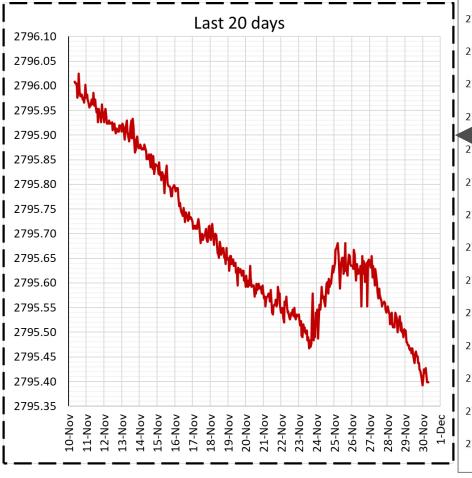
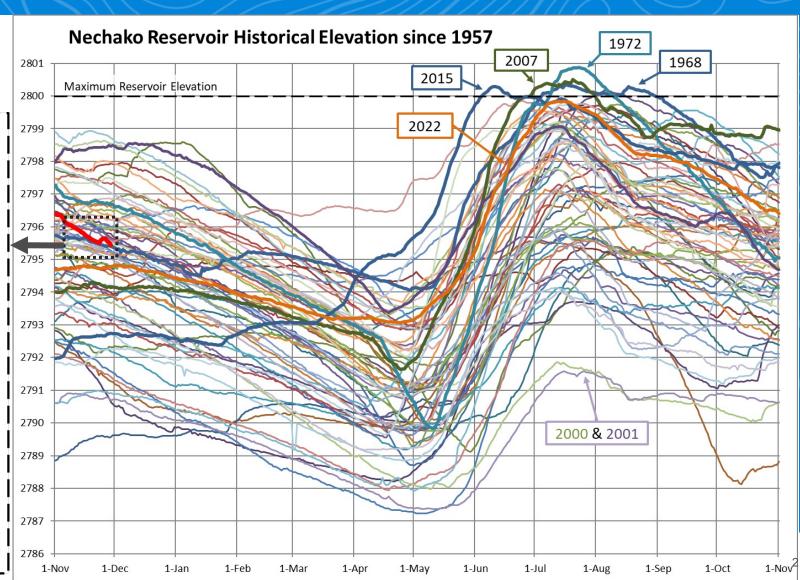


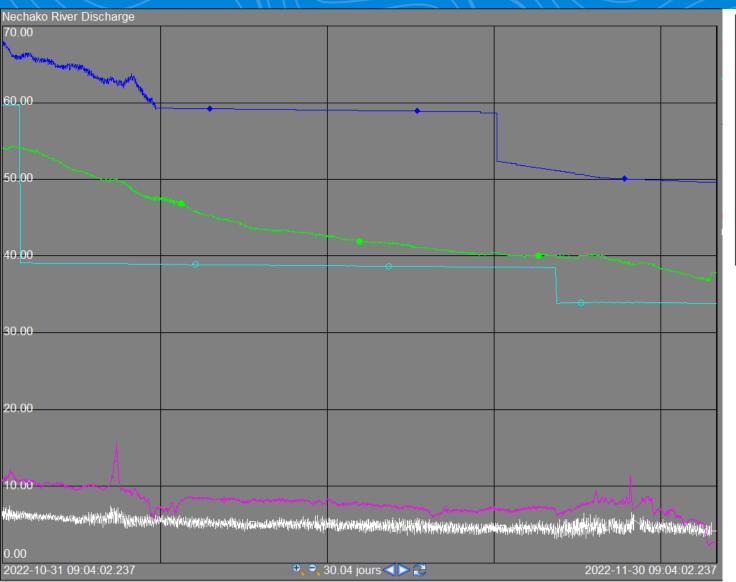
#### Reservoir Elevation - Last 20 days

Current reservoir level: 2795.40 ft





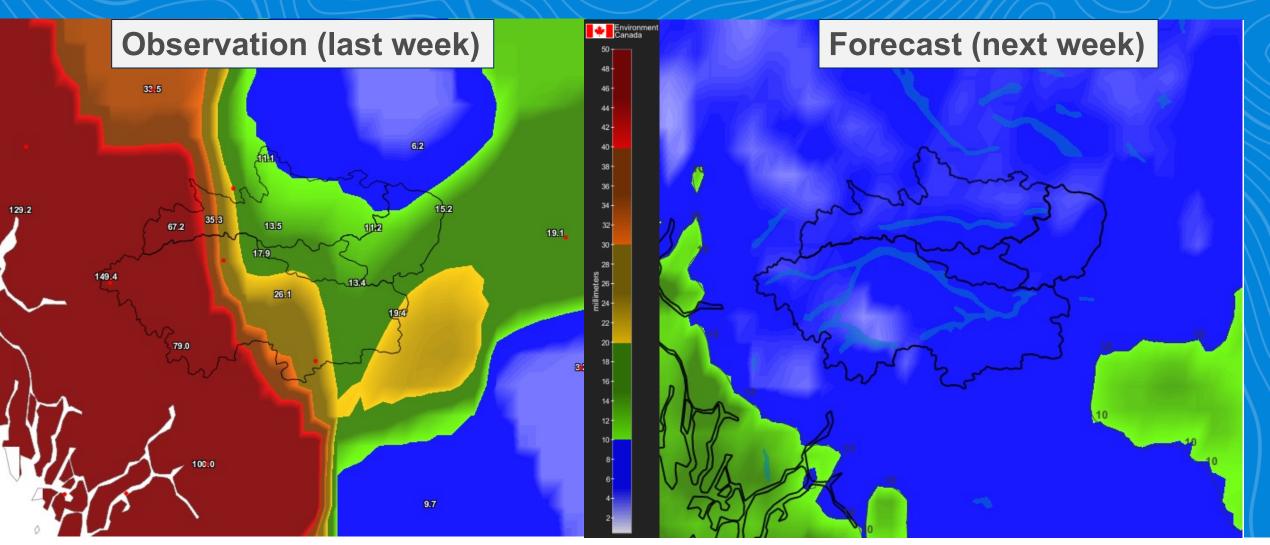
# Flows - Last 30 days



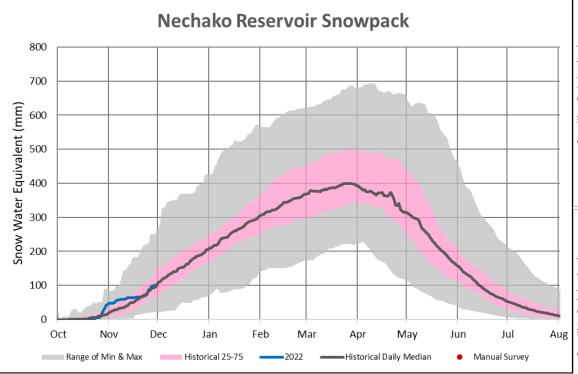
Current values (m³/s)					
Vanderhoof	50*				
Skins Lake	34				
Cheslatta Falls	38				
Nautley	5				
Stellako	4				

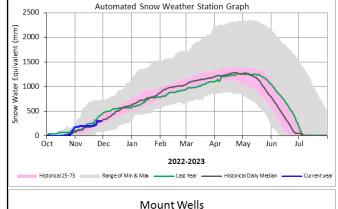
<sup>\*</sup>Approx. Presence of ice on the Nechako River at Vanderhoof

# 7 days cumulative precipitation



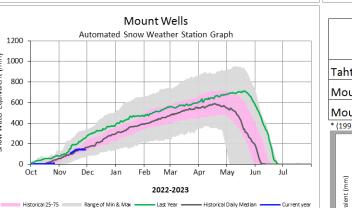
# **Current Snowpack**

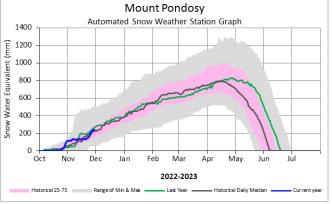




600

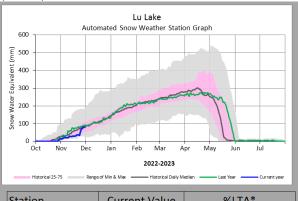
Tahtsa Lake





Station	Current Value (mm)	LTA* (mm)	%LTA*	Percentile Rank*	
Tahtsa Lake	297	343	87%	48%	
Mount Pondosy	241	224	107%	52%	
Mount Wells	145	182	80%	37%	

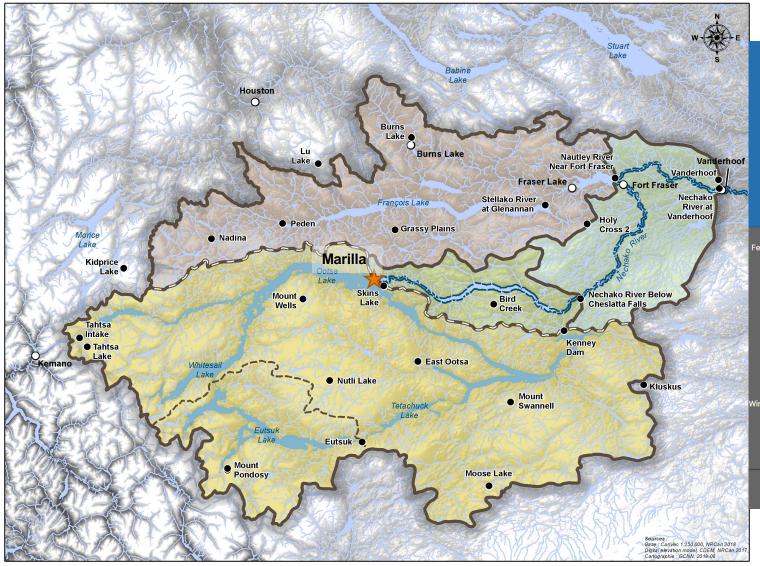
\* (1992-2022)



Station	Current Value	%LTA*
Lu Lake	79	95%

102 mm (94% LTA; 32<sup>rd</sup>/64)

#### **Weather Forecast**



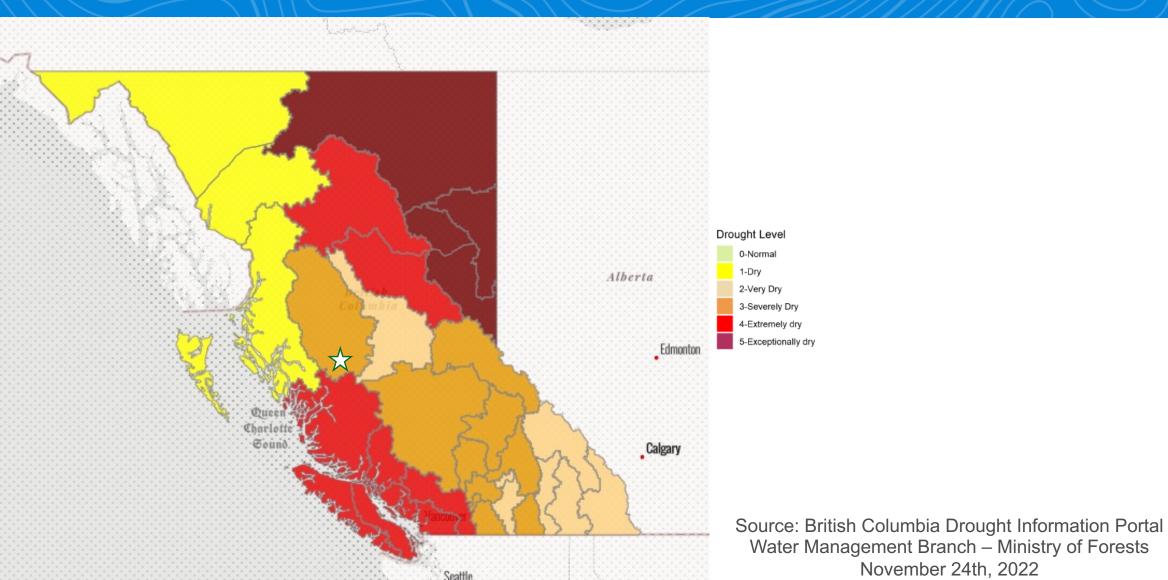
#### **Marilla Weather**

Next 7 Days



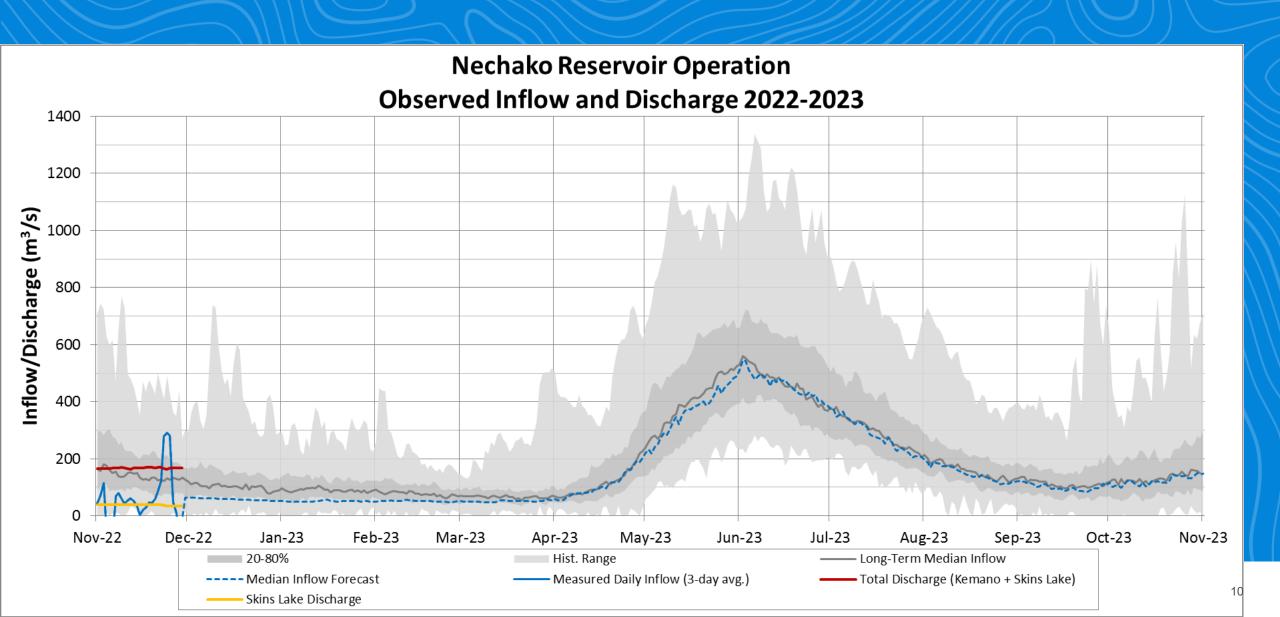
	Thu 12/01 Mainly sunny	Fri 12/02 Cloudy with sunny breaks	Sat 12/03 Mainly sunny	Sun 12/04 A mix of sun and clouds	Mon 12/05 A mix of sun and clouds	Tue 12/06 Mainly cloudy	Wed 12/07 Scattered flurries		
			<b>*</b>			ه			
	-17°	-16°	-15°	-13°	-13°	-11°	-7°		
eels like	-23	-20	-16	-13	-14	-14	-11		
Night	-19°	-20°	-16°	-17°	-15°	-12°	-9°		
POP	20 %	30 %	20 %	30 %	20 %	30 %	40 %		
Wind (km/h)	9 E	9 NE	5 E	3 е	5 s	5 se	9 s		
ind gust (km/h)	14	14	8	5	8	8	14		
Hrs Of Sun	бн	2 h	5 h	2 h	3 h	1 h	2 h		
24 Hr Snow	-	-	-	-	-	-	1-3 cm		

# **Provincial Drought Advisories**



Water Management Branch – Ministry of Forests

#### Observed Inflows & Discharge vs Historical

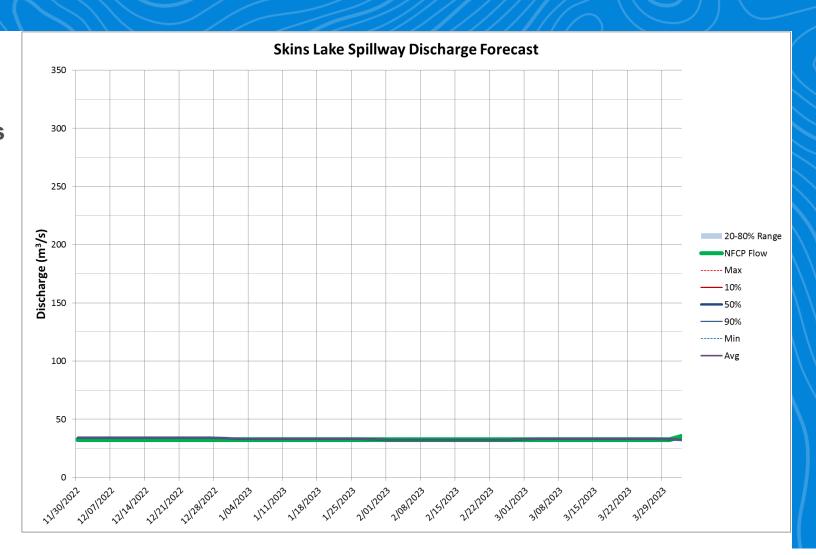


#### Skins Lake Spillway Release Forecast

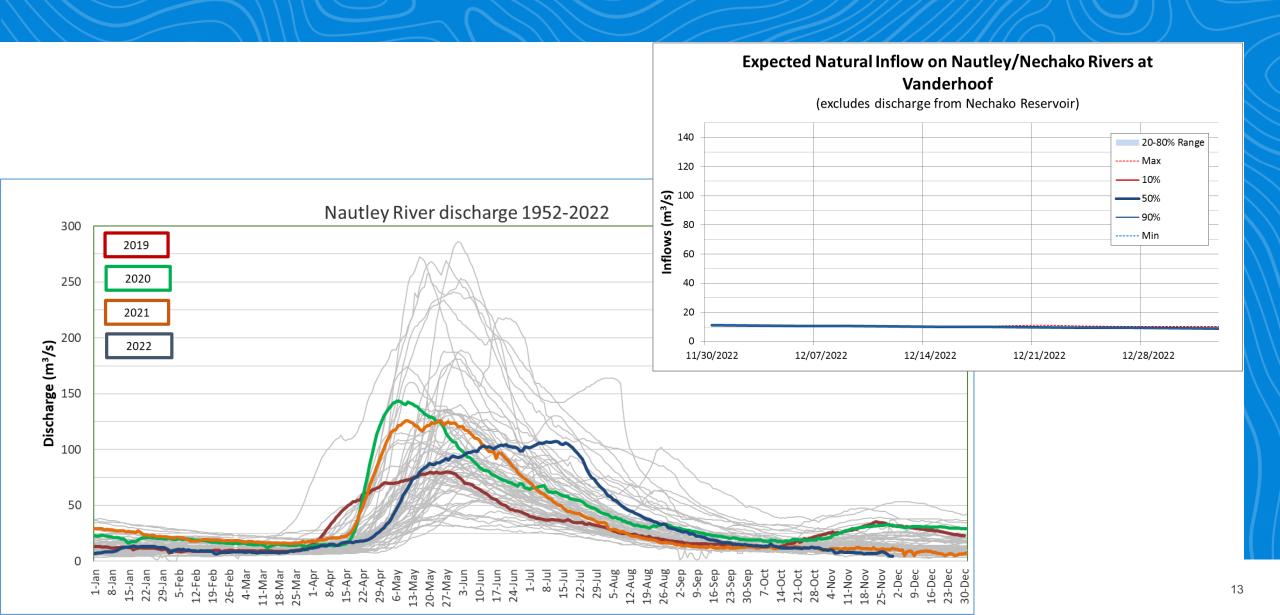
Gate Change (November 1st) = **39 m³/s** 

Gate Change (November 23rd) = **34 m³/s** 

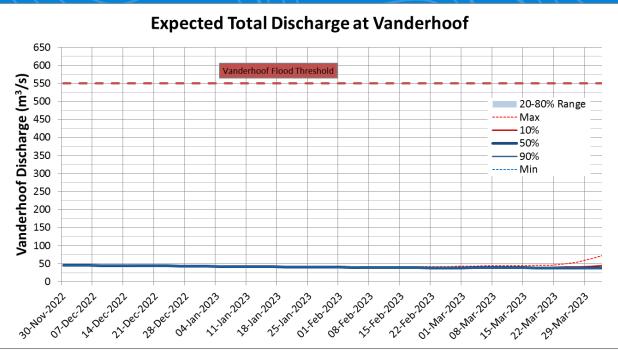
Winter minimum = 32 m³/s



#### Nautley River Flows, Forecast



#### Forecast - Vanderhoof



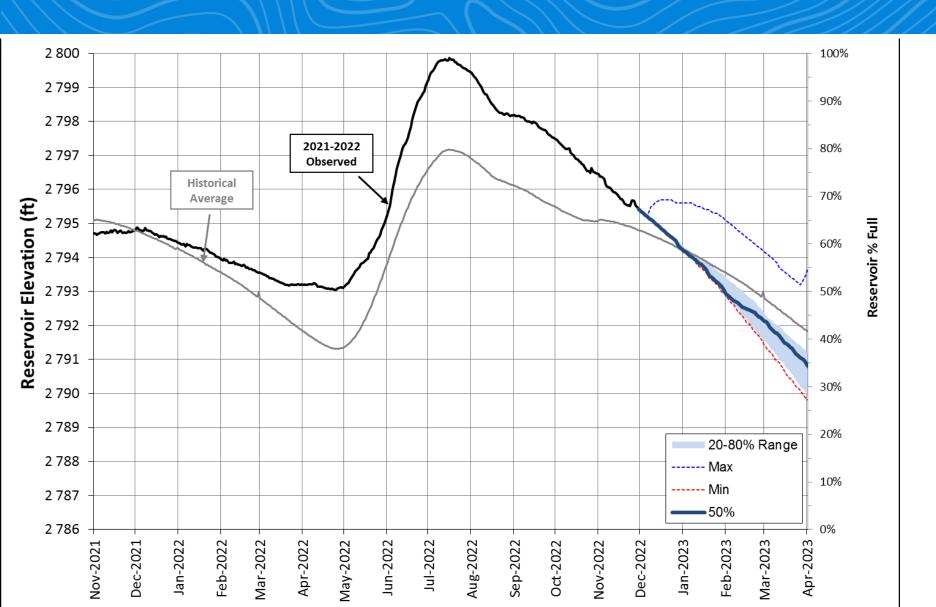


Reading at 08 AM (m³/s)	Forecast Daily Discharge (m³/s): AVERAGE LOWER BOUND									
Fri	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
2022-11-25	2022-11-25	2022-11-26	2022-11-27	2022-11-28	2022-11-29	2022-11-30	2022-12-01	2022-12-02	2022-12-03	2022-12-04
	50(8	51.9	52.5	52.0	51.9	51.6	51.4	51.1	50.7	50.0
50.3	50.2	50.3	50.0	49.2	48.2	47.1	46.0	44.8	43.7	42.5
3.74	49.6	48.7	47.5	46.4	44.6	42.7	40.7	38.7	36.8	35.1
RTP=1Y RTP=2Y RTP=5Y R					RTP=10Y	RTP=20Y	RTP=50Y	RTP=100Y	2007 Peak	
Color Schem	e for Return	Periods:	137.4	364.1	499.7	589.4	675.5	786.9	870.4	791.0
		20 10.00000					(1			(m3/s)

Remark: This station is labeled as "regulated", and the forecast is the sum of natural flows and extended regulated flow from 08JA017.

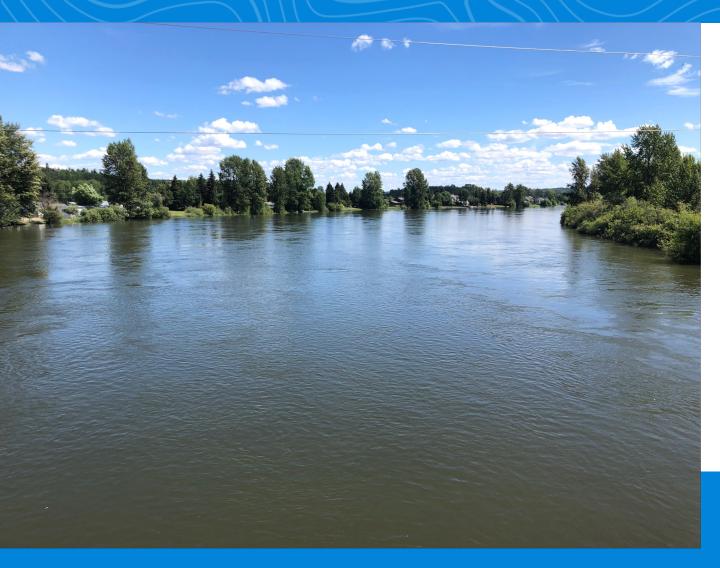


# Reservoir Level Projection



NECHAKO RESERVOIR Observed and Projection 2021-2023 30-nov-2022 Projection - SDP V7.13.26

#### Next Steps - Actions

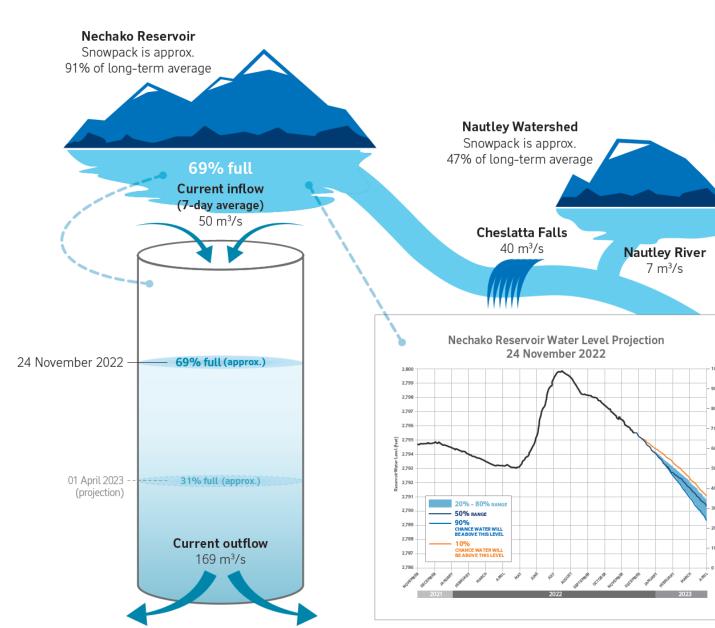


- 1. Model update and communications.
- 2. Monitoring work to learn from 2022 release
- 3. Continue to update on Smelter Re-Start
- 4. Confirm next meeting date **Propose** 
  - (3w) December 21st,
  - (4w) December 28th,
  - (5w) January 4th, or
  - (6w) January 11th.

Presentations are available on the Get Involved Nechako website under 'Our Operations'. Recordings can be requested up to 30 days following the meeting

#### Flow facts of last Thursday

#### Current Conditions - 24 November 2022



#### Nechako Reservoir operations update

- Skins Lake Spillway discharge was recently reduced from ~40 m³/sec to 34 m³/sec. Discharge will likely be maintained between 32 m³/sec and 34 m³/sec for the duration of the winter period.
- To subscribe to weekly updates email us at nechakoreservoirupdates@riotinto.com



