



**Annual Conference, AGM, Sponsors Trade Show  
&  
Operator Training**

**“Managing for Water Supply Uncertainty”  
November 17<sup>th</sup>, 2022**

**WELCOME**  
**Every Member This is Your Organization!**

**It is recognized that the conference is occurring on the  
Territorial Lands  
of the  
Snuneymuxw First Nation**

The Snuneymuxw are a vibrant First Nation of the Coast Salish People, located in the center of Coast Salish territory on the eastern coast of Vancouver Island, the Gulf Islands, and the Fraser River in the Canadian province of British Columbia

We gratefully acknowledge the support of the Province of British Columbia through the Ministry of Municipal Affairs.

Thank you to our Members & Associate Sponsors for this year’s conference!





**2022 CWSA Annual Conference, AGM, & Sponsors Trade Show**  
**“Managing for Water Supply Uncertainty”**  
**Administration Workshop Program- Nov 17<sup>th</sup>**

**8:30 am**                      **Arrival & Coffee**

**9:00 am – 9:15 am**        **Welcome and Introductions**

**9:15 am – 10:00 am**    **Joint Presentation by: Jim Fyfe, President, Fyfe Well & Water Services, a Division of Fyfe Holdings Ltd., Qualicum Beach, BC, and Ineke Kalwij, President, Principal Hydrogeologist and Engineer, Oceanside Hydrogeology Ltd., Parksville, BC**

*“Practical Considerations for Development of Groundwater Sources”*

**10:00 am – 10:45 am**    **Ineke Kalwij, Board Member, The Groundwater Project, Guelph, ON.**

*The Groundwater Project - An Online Evolving Platform for Groundwater Knowledge & Learning. “Groundwater Project ([gw-project.org](http://gw-project.org))”*

The Groundwater Project is a non for-profit Canadian Organization with a mission promoting groundwater learning. The Groundwater Project provides accessible, engaging, high-quality, educational materials, free-of-charge online in many languages, to all who want to learn about groundwater and understand how groundwater relates to and sustains ecological systems and humanity. Our current effort is focused on producing online books that have undergone rigorous reviews and editing.

**10:45 am – 11:00 am**    **Coffee Break & Sponsors Trade Show Exhibit**

**11:00 am – 11:45 am**    **Jeff Spencer, Technical Sales Manager, BI Pure Water Inc., Custom Engineered Treatment Systems**

*Comparing The Various Small System Water Purification Technologies And How To Select What's Best For You.*

**11:45 am – 12:45 pm**    **Midday Break & Sponsors Trade Show Exhibit**

**12:45 pm – 1:15 pm**     **Annual General Meeting & Elections**

**1:15 pm – 1:45 pm**        **Stacey Sowa, CPHI(C), B.Sc, B. Tech, Drinking Water Coordinator, Island Health**

*Manganese Guidelines*

Update to the MAC and AO for Manganese

This presentation provides an update on the Guidelines for Canadian Drinking Water Quality - Manganese guidance was updated in 2019. Manganese is now linked to health impacts and a maximum acceptable concentration has been established. The presentation will cover the background on manganese, the health effects, what can drinking water systems do to monitor and mitigate the risks, and what is Island Health's action plan.

Stacey Sowa is Island Health's Drinking Water Coordinator. Stacey has experience as a field inspector working with First Nations and Inuit Health Branch (Health Canada), Manitoba Health, and Island Health. In her roles with the federal government and Island Health, she has built a broad knowledge base on drinking water systems, risks to drinking water, and the mitigation steps needed to protect public health.

**1:45 pm – 2:15 pm      Kim Eames, Director of Operations, Environmental Operators Certificate Program (EOCP)**

*What is New with EOCP*

An overview of what is new with the EOCP over the last year. EOCP certifies the water and wastewater Operators and classifies the system that they work in. We will be having a look at what is new with the EOCP over the last year.

Kim Eames is the Director of Operations for the Environmental Operators Certification Program (EOCP). She has been part of the team since 2003. Something that may be of interest to you is that she processes the level 1 to 4 exam applications. Kim thinks it is a privilege to be part of such an important industry.

**2:15 pm – 2:45 pm      Coffee Break & Sponsors Trade Show Exhibit**

**2:45 pm – 3:30 pm      Jim Kipp, Emergency Preparedness Consultant and Emergency Operations Specialist**

*Emergency Management 101*

Review, Response and Recovery - Facts, Fun, Fresh!

**3:30 pm – 4:00 pm      Chair Larry Dawe, Cdr (ret'd) RCN, MBA Dal, BA RMC**

*Why go to Trouble of Doing Project Management?*

Classes of estimates; Work breakdown analysis; Critical path analysis/networking; Gantt charting

Larry's background extends from career naval officer specialising in sea operations and weapons; computerised command and control system development; large project (ships) project management; emergency program coordination - Sooke & Mid-Island emergency coordinators' and managers (MIECM) group; and water improvement district trustee.

**4:00 pm - 5:30 pm      Sponsors Trade Show Exhibit - Wrap-up & prizes**