



AWS/ERWS Operations February Updates

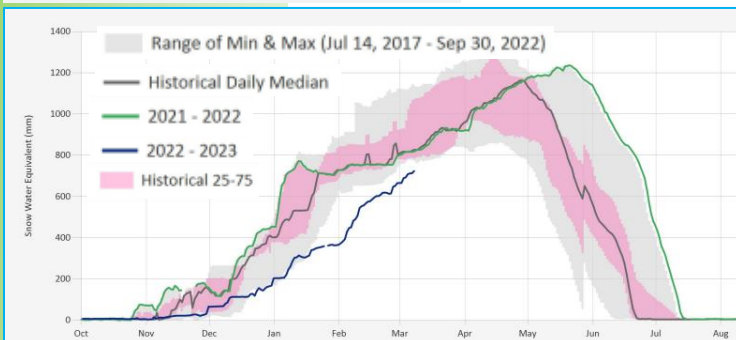
Update #2 March 2023



2022 Fish Monitoring Program

- Staff completed a detailed service of the high lift pump check valves. The service is needed to minimize and protect the main pumps from pressure surges in the pipeline commonly known as “water hammer”.
 - Staff is working closely with the Ministry to define the scope of work for the Arrowsmith Dam Provisional Operating Rule updates. Professional services to be retained for analysis.
 - A routine site safety inspection in conjunction with the Joint Health and Safety Committee for the geobag area was completed. Few minimal issues were observed, and staff implemented corrective actions for the items identified.
 - An environmental consultant was retained to establish a monitoring program for the geobag dewatering area. Staff will keep up with the lab testing to ensure continued protective measures are in place for water discharge.
- ### Upcoming
- In March, contractors will continue to monitor and improve the system performance as part of the warranty work.
 - The 2022 Fish Monitoring Program study will be submitted to the Department of Fisheries and Oceans in March. This ensures measures and standards are in place to protect the ecological river system (as per the permit).
 - Arrowsmith Dam Operation, Maintenance, and Surveillance manual will be submitted to the province for acceptance. The province has allowed the use of remote monitoring and drone or helicopter fly-by when road conditions are not accessible to the dam (winter conditions).

Mount Arrowsmith 2022 and 2023 Snow Pillow



Watershed and Dam Level Update

- Arrowsmith Lake Dam is **60% full** (elevation 820m), 8.5m below the spillway level, below normal range. Snow pillow (snow water equivalent) depth is at 650mm, below minimum range.
- Overall water consumption was approximately 11% lower than in February 2022.

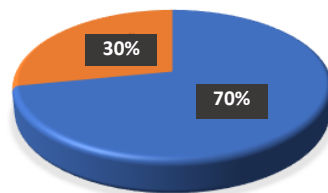
Monthly Production and Consumption Facts

121,337 m³



Parkville wells and ERWS totals

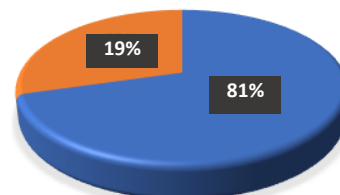
Production Source



Well Plant

Parkville wells and ERWS totals

Consumption Percentage



RDN Parkville

Well water not included in percentages