

Potable & Non-Potable Water Supply Status

Presentation to Council – April 22, 2024

April 22, 2024

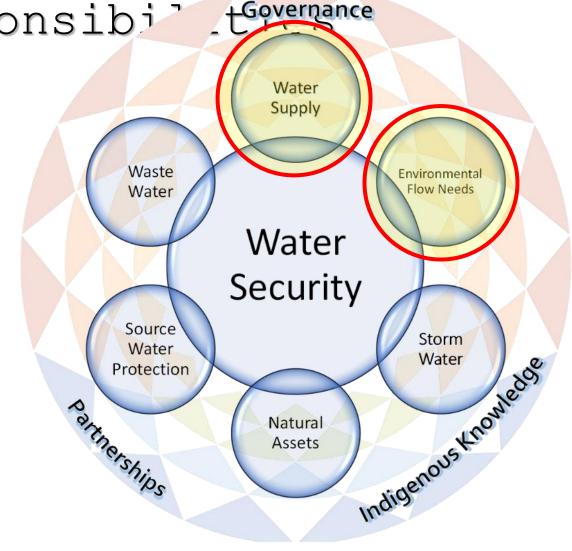
Outline

- Linkage to Water Security Plan
- Drought Information update
- Snowpacks
- Updates on lake and reservoir impacts
- Conclusion and Recommendation



Water Security/Responsibi

Principle 1: "All residents and water users in the City have a safe, affordable, resilient and sustainable supply of high-quality drinking water and a reliable Tripfyple Tater Tore that the guality and quantity water is available to support a healthy aquatic ecosystem."

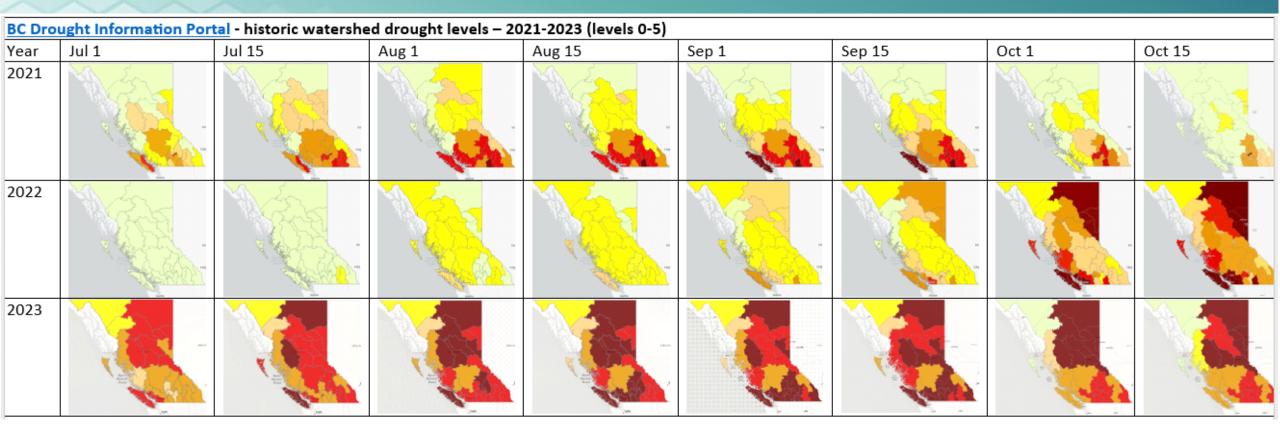


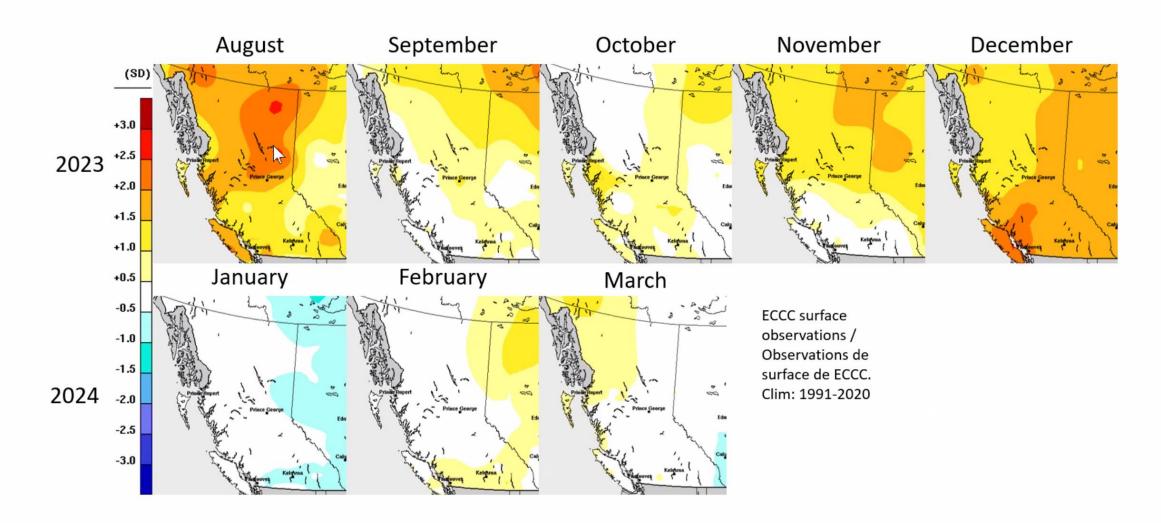


The six water sectors outlined in the City's Water Security Planning Process



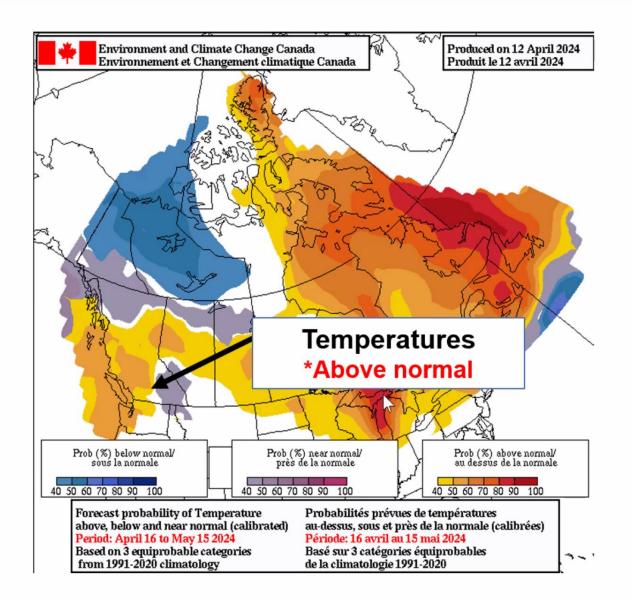
Provincial Watershed Drought Levels

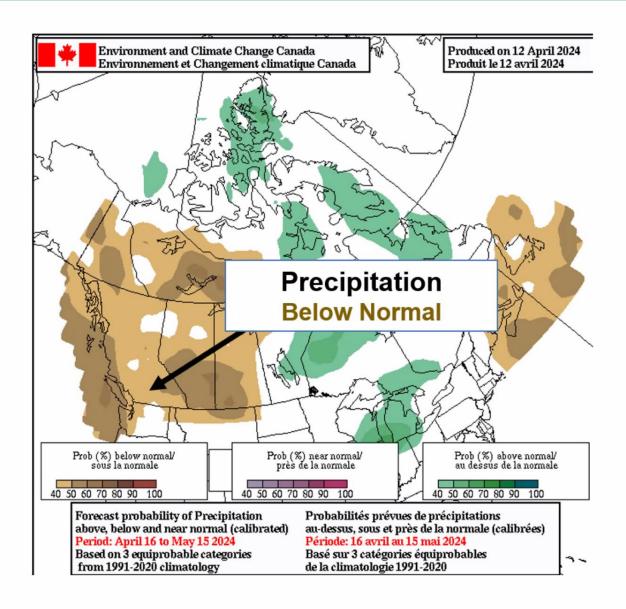




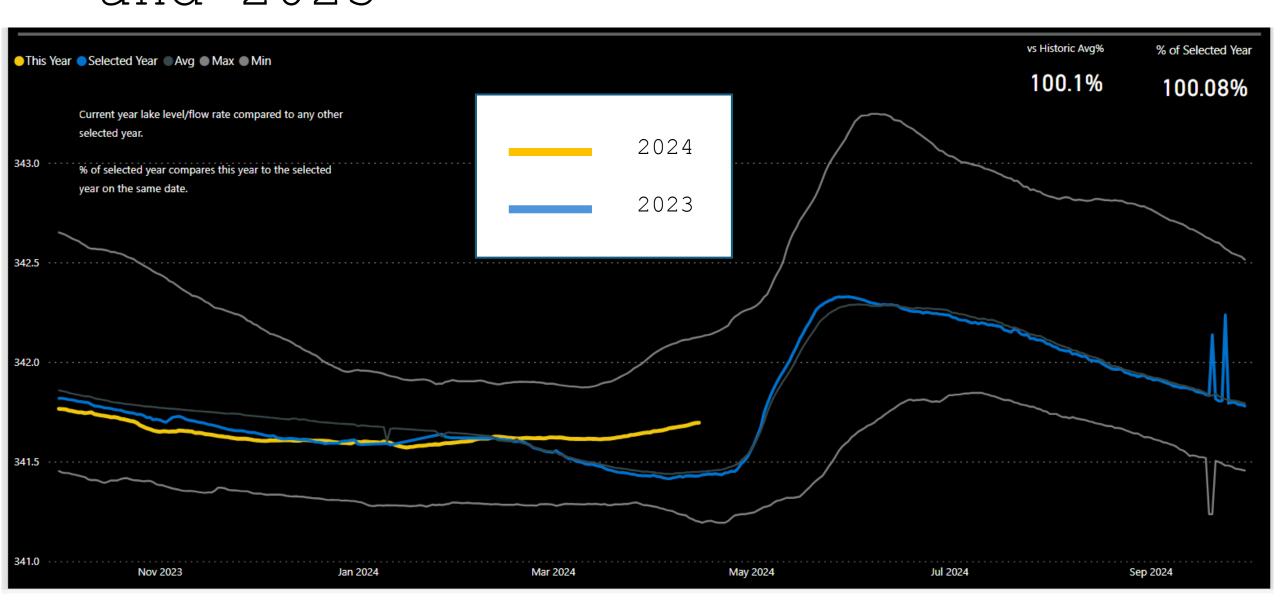




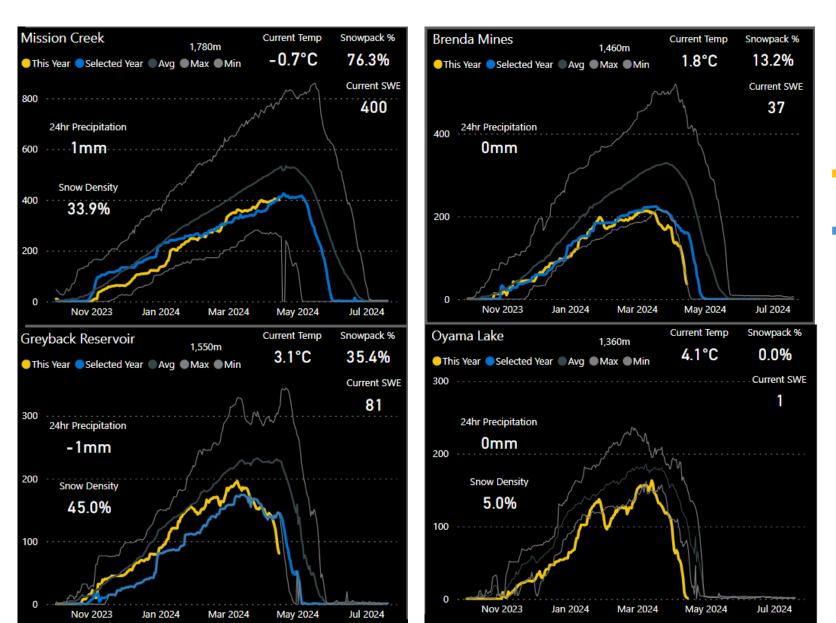




Okanagan Lake Levels - Today and 2023



Snowpack - Today and 2019

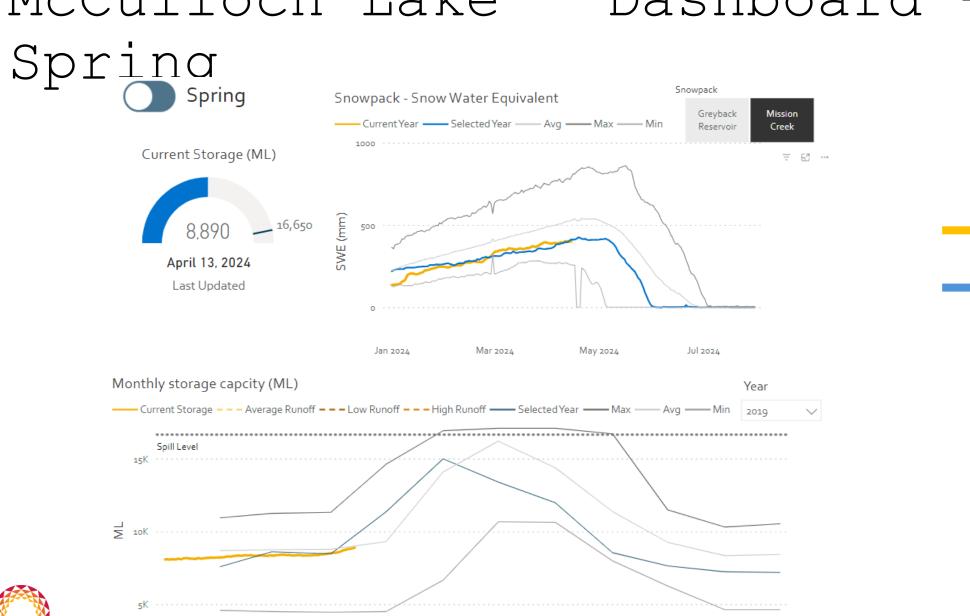




2019



McCulloch Lake - Dashboard



Jul 2024

Sep 2024

Nov 2024

2024

2019



*Note the exact date of historic reservoir data is unknown. It is assumed that values represent the end of the month

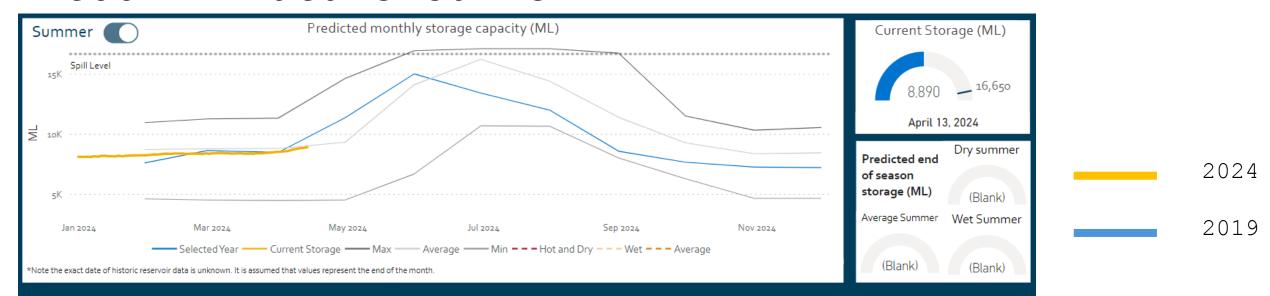
May 2024

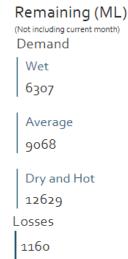
Mar 2024

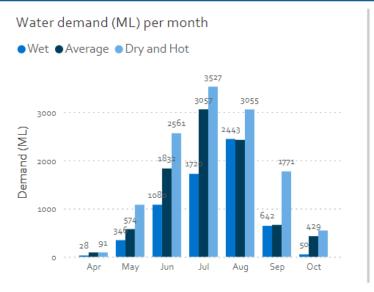
Jan 2024

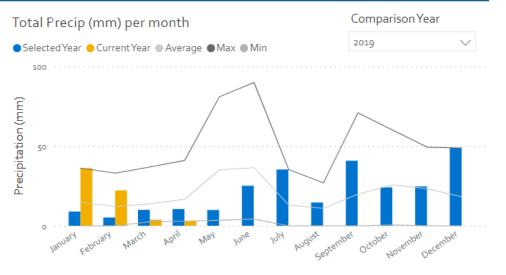
McCulloch Reservoir tool - Future Summer

Prediction











Conclusion

• Okanagan Drought - into 4th Year.

- Potable System
 - Okanagan Lake water levels likely not reaching full pool.
 - High risk of future Provincial Drought Level declarations.
- Non-Potable System
 - Snowpack is well below normal.
 - McCulloch not expected to spill.
 - Storage anticipated to be much lower than normal.
 - Need to prepare for restricted consumption .



Recommendations

- Updates be provided Council in late May.
- Citizens & Customers need to be efficient with water in 2024.
- Implement Stage 1 Water Restrictions
 - Increased awareness of drought Conditions.
- Non-Potable System Users restricted to allotment (685 mm)
 - No exceedances.
 - City will support farmers to monitor their allotments.



Thank you!