



Drinking Water Safety

Dr. Fatemeh Sabet, Medical Health Officer
City of West Kelowna Council Meeting
June 10th, 2025

Land Acknowledgement

Interior Health would like to recognize and acknowledge the traditional, ancestral, and unceded territories of the Dǎkelh Dené, Ktunaxa, Nlaka'pamux, Secwépemc, St'át'imc, syilx, and T̓silhqot'in Nations where we live, learn, collaborate and work together.



Goals for Today

- Responsibilities and collaboration
- Monitoring water quality
- Emergency response
- Reporting



Responsibilities and Collaboration

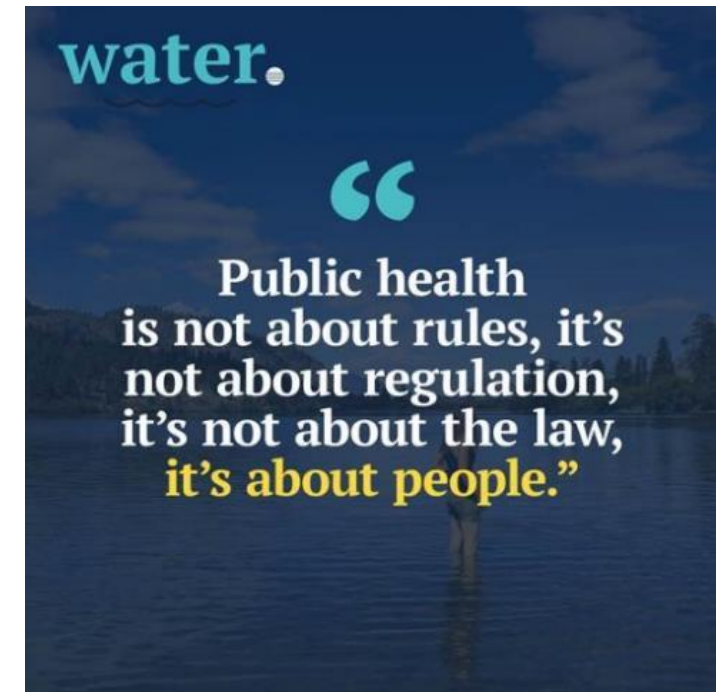
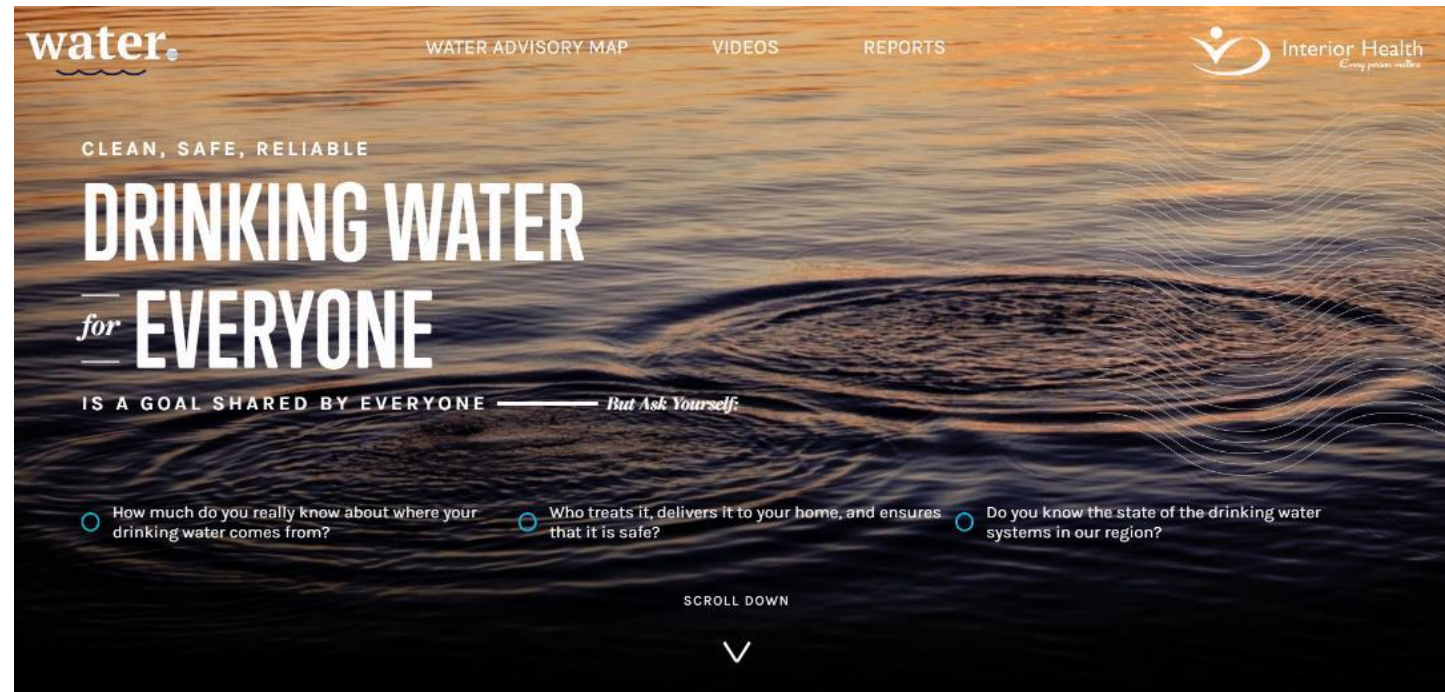


Health and well-being for all
Quality | Integrity | Compassion | Safety

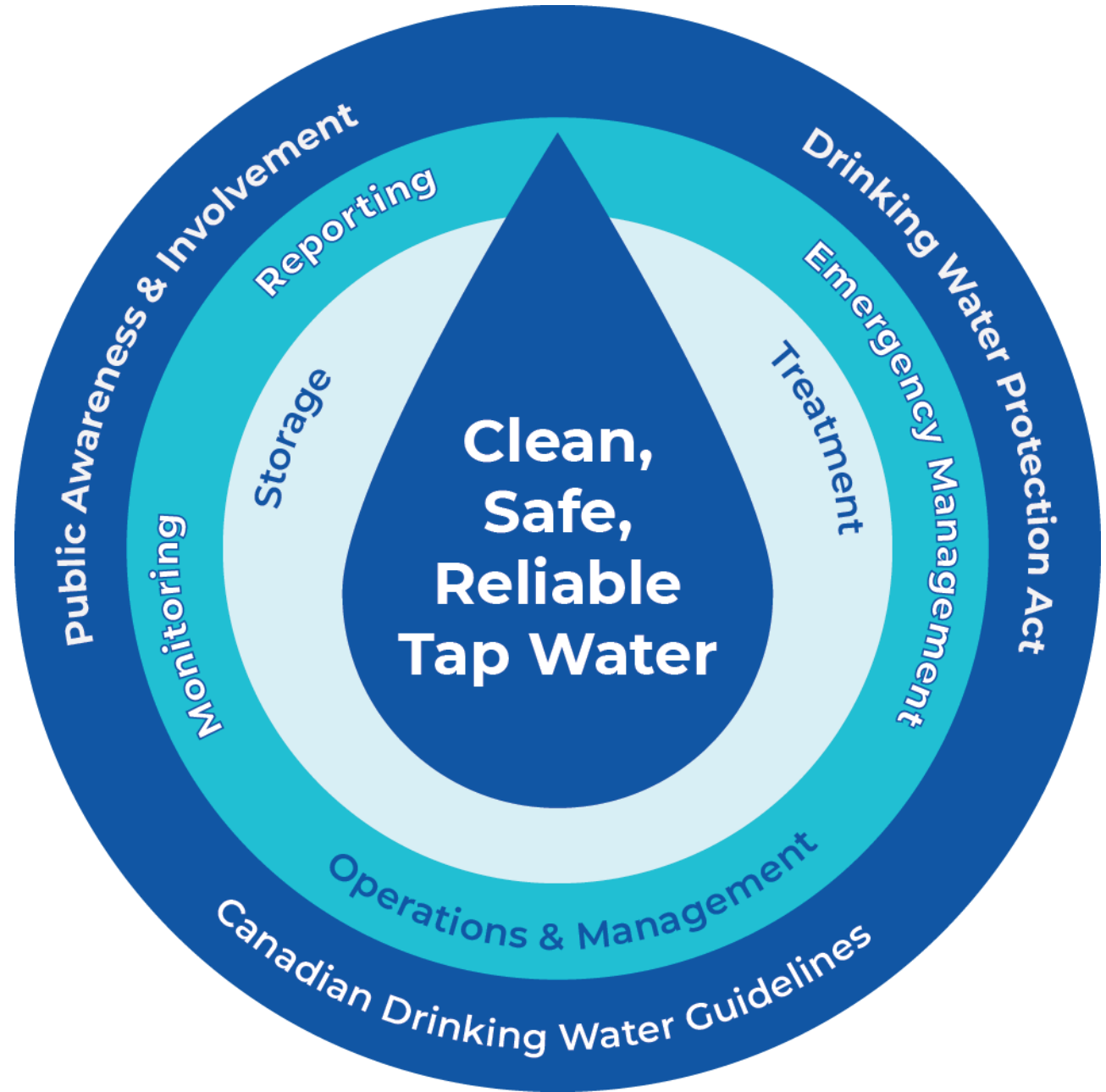
Responsibilities



How we Collaborate



Drinking Water Safety



Monitoring Water Quality



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Chemical Detected

- Report to the health authority
- Conduct additional sampling
- Plan and implement corrective actions



Manganese

- Complaints of discoloured water July 2024
- Elevated manganese at locations throughout the distribution system
- System operators respond ~ oxidize water before filters
- Exploring options for long-term source and treatment improvements



Disinfection Byproducts

- Disinfection byproducts (DBP) change depending on water quality and temperature
- Quarterly testing throughout the distribution system
- Potential health concern when quarterly average of DBP are above guidelines
- Pre-oxidation for manganese in July 2024 resulted in increased DBPs in the West Kelowna system



Emergency Response



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Public Notification

Notification Types:

- **Water Quality Advisory (WQA)**
- **Boil Water Notice (BWN)**
- **Do Not Consume (DNC)**
- **Do Not Use (DNU)**



McDougall Creek Wildfire

- Fire damage can release volatile organic compounds (e.g. benzene, toluene)
- A **Do Not Consume** public notice issued in August 2023
- The advisory was lifted when no volatile organics above the MAC were detected



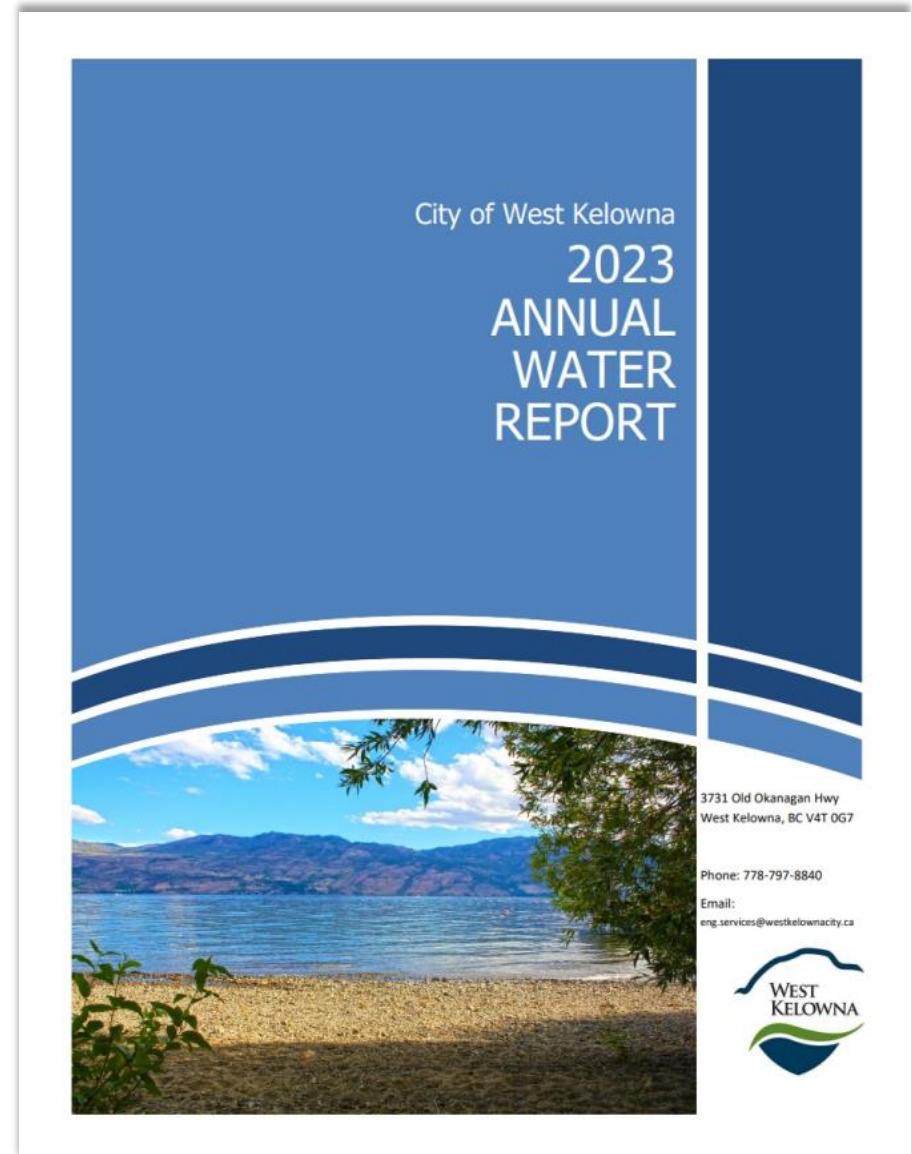
Reporting



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Annual Report

Share results of
monitoring, plans for
improvement,
information on chronic
risks and threats



Next Steps with City of West Kelowna

1. Continued monitoring to confirm reduced manganese and disinfection byproducts
2. Annual Reports – including results of sampling over year
3. Water Master Plan update



Questions?



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