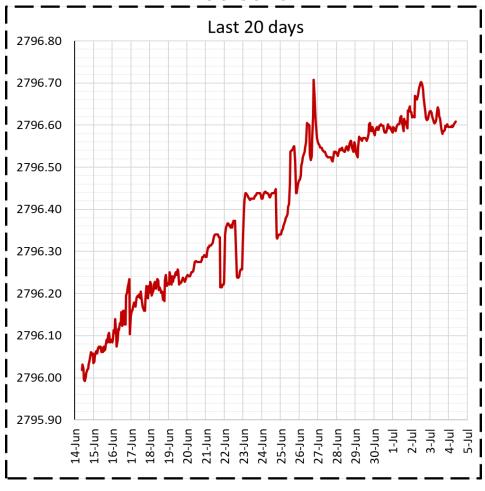
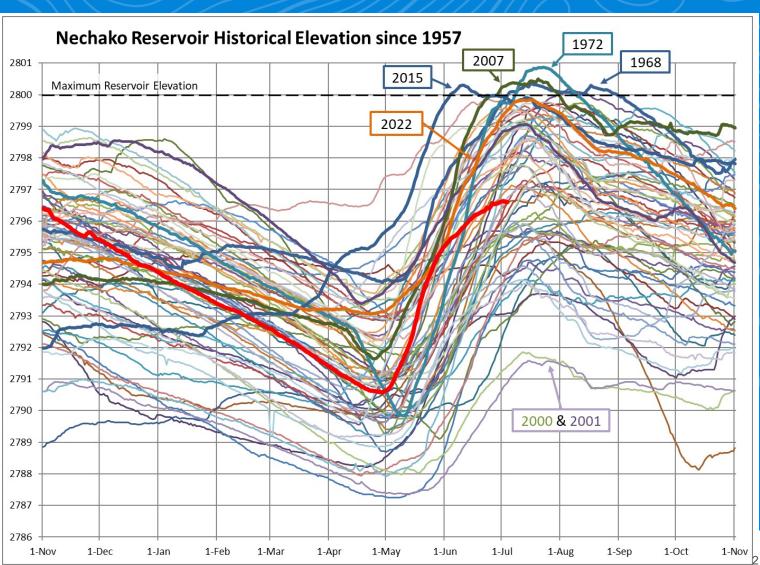


#### Reservoir Elevation - Last 20 days

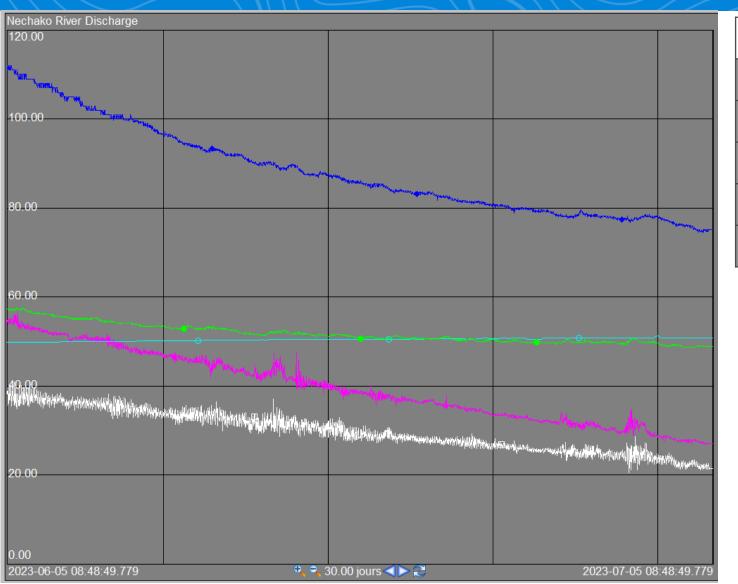
Current reservoir level

2796.60 ft



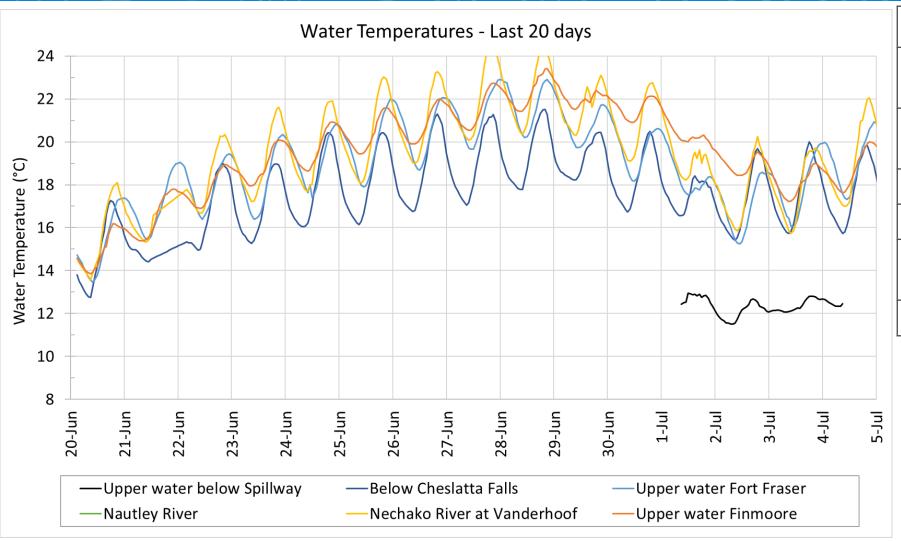


# Flows - Last 30 days



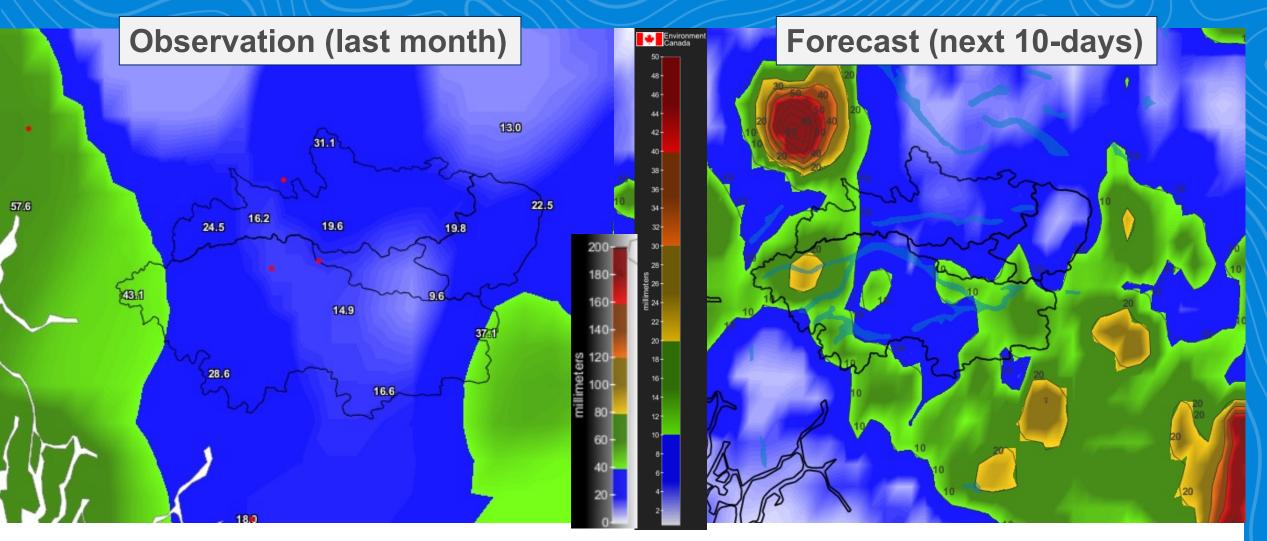
Current values (m³/s)				
Vanderhoof	75			
Skins Lake	<b>51</b>			
Cheslatta Falls	49			
Nautley	27			
Stellako	22			

#### Observed Water Temperatures – Last 20 days



Average – Last 24h (°C)					
Upper water below spillway	N/A				
Nechako River below Cheslatta Falls	17.7				
Upper water Fort Fraser	19.2				
Nautley River	N/A				
Nechako River at Vanderhoof	19.4				
Upper water Finmoore	18.8				

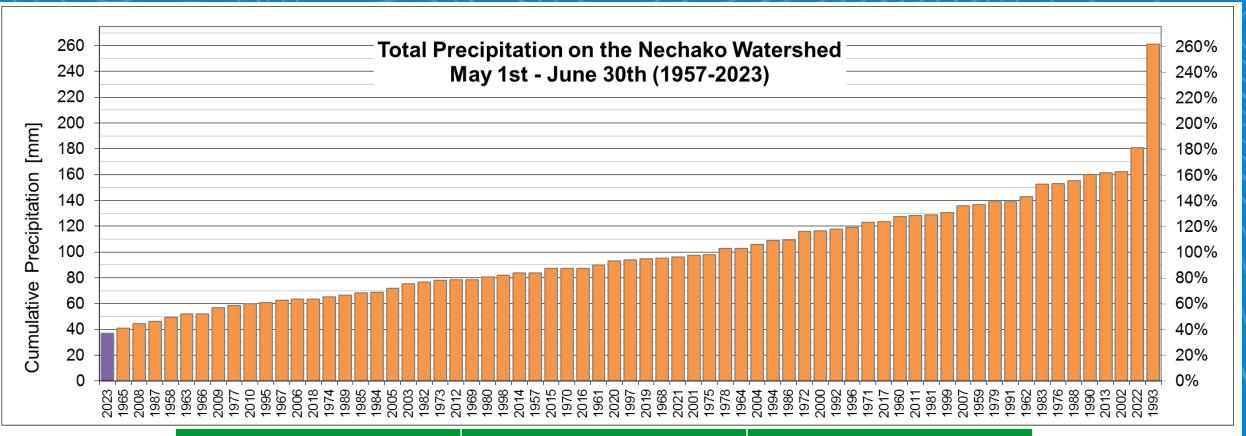
## Past & Future cumulative precipitation



Nechako Reservoir watershed area-average = 28 mm

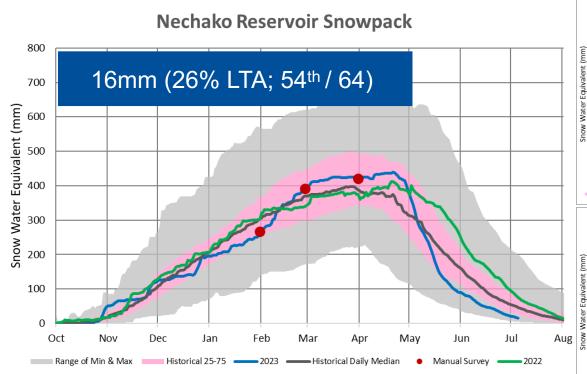
Nechako Reservoir watershed area-average = 5-25 mm

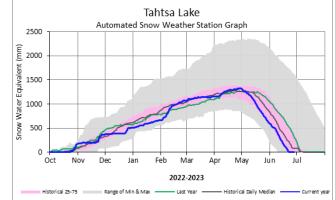
#### Past cumulative precipitation

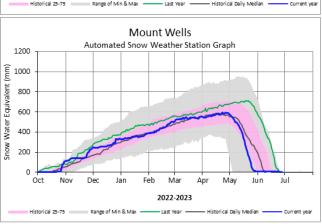


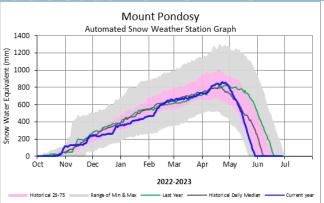
Period	Total Precip.	Rank		
June	26 mm (44% LTA)	5th driest		
May-June	37 mm (37% LTA)	1st		
April-May-June	84 mm (59% LTA)	5th driest		

## **Current Snowpack**

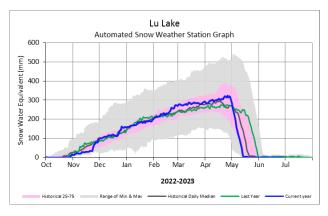






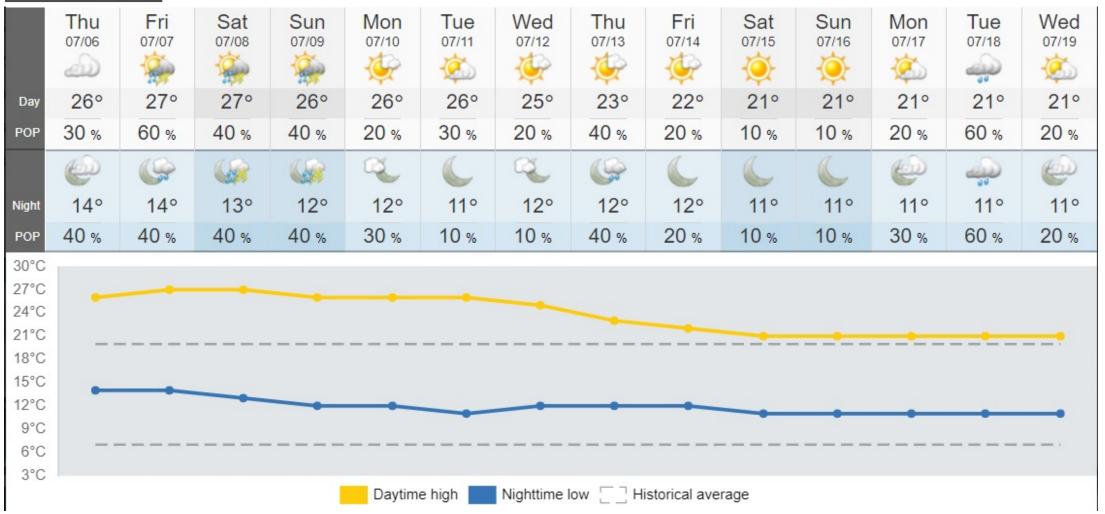


Station	Current Value (mm)	LTA* (mm)	%LTA*	Percentile Rank*	
Tahtsa Lake	0	165	0%	0%	

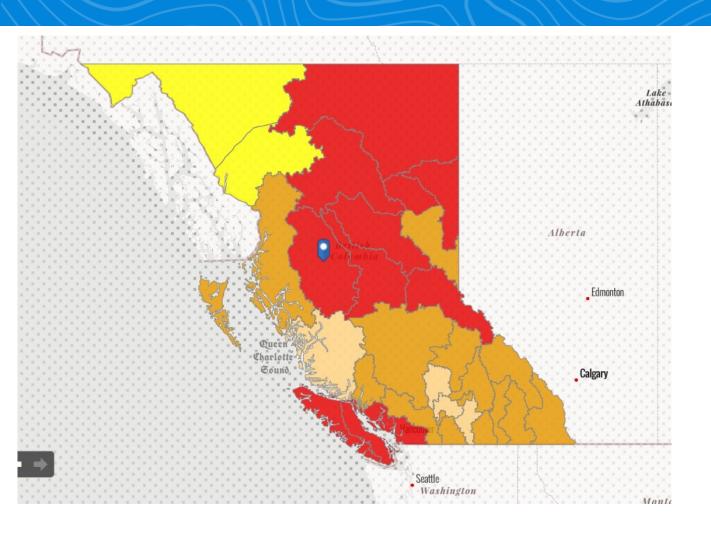


#### **Weather Forecast**

#### **Marilla Weather**



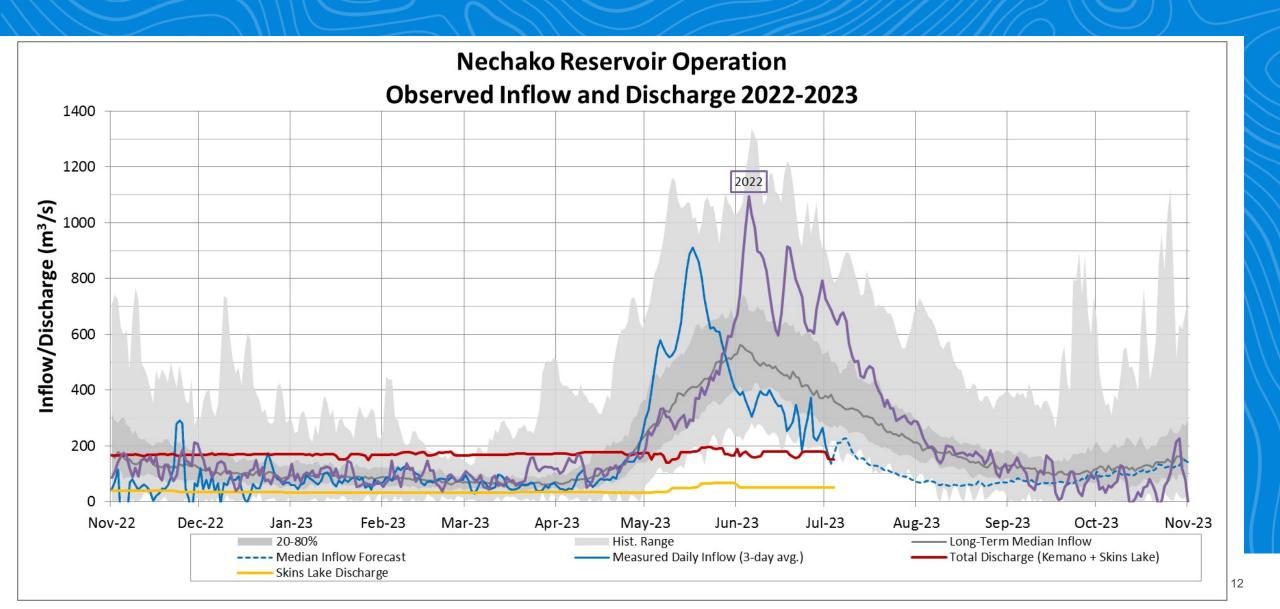
## **Provincial Advisories - Drought**



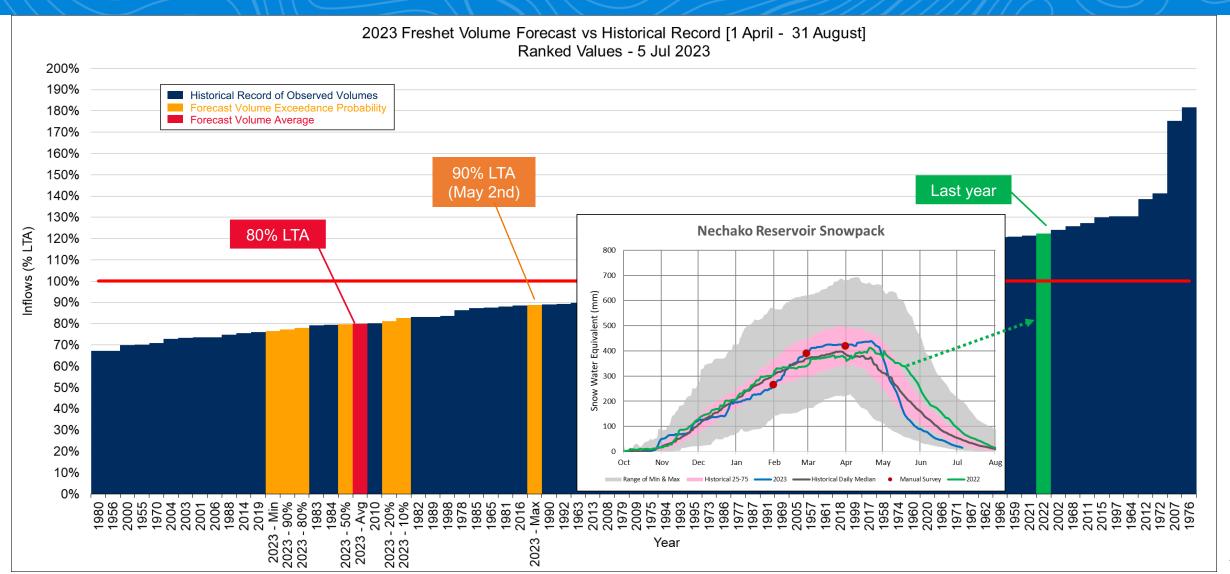
Last updated : June 29th Drought Level 4 : Adverse Impacts Likely

Source: British Columbia Drought Information Portal Water Management Branch – Ministry of Forests

## Observed Inflows & Discharge vs Historical



## Spring Freshet Inflow Volume

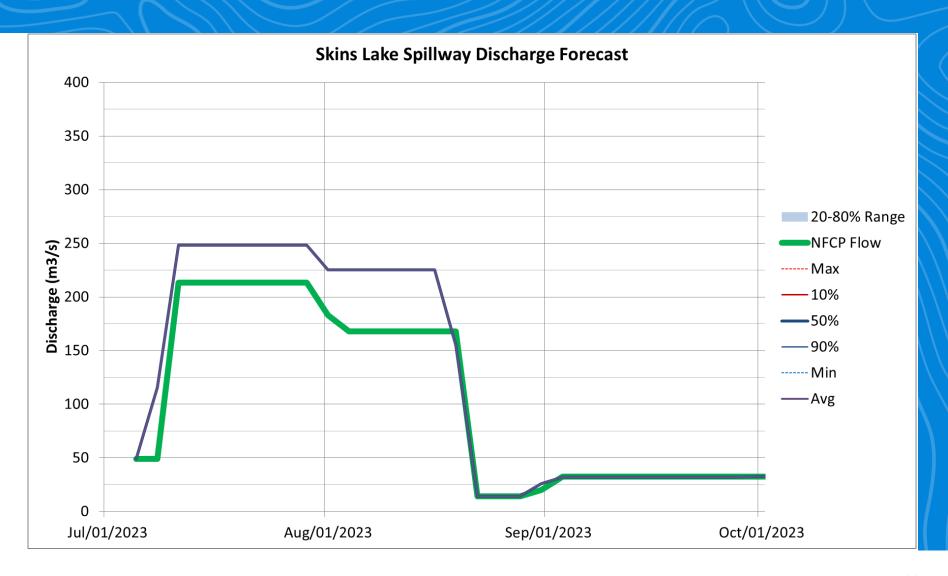


#### Skins Lake Spillway Release Forecast

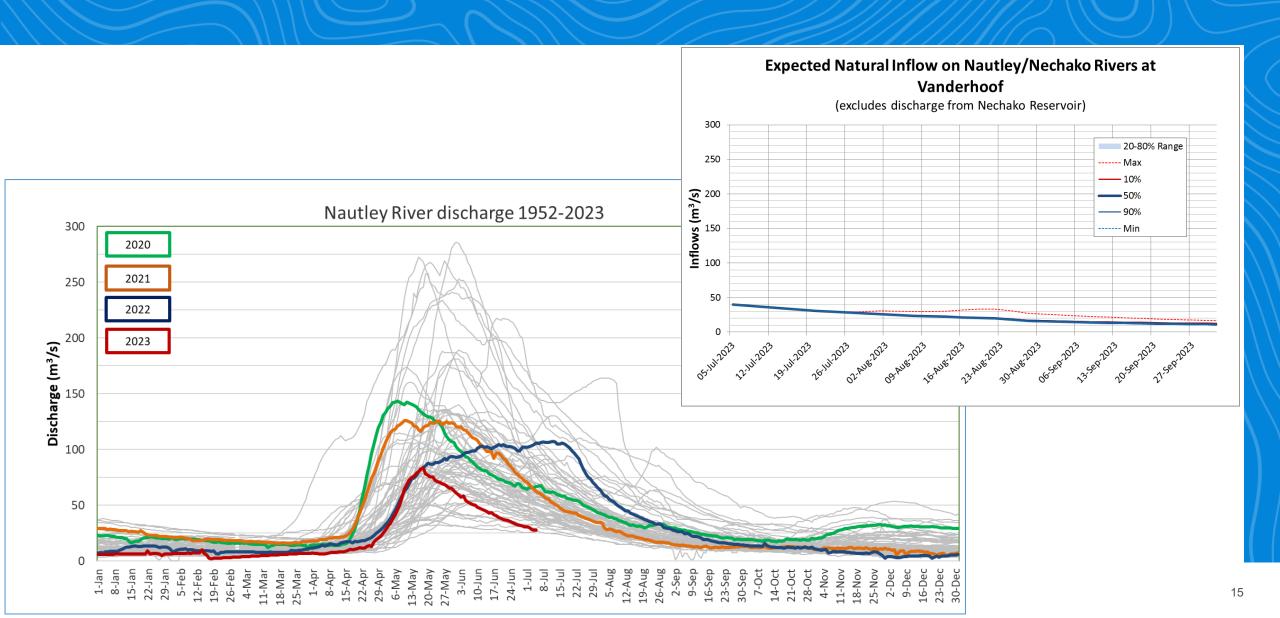
Current =  $\sim 50 \text{ m}^3/\text{s}$ Minimum =  $49 \text{ m}^3/\text{s}$ 

STMP historical average Discharge = **192 m³/s** 

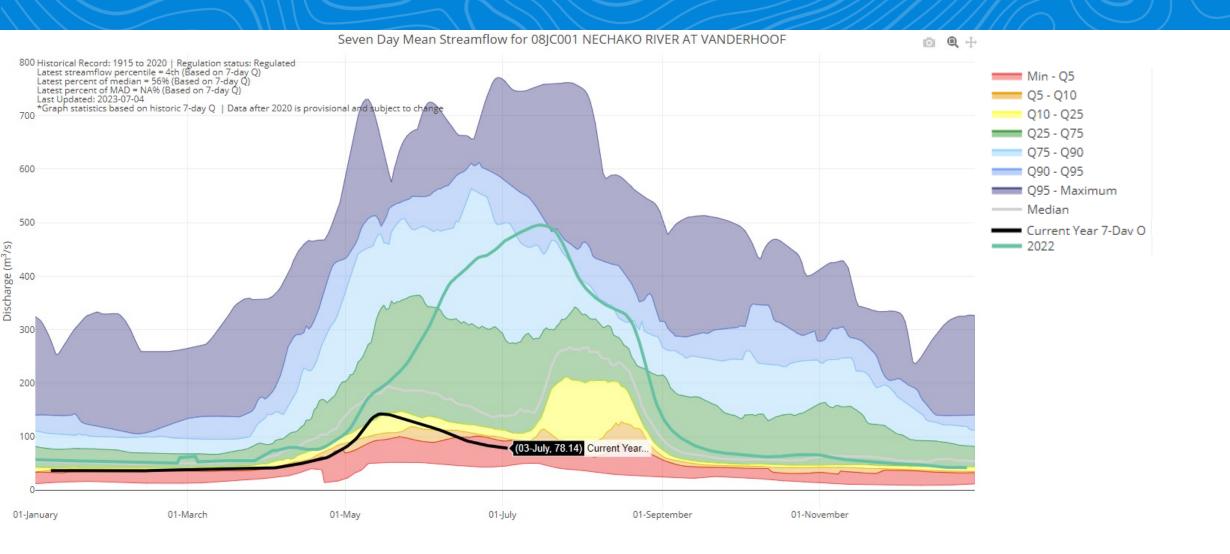
STMP modeled Discharge = 238 m³/s (same as 2003 & 2012, 2nd and 3rd highest on record)



## **Nautley River Flows, Forecast**

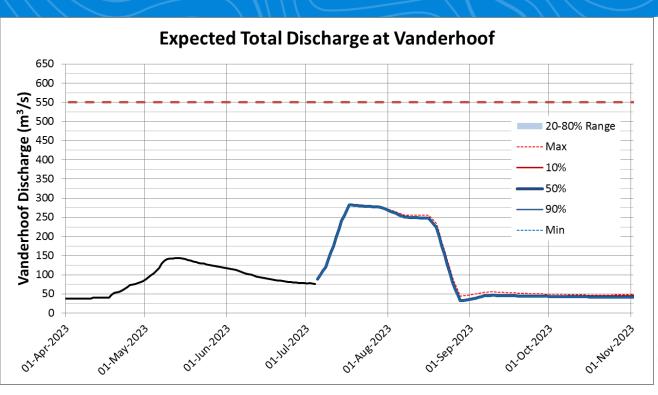


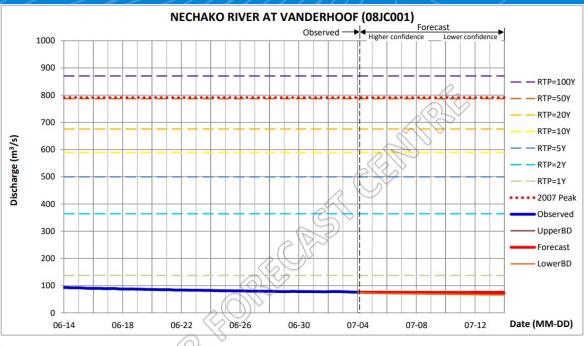
#### Vanderhoof





#### Forecast - Vanderhoof



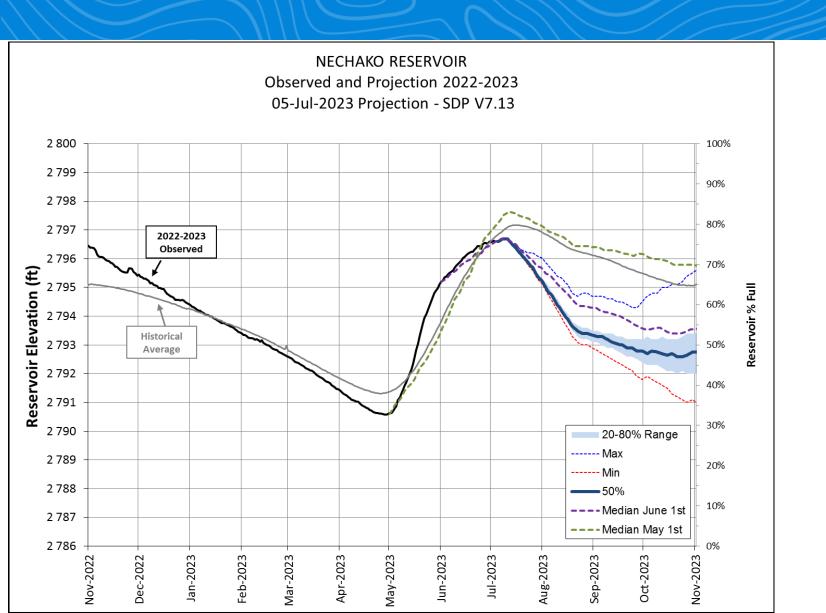


Reading			200		11		UPPER BOUN	D		
at 06 AM	Forecast Daily Discharge (m³/s): AVERAGE									
(m <sup>3</sup> /s)	LOWER BOUND					, ,				
Tue	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
2023-07-04	2023-07-04	2023-07-	05 2023-07-06	2023-07-07	2023-07-08	2023-07-09	2023-07-10	2023-07-11	2023-07-12	2023-07-13
	77.6	7	3.0 77.9	77.8	77.7	77.7	77.7	78.0	78.2	78.3
75.8	75.4	74	.7 74.3	74.0	73.7	73.4	73.1	72.9	72.6	72.4
2001	73.3	7	.6 70.8	70.3	69.7	69.2	68.6	67.8	67.0	66.4
			RTP=1Y	RTP=2Y	RTP=5Y	RTP=10Y	RTP=20Y	RTP=50Y	RTP=100Y	2007 Peak
Color Scheme for Return Periods:		137.4	364.1	499.7	589.4	675.5	786.9	870.4	791.0	
										(m3/c)

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



#### **Updates - Next Steps - Actions**



- Model update and communications STMP, Generation etc
- 2. Monitoring work in the field
- 3. 2023 7 Yearly Dam Safety Review underway
- 4. Continue to update on Smelter Re-Start currently at 90% full production
- 5. Confirm next meeting date & time
  - Propose July 19th

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

