakistan to generate hydro-meteorology and soil erosion data base in the region.

## **Mentors**

### **Deb Curran (Resident Mentor)**

#### **Program Director, Environmental Law Centre, UVic**

Deborah Curran has a decade of experience working in the areas of smart growth land development and urban sustainability. She provides legal advice to local governments and community organizations interested in implementing smart growth. She offers a broad spectrum of legal and planning expertise.

Deborah teaches Municipal Law at the University of Victoria in the Faculty of Law and has supervised students at the Masters and undergraduate levels at the University of British Columbia (Department of Community and Regional Planning) and Royal Roads University (Environmental Science).

Deborah is a co-founder of Smart Growth BC and served as the president of the board for five years. Deborah has served on a number of ad hoc committees advising on projects, including for the Greater Vancouver Regional District, Evergreen Canada, and the Victoria Foundation. She is a past member of the City of Victoria Advisory Planning Commission.

Deborah received a B.A. (Hons.) from Trent University, an LL.B. from the University of Victoria, and an LL.M. from the Boalt Hall School of Law at the University of California at Berkeley.

### **Ted van der Gulik**

#### **Senior Engineer with the Sustainable Agriculture Management Branch**

A 1977 graduate of the University of British Columbia, his career in government with the Ministry of Agriculture and Lands spans almost 30 years. He is the Senior Engineer with the

Sustainable Agriculture Management Branch. When the topic is water in BC, invariably it seems that Ted van der Gulik is at the table.

Ted was recognized by the [British Columbia Water & Waste Association](#) at its 2009 Annual Conference with the Bridge Building Award. This award recognizes individuals who help build linkages between BCWWA and other groups.

Mike Nolan, BCWWA President said when presenting Ted with this award: "Ted is a visionary and an innovator. He says what he means, he means what he says, and he makes things happen. His success is founded on the principle of asking for forgiveness rather than begging for permission. While others talk, Ted does," stated.

His accomplishments include the Water Balance Model, the Water Bucket Website, and the Irrigation Scheduling Calculator. His creative work in the Okanagan regarding 'state of the art' irrigation practices and his many other achievements in agriculture over the years establishes him as a true leader in the water industry.

**Nelson Jatel****Water Stewardship Director, Okanagan Basin Water Board**

Nelson works with the Okanagan Water Stewardship Council to develop practical solutions that reflect the best available science, innovative policy and consensus approaches. Nelson has a background in freshwater science and was previously the Executive Director of the Okanagan Partnership. In his spare time, Nelson and his wife Monika manage their family vineyard in Naramata.

**Bob McCoubrey**

Bob was born and raised on an orchard in Winfield, next door to the 8 acre property he and his wife Sharon have owned since 1974. They have grown certified organic tree fruits and vegetables, specializing in pears, since 1989. Bob has served on the Executive Boards of the North Okanagan Organic Association and the Certified Organic Associations of BC; and was the first Mayor of the District of Lake Country. During the 35 years he has been actively involved in agriculture, he has served in board positions on his local of the BC Fruit Growers Association, the Winfield and Okanagan Centre Irrigation District, and other community organizations. He has worked as an Organic Verification Officer and is a former Director of the Investment Agriculture Foundation of BC. Bob currently sits on the District of Lake Country's Agricultural Advisory Committee.

**Hans Buchler**

Grape grower  
Chair of BC Wine Grape Council  
Sits on the OBWB stewardship steering council

**Lorraine Bennest**

2nd generation orchardist  
Former director with OBWB  
Former councillor for Summerland

**Carrie Terbasket**

Environmental Manager, Lower Similkameen Indian Band

**Karen Kun**

Director, Waterlution – A Water Learning Experience

**Susanne Porter-Bopp**

Community Water Coordinator, POLIS Project on Ecological Governance and Waterlution Associate