

# Water Supply Update

August 10, 2023



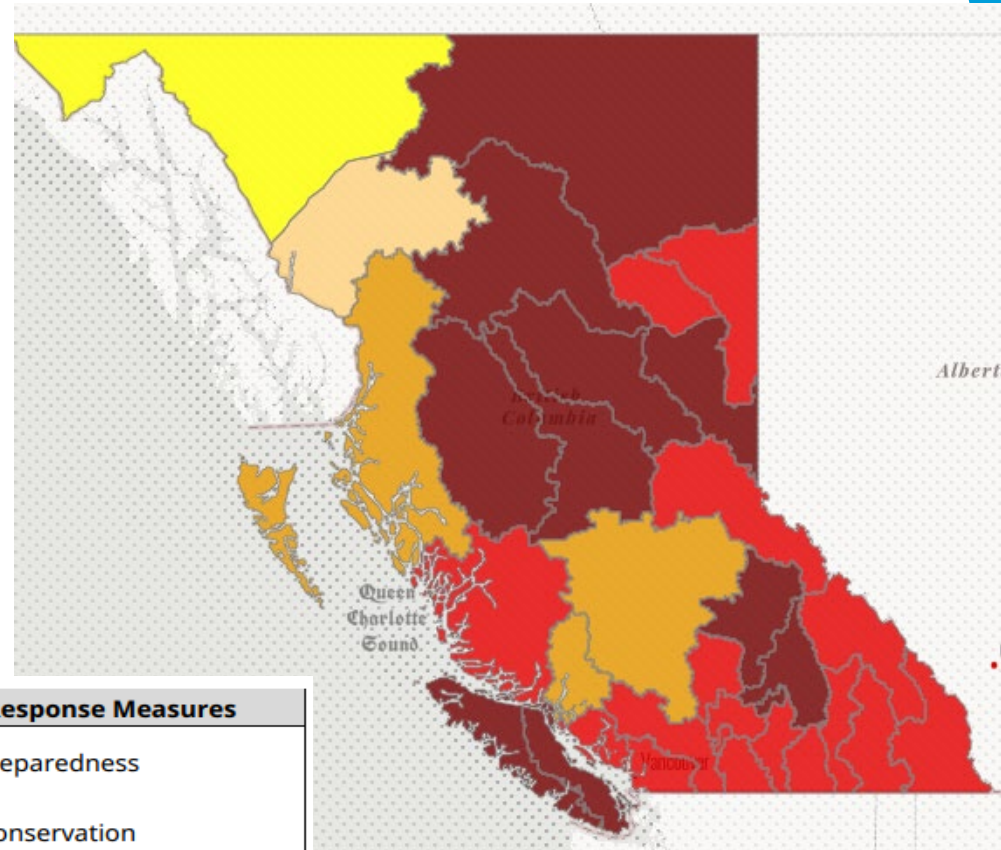
# Good news! It Rained This week

- Weather forecasts predicted showers overnight between August 8-9 with minimal rainfall amounts.
- Actual rainfall was 26 mm at Chapman Lake much more than predicted which is good news.
- This rainfall had a positive impact on the watershed, more water in the creek and reduced draw from lake.
- More rain is needed to recover the lake storage used so far this year.
- Hot and dry weather is predicted for next week



# BC Drought Conditions

- Separate BC drought classification based on historical records, such as stream flow, precipitation
- SCRD remains at Level 4
- Increased “red” as more areas move to Level 4 / 5



Level	Impacts	General Response Measures
0	There is sufficient water to meet socio-economic and ecosystem needs	Preparedness
1	Adverse impacts to socio-economic or ecosystem values are <b>rare</b>	Conservation
2	Adverse impacts to socio-economic or ecosystem values are <b>unlikely</b>	Conservation Local water restrictions where appropriate
3	Adverse impacts to socio-economic or ecosystem values are <b>possible</b>	Conservation Local water restrictions likely
4	Adverse impacts to socio-economic or ecosystem values are <b>likely</b>	Conservation and local water restrictions Regulatory action possible
5	Adverse impacts to socio-economic or ecosystem values are <b>almost certain</b>	Conservation and local water restrictions Regulatory action likely Possible emergency response



# Eastbourne Water System

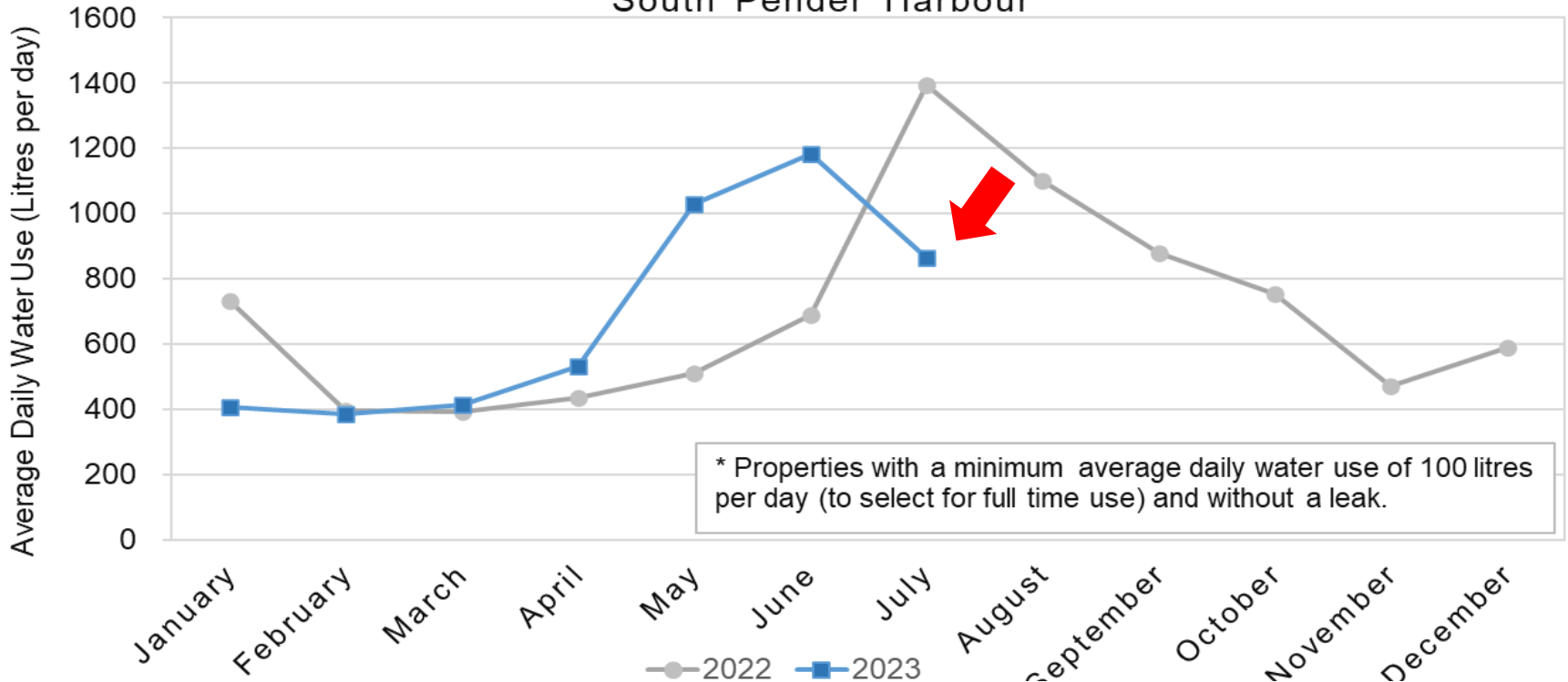
- Stage 4 on July 31
- Well volumes are low
- Water rationing
- Thank you residents of Eastbourne Water system for water conservation year-round



# South Pender Water System

## Residential Water Use in the SCRD

Average Daily Use per Property\* (Litres per Day)  
South Pender Harbour



### 2022 Average Daily -Min100 L per day, No leaks - South Pender Water System

	January	February	March	April	May	June	July	August	Sept	Oct	Nov	Dec
2022	733	397	394	435	512	688	1,394	1,100	877	754	472	591
2023	406	387	414	532	1,030	1,183	865					

# South Pender Update

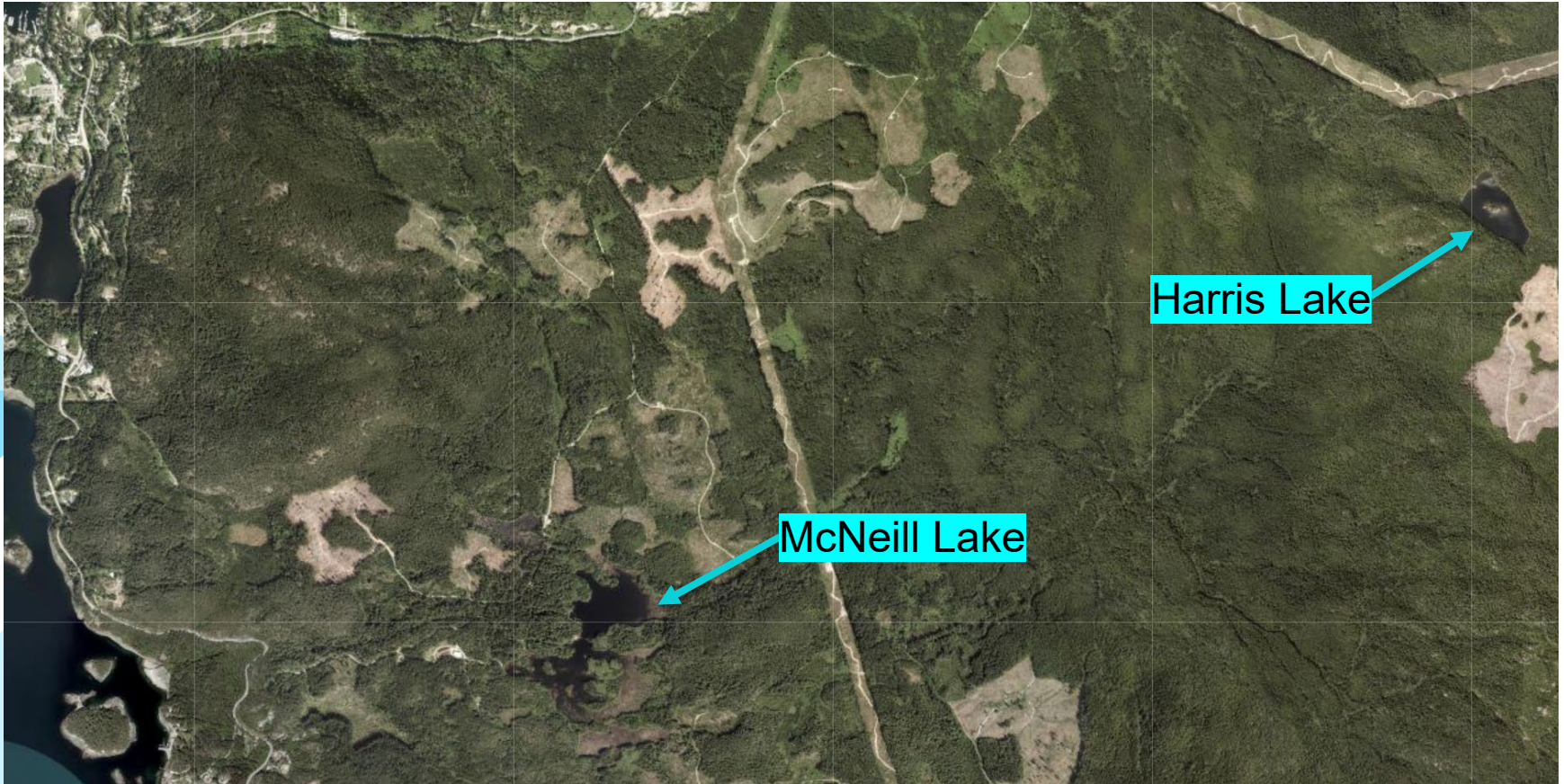


For the first time in over a decade flows from Harris Lake is required to supplement lake levels at McNeil Lake.

- SCRD staff have completed maintenance at Harris Lake to drawdown more water into McNeill Lake.
- Staff are discussing supply options to increase water supply to McNeil Lake from Harris Lake



# South Pender Lakes



# Chapman Lake

August 10, 2023



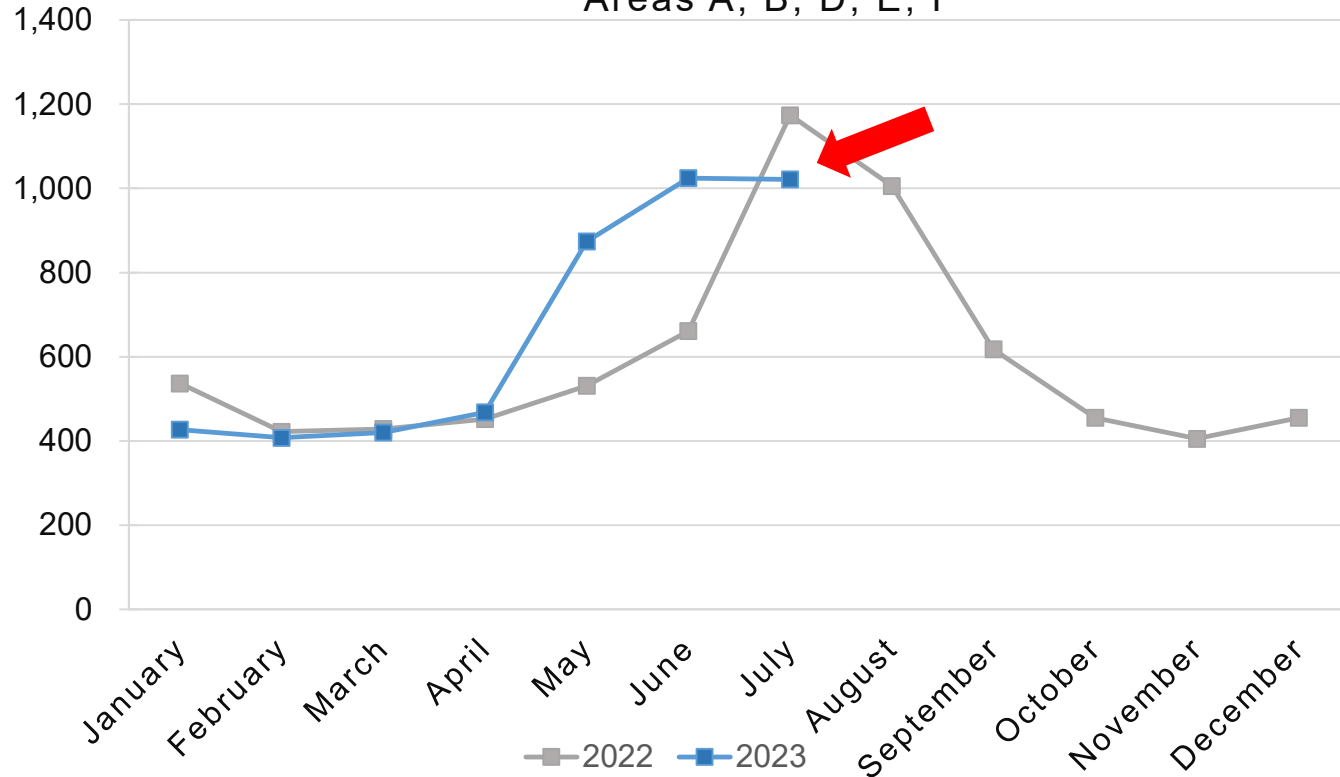




# Chapman Water System

- Stage 3 called for Friday, August 11 for Chapman Water System
- Average daily use for all SCRD residential properties was **1,021 LPD** in July (shown in graph)

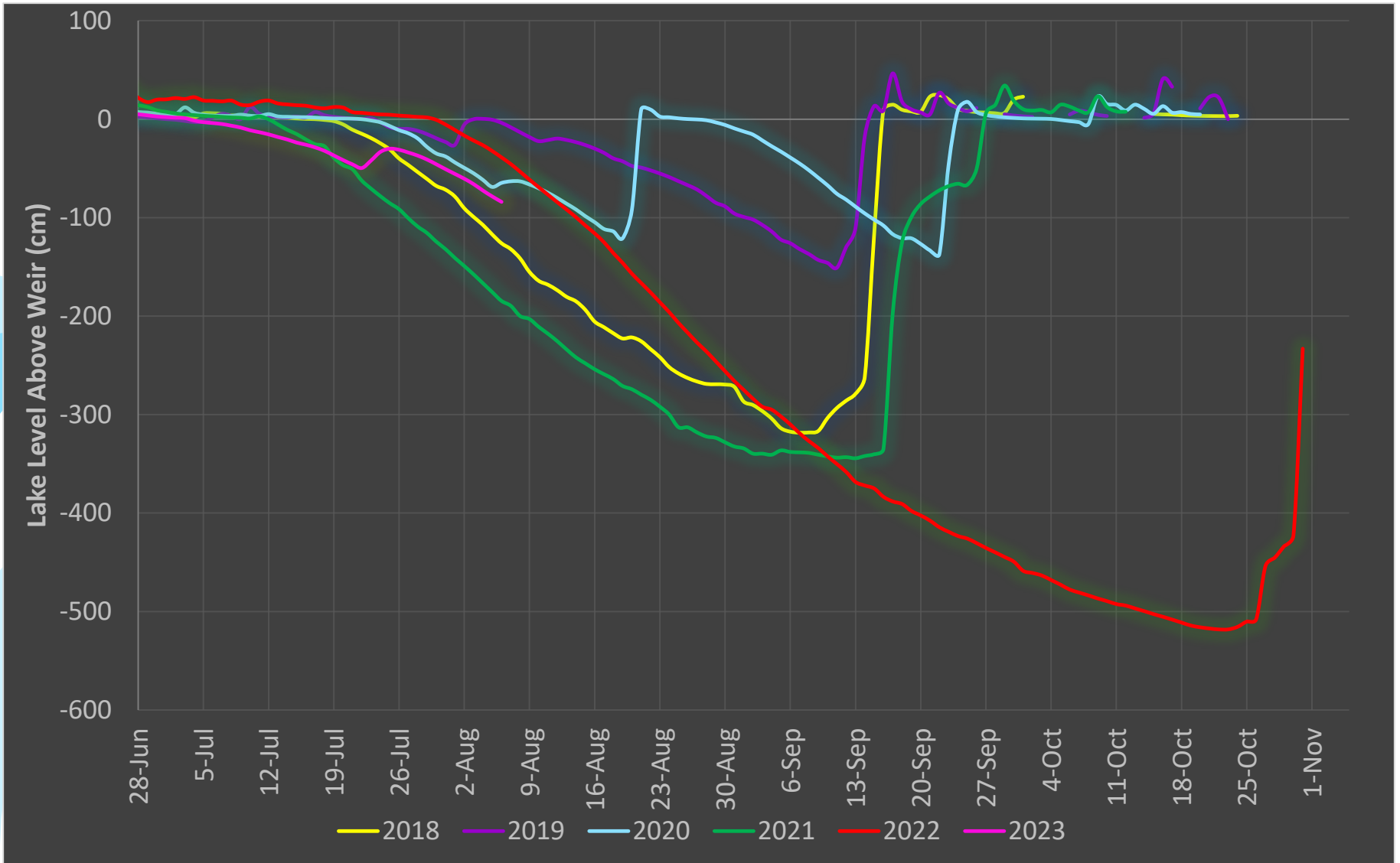
**Residential Water Use in the SCRD**  
Average Daily Use per Property\* (Litres per Day)  
Areas A, B, D, E, F



We encourage everyone to sign up for their monthly water use update! [scrd.ca/water-use](https://scrd.ca/water-use)



# Historic Chapman Lake Levels



# Chapman Water System

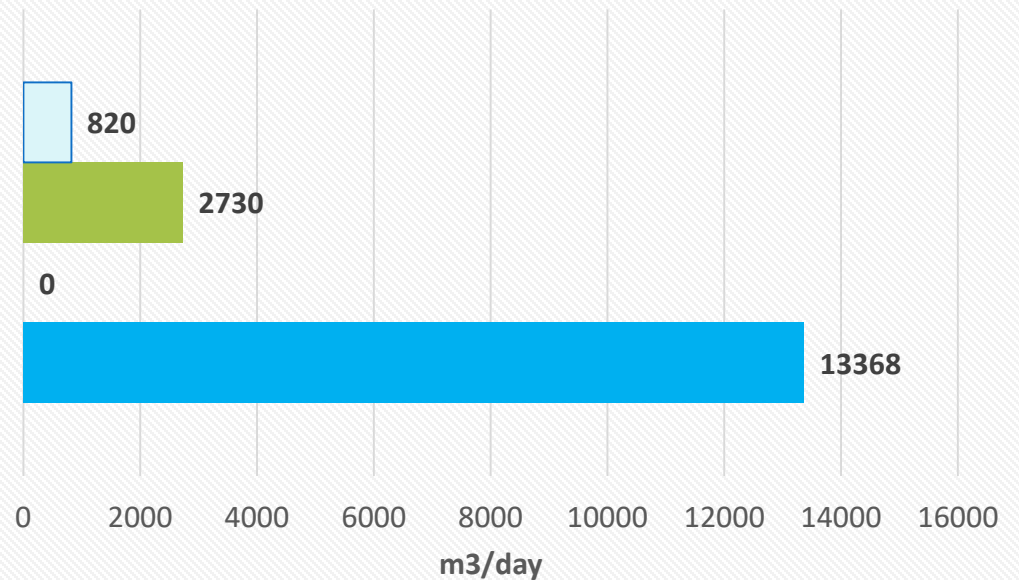
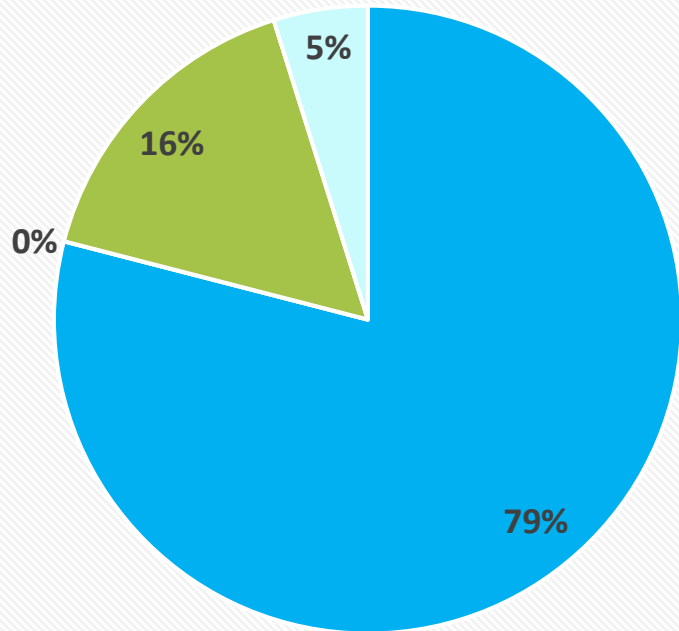
Chapman Lake stored water is being used and the storage level is decreasing by 1-2% a day. This varies and depends on community water use, evaporation and sources used.

Visit [www.scrd.ca/water-updates](http://www.scrd.ca/water-updates) for Chapman Lake storage levels and more information.



# Chapman System Supply Sources

July 30 - Aug 5, 16,918 m<sup>3</sup>/day average



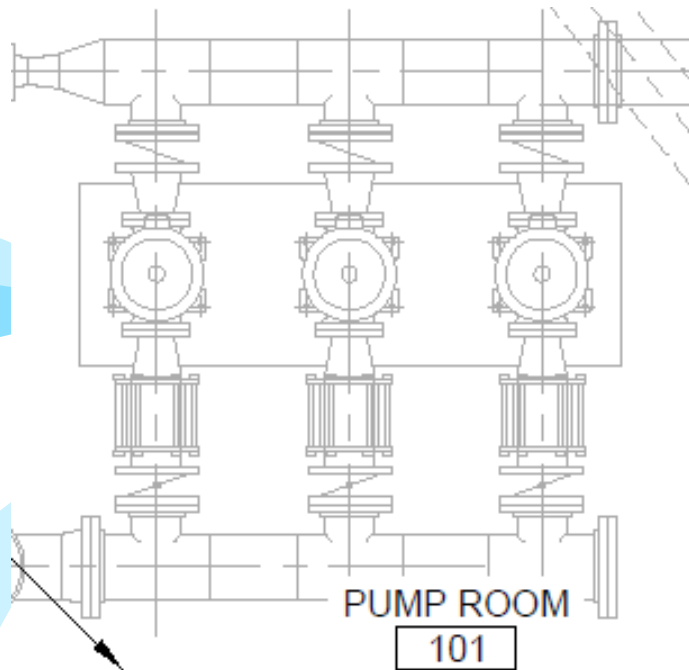
■ Chapman Lake

■ Granthams

■ Gray Creek

■ Chaster Well

# Church Road Update



Currently running at 15-25L/sec

Conducted an analysis on an electrical component

Materials coming in 1-2 weeks which will improve operations

# Leak Resolution

Staff collect monthly meter data and are scanning regularly for leaks.

SCRD staff have conducted in-person visits to dozens of properties for leak resolution, to assist with private side leak resolution



# Water Communications

## Drought Communication Plan for each stage includes:

- Radio ads
- Newspaper ads
- “Front Page” Advertisement on the Coast Reporter webpage
- News releases for stage changes
- Highway and Road Signs
- Announcements on BC Ferries (during Stage 4)
- Responses to media inquiries





# Water Communications

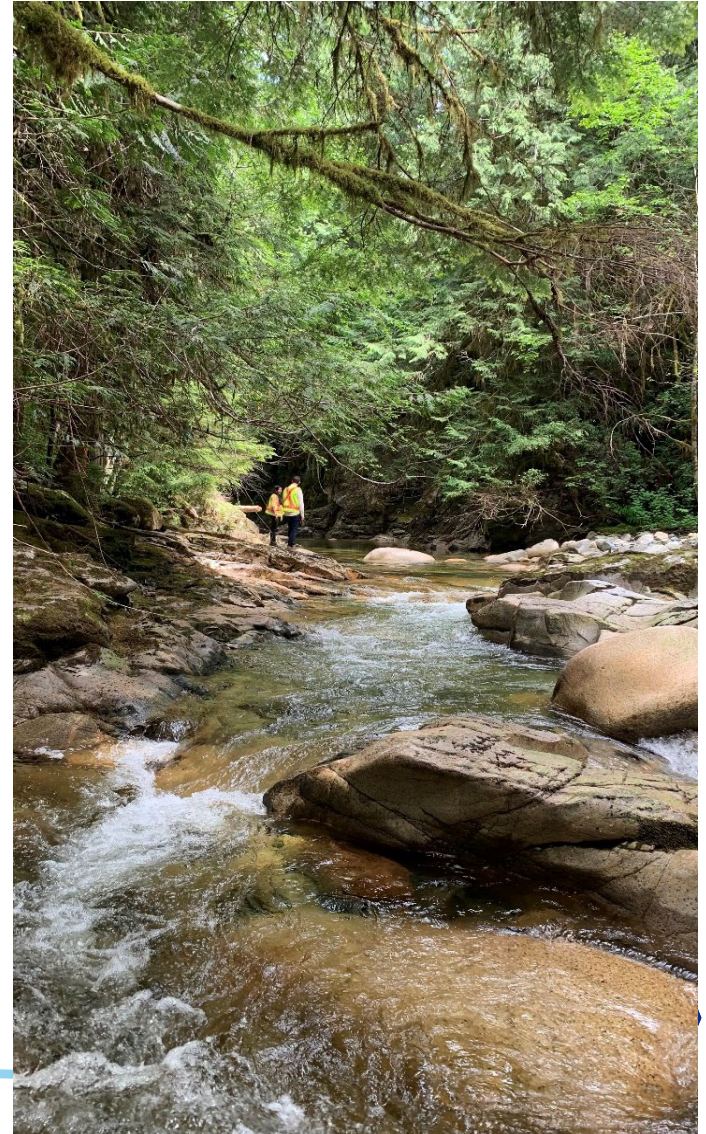
## Water Conservation Communication Plan includes:

- Weekly Facebook post
  - Routine posts in Coast Reporter SCRD Bulletin Section
  - Monthly SCRD Coast Current Newsletter
- 
- SCRD Staff handle dozens of email, walk-in and by phone inquiries each week with personalized questions about regulations, water meters, water data, supply projects, billing and much more
  - SCRD staff recently had booths at the Madeira IGA, RC Farmer Market, Pender Harbour Days
  - SCRD Staff host information sessions with Sunshine Coast Regional Economic Development Organization and Sunshine Coast Tourism. Second session is set for August 16th
  - SCRD Staff maintain dedicated water-update website



# Environmental Flow Needs Update

- The Province has reviewed our Environmental Monitoring Plan and has requested supplementary information.
- The SCRD is working with our Biologists to respond to the Province as soon as possible.



# Chapman Water System Water Supply Projects

## Langdale Well Field

- Design work ongoing

## Groundwater Investigation (Phase 5)

- Project kick-off completed early August
- Five more test wells

## Watershed Agreement with Town of Gibsons

- Work underway to optimize our water system and the use of Aquifer 560



**Next update will be  
August 24<sup>th</sup>, 2023**



# Thank You

