

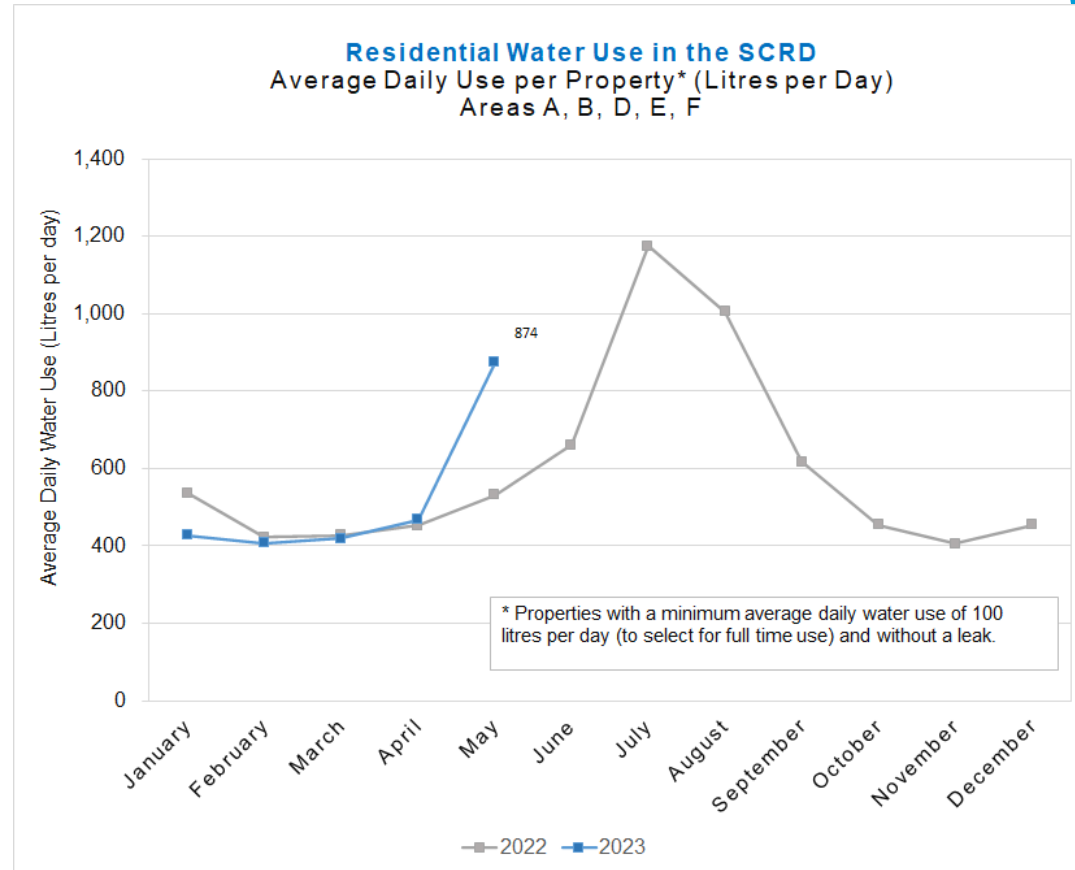
Water Supply Update

Committee of the Whole
June 8, 2023



Chapman Water System

- Currently at Stage 1
- Water use higher than last year in May
- SCRD staff meet at least weekly to assess current water supply situations and scenarios for each water system

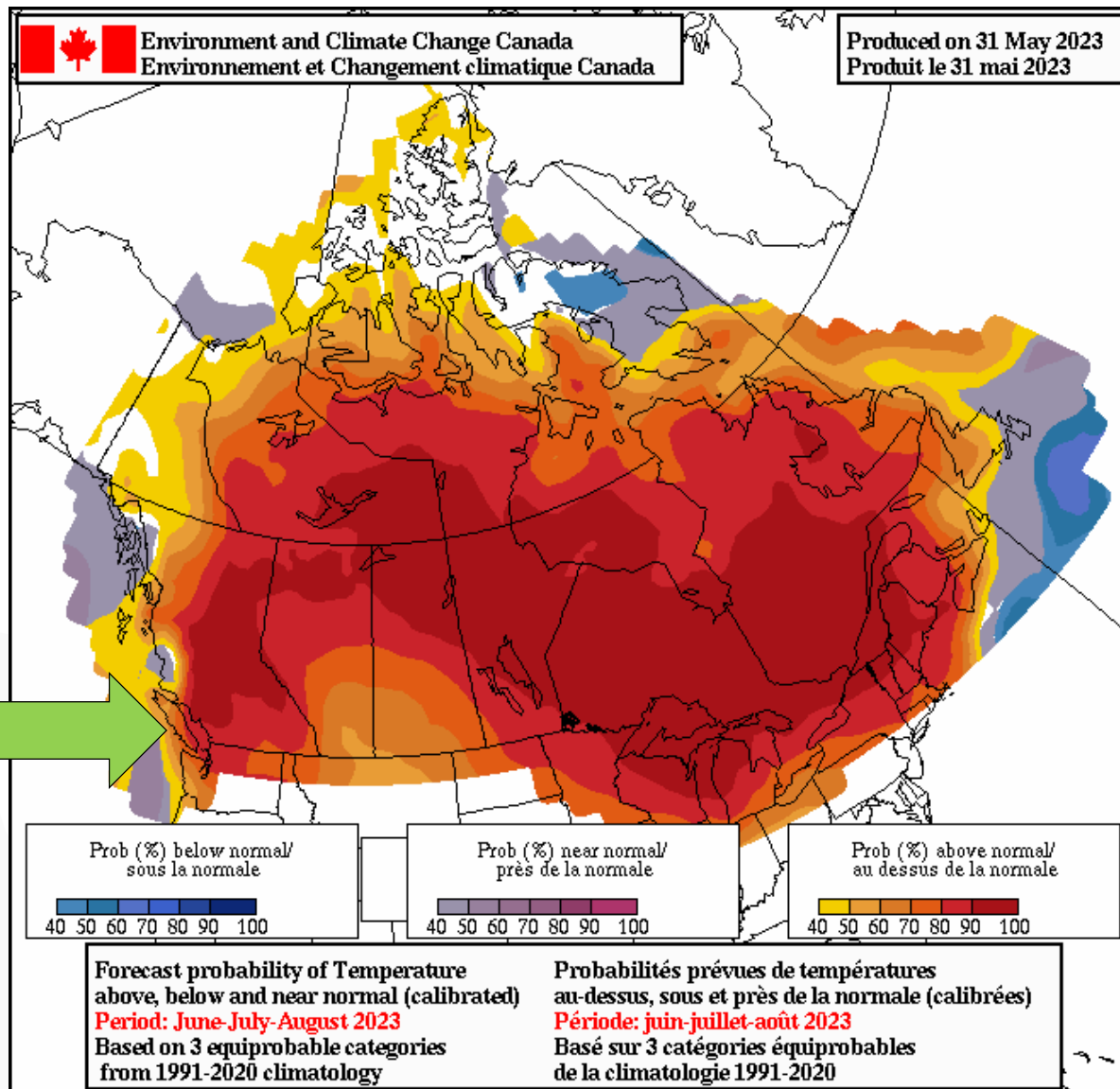


South Pender Water System

- **Moving to Stage 2 Water Conservation Regulations on Friday, June 9 to remain in compliance with water licence**
- Community water use higher than last year at this time.
- Water conservation efforts needed.
- A letter was sent to the top 25 residential water users (3%) who used 22% of treated water in May.
- One property owner fixed a leak of 72,000 litres per day in early June.
- Lake is no longer overflowing. This is not normal for this time of year.

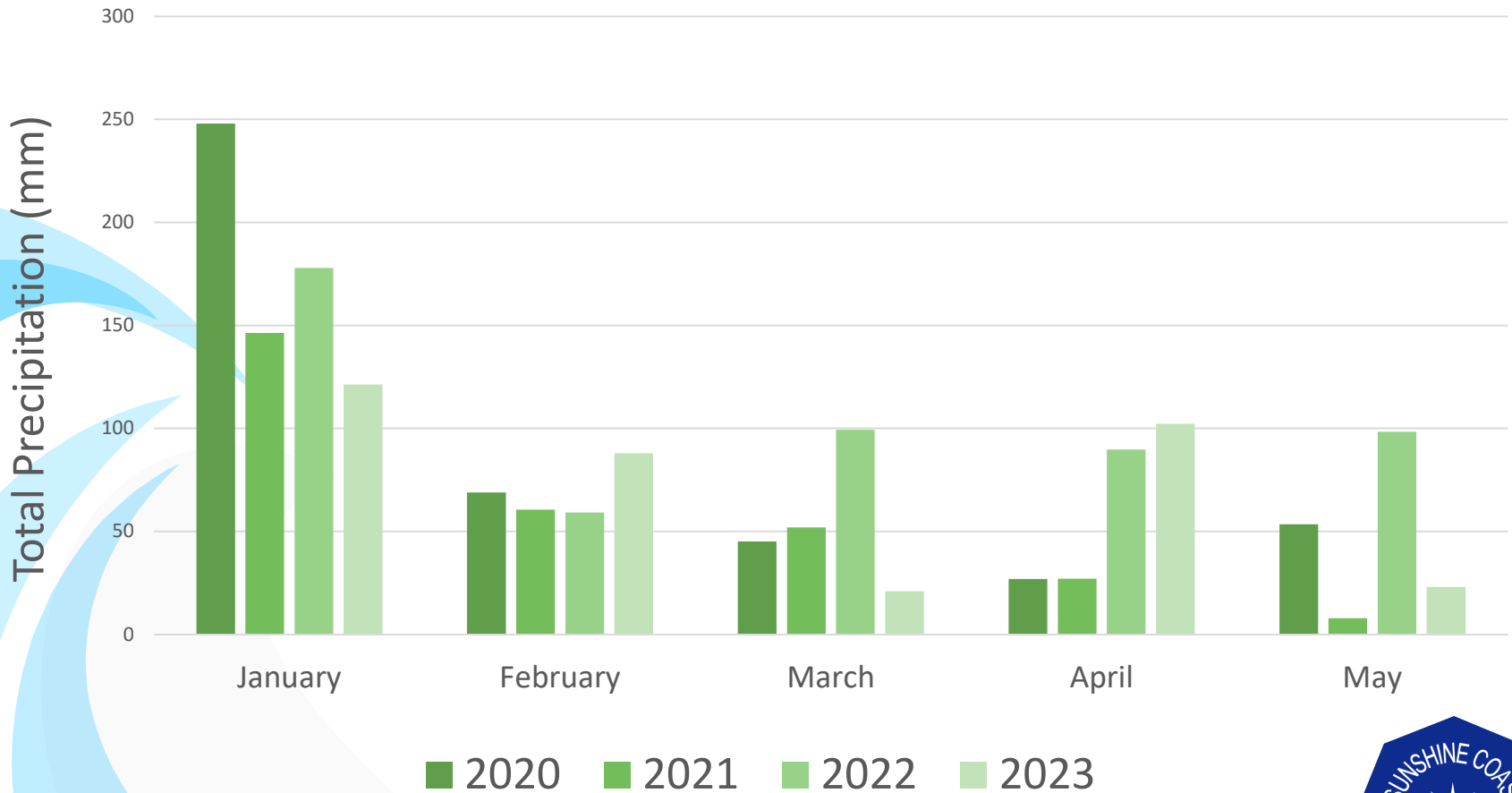


June-July-August Temperature Forecast



Rainfall Data – Sechelt Airport

Monthly Total Precipitation 2020 -2023



Snow Surveys

- Staff completed a snow survey at Chapman Lake on May 30th
- Patches of snow at Edwards Lake
- Staff will monitor the snowpack at higher elevations, at the Tetrahedron weather station, until snowpack is depleted.

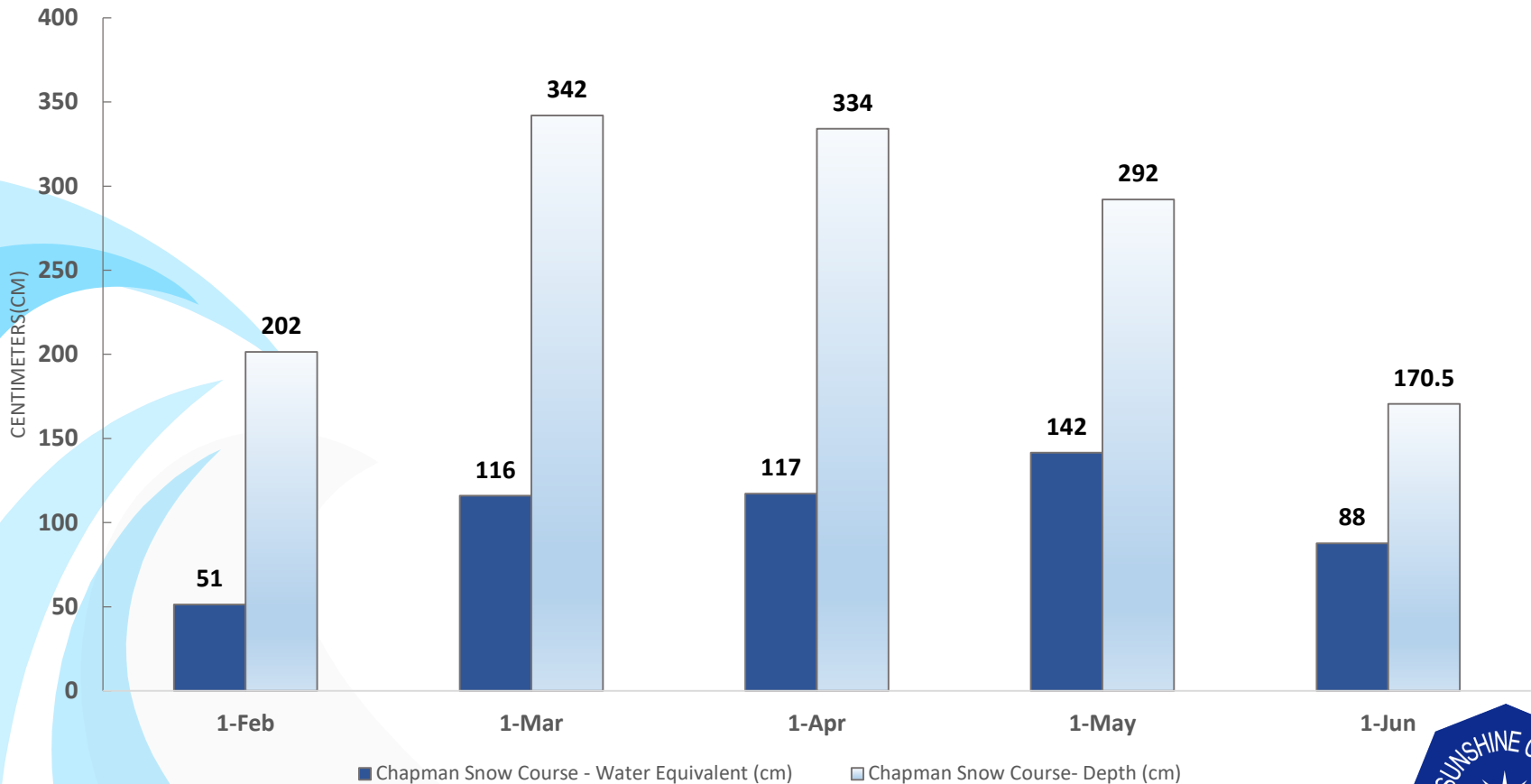


Chapman Lake, view from the helicopter (May 30, 2023)

Snow Surveys – May 30, 2023

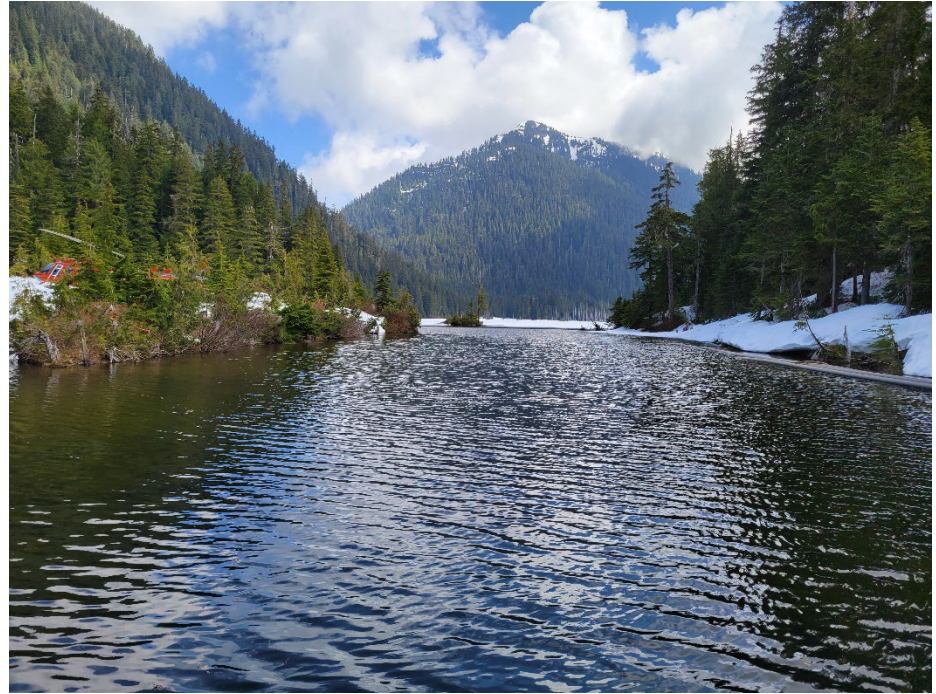
- Chapman Snow Water Equivalent: 62% snowpack remaining at the lake

2023 Snow Depth & Water Equivalent (SWE) Chapman Snow Course



Heading into Summer...

- Sunny, higher than normal temperatures in May led to fast snow melt.
- No recent rain at the lakes.
- Lakes are currently full and overflowing over the dam.
- Chaster Well is contributing around 750,000 L per day to Chapman Water System.
- Preparing to bring Gray Creek online.



Chapman Lake, view from the dam (May 30, 2023)

Water Conservation Communications

Upcoming communications in June

- New webpage in development for drought information and current water supply.
- 349 leak letters went out on June 7
- Continue to address major ongoing leaks that may be issued shut off notices.
- Monthly water use update: 788 residents signed up

socrd.ca/sprinkling-regulations		STAGE 1	STAGE 2	STAGE 3
WATERING		MAY 1 TO SEP. 30	BASED ON DEMAND AND ENVIRONMENT	
Hand held container Hose with spray trigger nozzle Drip-irrigation	Trees, flowers and shrubs	PERMITTED	4 hours/day max. 7am - 8am and 7pm - 9pm	1 hour/day max. 7am - 8am or 7pm - 9pm
	Food producing trees and plants	PERMITTED	PERMITTED	2 hours/day max. 7am - 8am and 7pm - 9pm
Sprinkler Soaker hose Micro-spray	Lawns	Two days per week: 7am - 8am Even numbered address: Thu/Sun Odd numbered address: Wed/Sat <i>(Hose watering is permitted at any time)</i>	NOT PERMITTED	NOT PERMITTED
	Trees, flowers and shrubs	Three days per week: 7am - 8am and 7pm - 9pm Even numbered address: Tue/Thu/Sun Odd numbered address: Mon/Wed/Sat	Two days per week: 7am - 8am Even numbered address: Thu/Sun Odd numbered address: Wed/Sat	NOT PERMITTED
	Food producing trees and plants	Three days per week: 7am - 8am and 7pm - 9pm Even numbered address: Tue/Thu/Sun Odd numbered address: Mon/Wed/Sat	Two days per week: 7am - 8am and 7pm - 9pm Even numbered address: Thu/Sun Odd numbered address: Wed/Sat	NOT PERMITTED
	WASHING			
Hand held container Hose with spray trigger nozzle	Sidewalks, driveways, windows, fences and exterior building surfaces Vehicles and boats	PERMITTED	PERMITTED	NOT PERMITTED except for prepping surfaces for parking or paving and for health and safety regulations.
				PERMITTED only to wash off sea water.
FILLING				
	Swimming pools and hot tubs	PERMITTED	PERMITTED	NOT PERMITTED
	Garden ponds and fountains	PERMITTED	PERMITTED	NOT PERMITTED
STAGE 4 BAN ON ALL OUTDOOR WATER USE				
FINES		STAGE 1 \$200	STAGE 2 \$300	STAGE 3 \$400
		STAGE 4 \$500		

Questions or report a violation: 604-885-6806 | infrastructure@socrd.ca



Church Road Well Field Project

- Soames Creek flow and fish habitat survey data has been sent to the Province for review.
- Ongoing compliance monitoring of the creek will be required for two years, RFP has been posted.
- 80-hour commissioning test has been completed and was successful.
- This well field will be online as soon as we receive approval from the Province.



Other staff priorities

- Staff meet every week to review water system data and adjust based on the information shared in this presentation, which changes daily.
- Our goal is to preserve stored water in the Chapman Watershed for as long as possible.
- Staff continue to prioritize Church Road Well Field.
- Continue to provide the most up to date information to residents when available.
- Rainwater harvesting rebates: >94% of funding available has been pre-approved.



Community Questions:

When is Stage 2 on Chapman Water System?

- Staff are carefully monitoring conditions.
- Weather has been dry, higher-than-normal temperatures, leading to rapidly melting snowpack.
- No rain in the forecast.
- Anticipate snow completely melting in the coming weeks.
- Staff will continue updating the website and provide the public information when Stages change.



Community Questions:

What about fire protection?

- Campfire ban is on as of today, June 8, 2023.
- Drought Response Plan works to “ensure adequate water and pressure is maintained for fire protection during peak use periods”.
- This objective was met and maintained in extended drought in 2022 through Water Conservation Regulations and the State of Local Emergency.



Questions?

