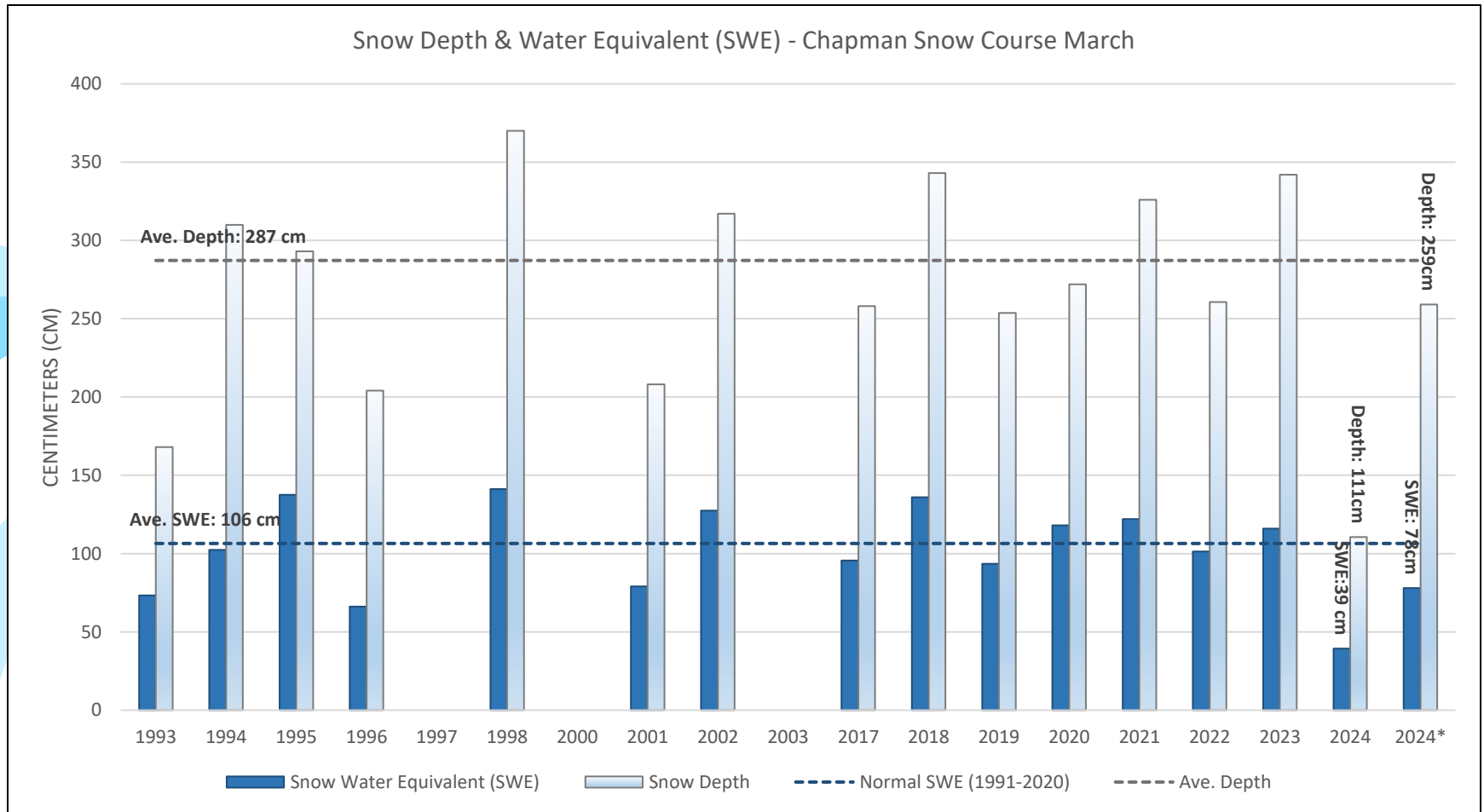


Water Supply Update

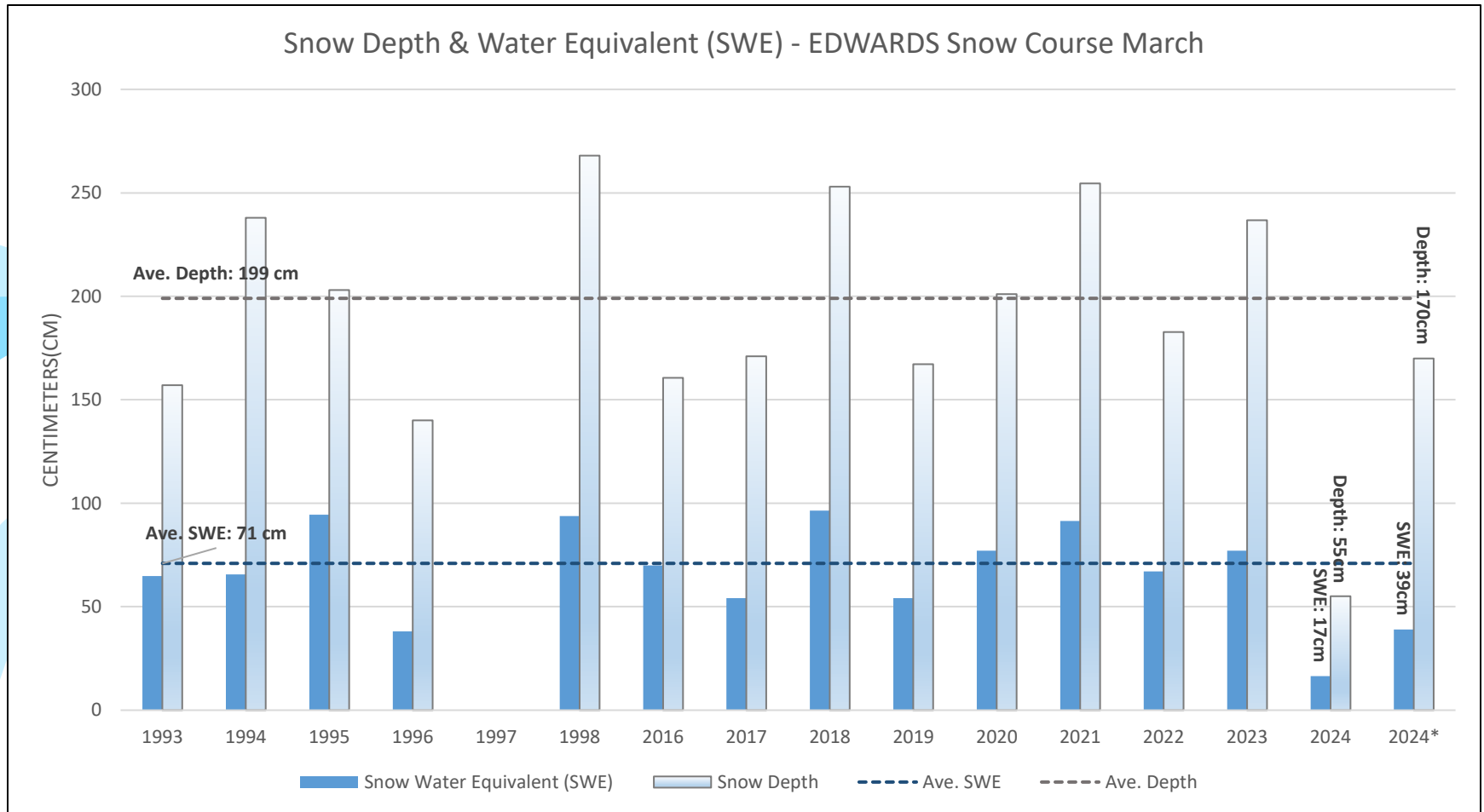
Committee of the Whole
March 14, 2024



Snowpack – Chapman Lake



Snowpack – Edwards Lake



Chapman Lake in images



February 26, 2024



March 12, 2024

Relation Snowpack – Water Supply

Snowpack is only one of the drivers for Chapman Creek flows during the summer:

- Snowpack
- Temperature at sea level
- Temperature at high elevation (freezing level)
- Precipitation (timing, amount and frequency)



Chapman April Snow Course Water Equivalent (cm)

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
No Data	No Data	151	177	92	*No Survey	168	124	117	78 2024* March Data
May 1 - June 8	May 1 - July 24	May 1 - July 20	May 1 - July 4	May 1 - June 6	May 1 - July 9	May 1 - July 3	May 1 - July 27	May 1 - July 6	
June 9 - July 10				June 7 - June 26					
July 11 - Aug 12			July 5 - Aug 12	June 27 - Aug 26		July 4 - July 22		July 7 - Aug 10	
Aug 13 - Sept 3	July 25 - Aug 25	July 21 - Aug 31	Aug 13 - Aug 30		July 10 - Aug 7	July 23 - Aug 9	July 28 - Aug 22	Aug 11 - Sept 7	
Sept 7 - Sept 20	Aug 26 - Sept 18	Sept 1 - Oct 2	Aug 31 - Sept 13	Aug 27 - Sept 15	Aug 8 - Aug 23	Aug 10 - Sept 19	Aug 23 - Aug 30		
Sept 21 - Sept 30	Sept 19 - Oct 5		Sept 17 - Sept 30	Sept 16 - Sept 30	Aug 24 - Sept 30		Aug 31 - Dec 13	Sept 8 - Sept 26	
		Oct 3 - Oct 27				Sept 20 - Sept 30		Sept 27 - Oct 3	
		Oct 28 - Nov 9							

Long Range Weather Outlook

BC Provincial Climate Bulletin

Spring Outlook (March-April-May)

- Above average temperatures and warmer conditions are likely.
 - Dry conditions expected for the BC Coast for March-April.
 - No clear precipitation trend for May.
 - Warmer conditions and less snow could result in early snow melt.
-
- No certainty about outlook for July-Sept

“Let’s be ready for anything and everything”

- Environment Canada’s Warning Preparedness Meteorologist



Water Supply Outlook

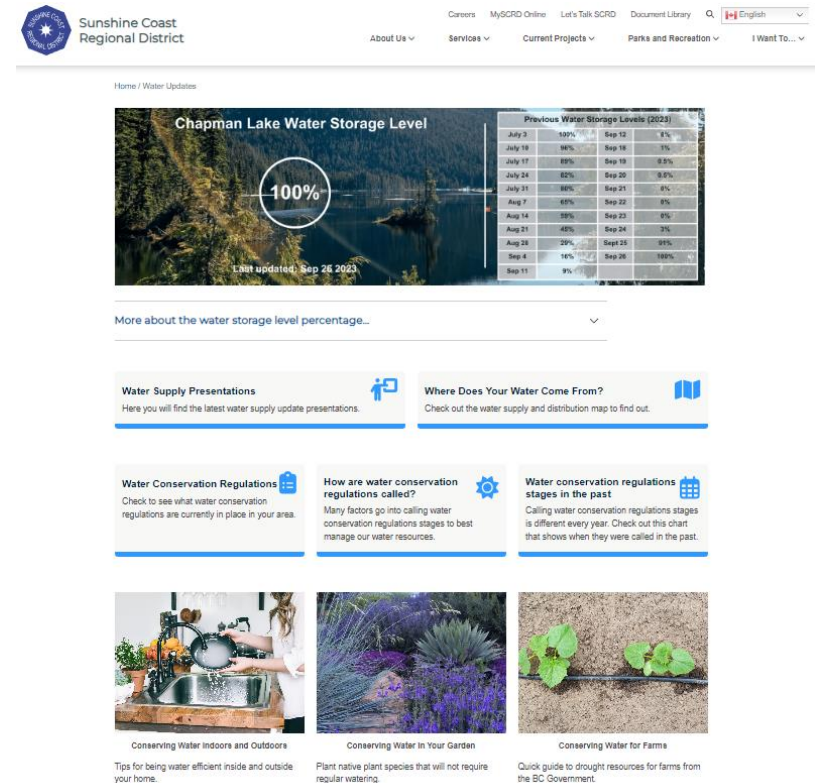
- All regular water supply sources are available: Chapman and Edwards Lakes, Gray Creek, and Chaster Well.
- Church Road wellfield is fully commissioned and capable to provide an additional 4,500 m³ per day (approx. 21 days delay in need to call Stage 4).
- Emergency Siphon Systems at Chapman and Edwards Lakes: approved for use until late summer if Stage 4 in place.



Communications

Building on the successes of last year:

- SCRD Water Updates page (scred.ca/water-updates)
- Advertisements in the Coast Reporter (print and online)
- Over 250 leak notification letters went out this morning. Staff are available to support residents to resolve leaks.
- Water Conservation Regulation Mailouts
- Direct letters to known high-users



Get Ready for Summer:

- MARCH and APRIL - use Water Now!
 - Complete water intense activities
 - Pressure wash decks, siding, fences
 - Clean gutters, cars and driveways
 - Maintain and install rainwater harvesting systems
 - Install drip irrigation systems
 - Test for and Fix all leaks both inside and outside the home
 - Sign up to receive you Monthly Water Use Update (900+ current subscribers) and measure your IMPACT



Learn more

- For current information on water supply and Water Conservation Regulations, visit www.scrd.ca/water-updates.
- Questions?

