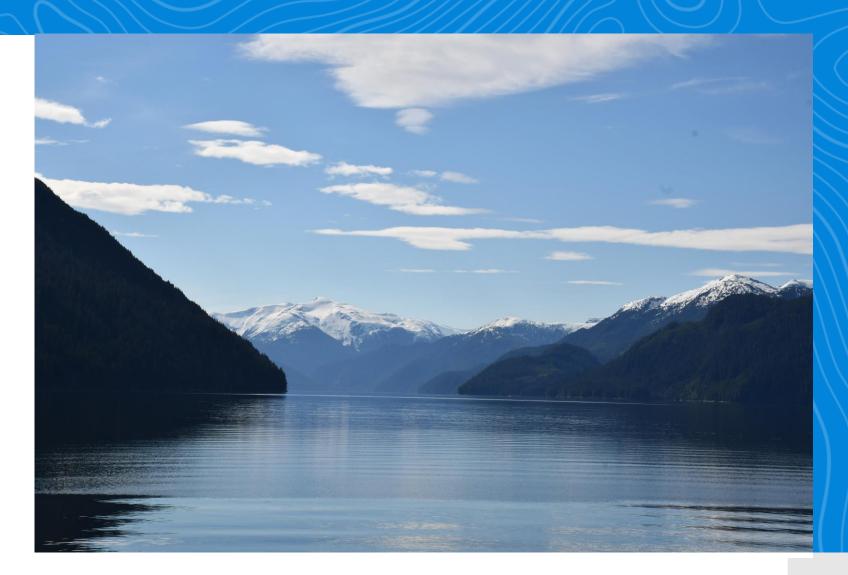
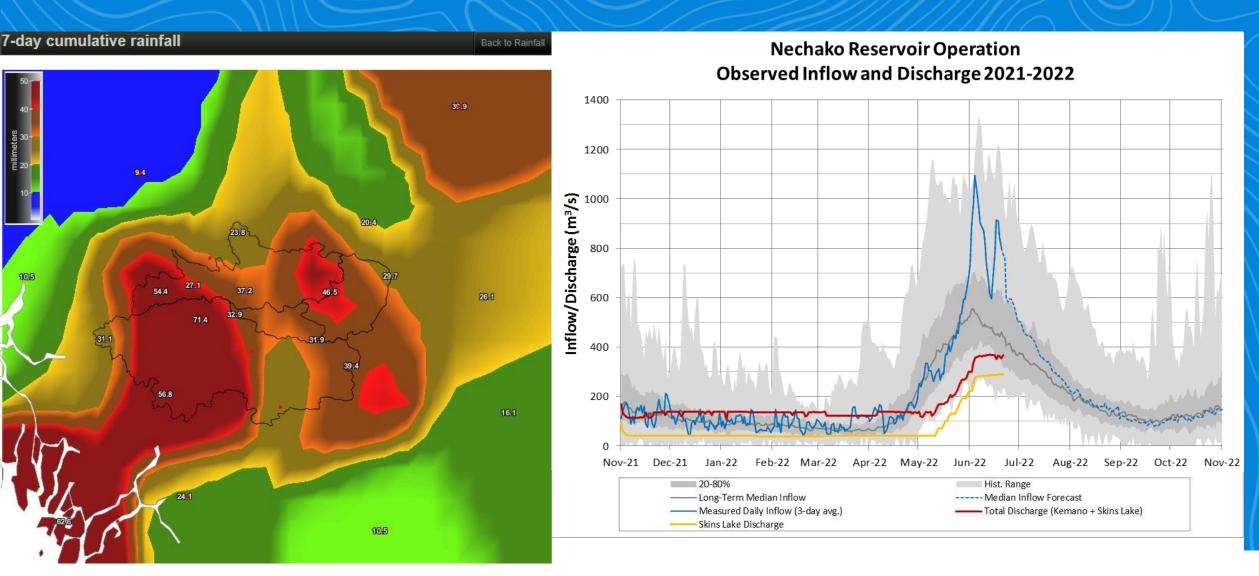


#### **Key Focus**

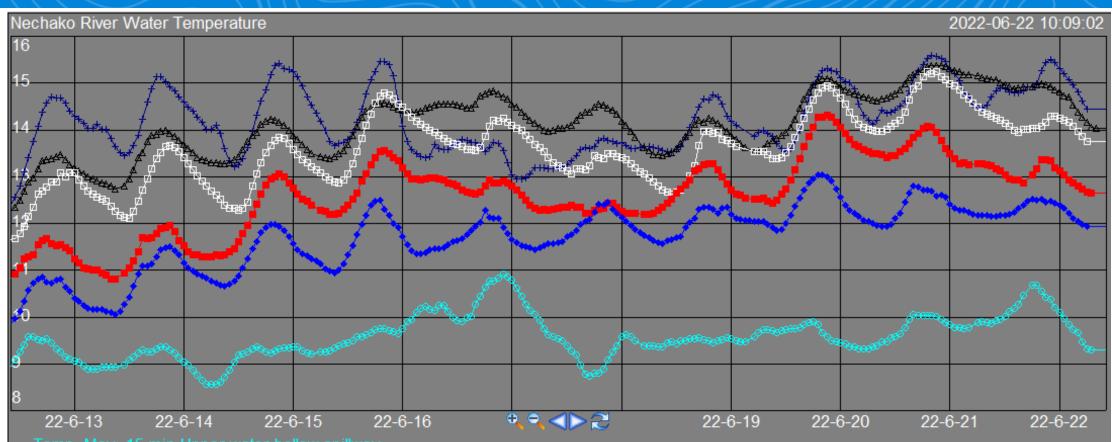
- 1. Current Watershed Data: Precipitation and elevation
- Freshet Forecast,
  looking to the spring
  / summer and next
  steps



#### Observed Precipitation, Inflows vs Historical

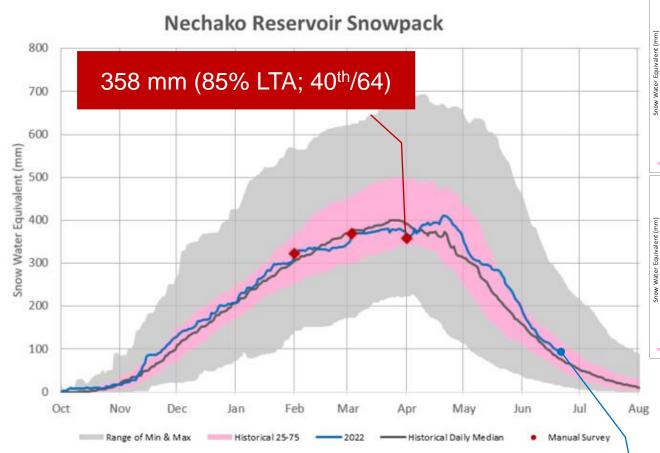


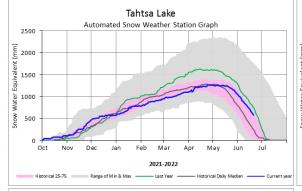
#### **Observed Water Temperatures**

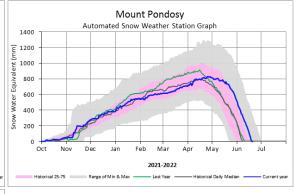


- Temp. Moy. 15 min Upper water bellow spillway
- Nechako River below Cheslatta Falls water temperature
- Temp. Moy. 15 min Upper water Fort Fraser
- □ Nechako River at Vanderhoof water temperature
- △ Temp. Moy. 15 min Upper water Finmoore
- + Nautley River water temperature

## **Current Snowpack**



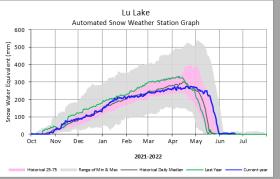




Mount Wells								
	1200	Automated Snow Weather Station Graph						
(mm)	1000							
valent	800							
r Equi	600	The state of the s						
Snow Water Equivalent (mm)	400							
Sno	200							
	0 .	ict Nov Dec Jan Feb Mar Apr May Jun Jul						
2021-2022								
Historical 25-75 Range of Min & Max Last Year Historical Daily Median Current year								

Station	Current Value (mm)	LTA* (mm)	%LTA*	Percentile Rank*		
Tahtsa Lake	547	411	133%	71%		
Mount Pondosy	0	31	0%	0%		
Mount Wells	48	10	474%	96%		
* /1002_2021\						

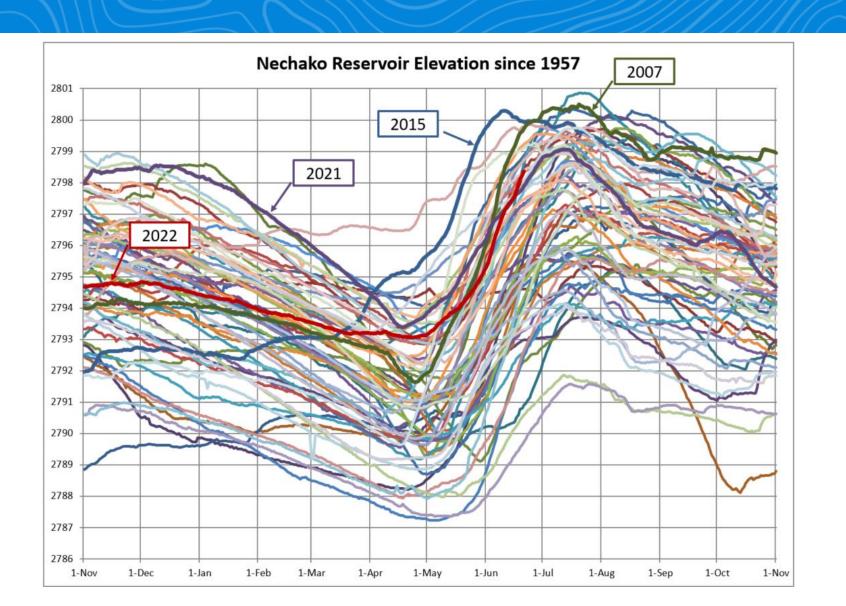
\* (1992-2021)



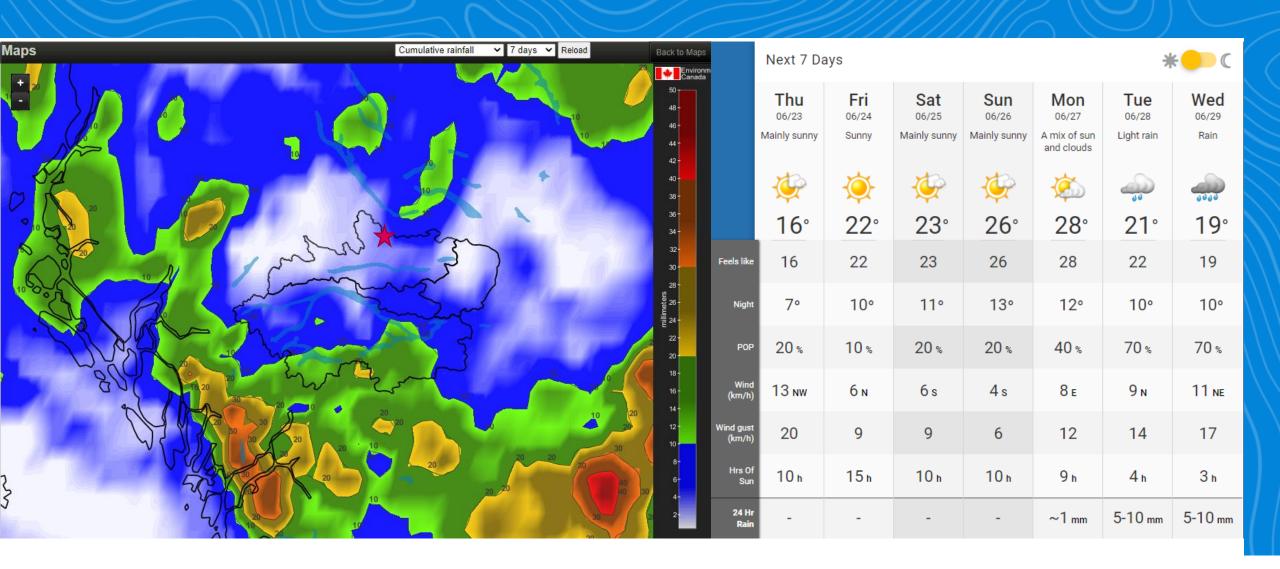
Station	Current Value	%LTA*					
Lu Lake	0	0%					
* (1997-2021)							

85 mm (96% LTA; 27<sup>th</sup>/64)

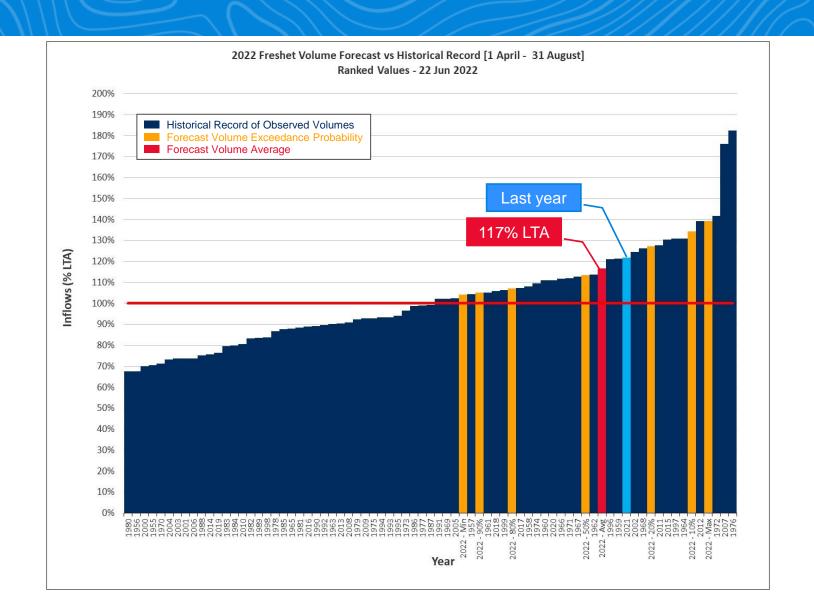
#### **Historical Reservoir Elevation**



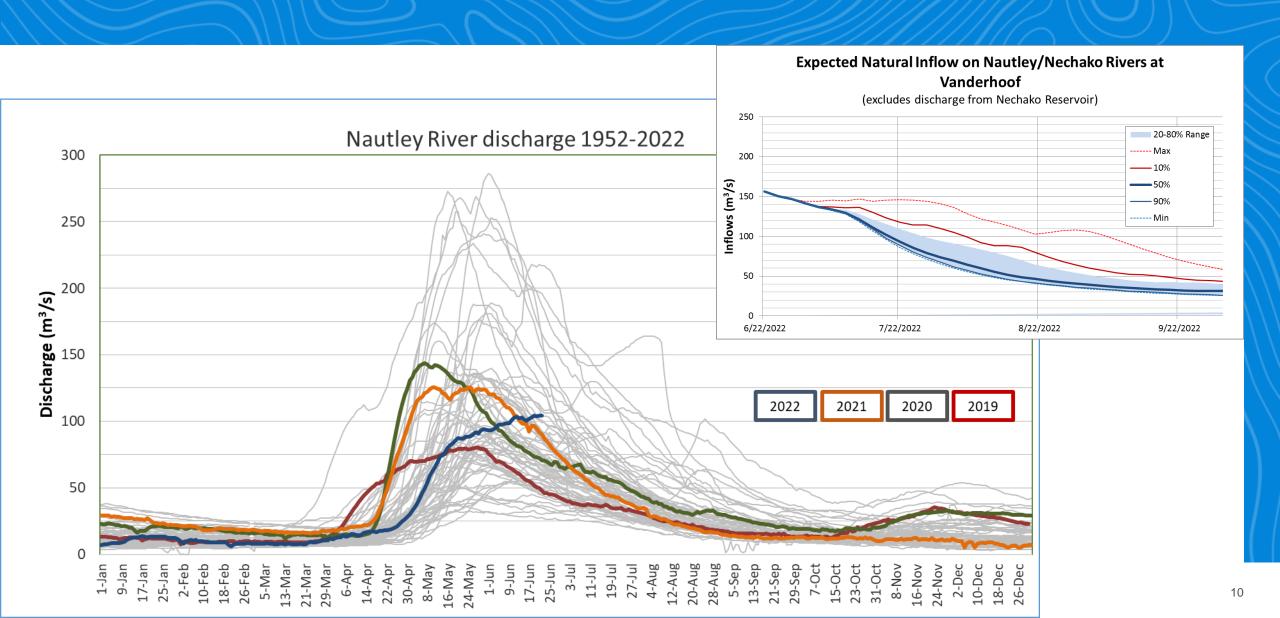
#### 7 Day Weather Forecast



# **Spring Freshet Inflow Forecast**

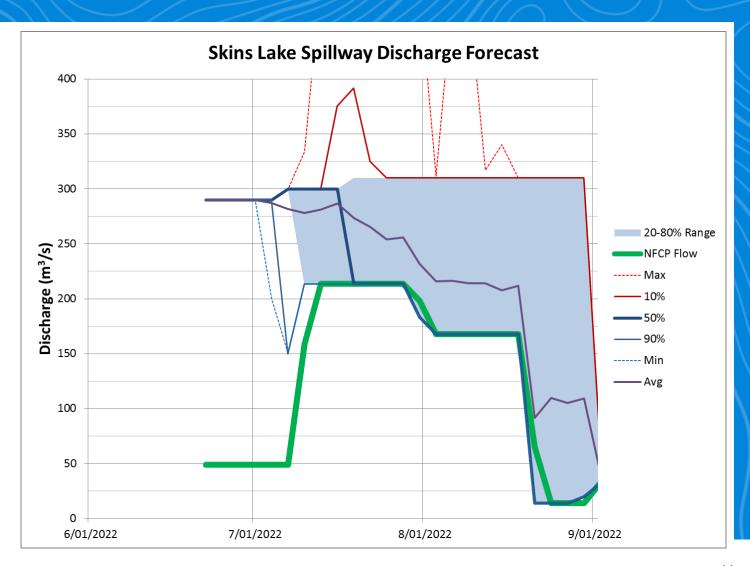


#### **Nautley River Flows, Forecast**

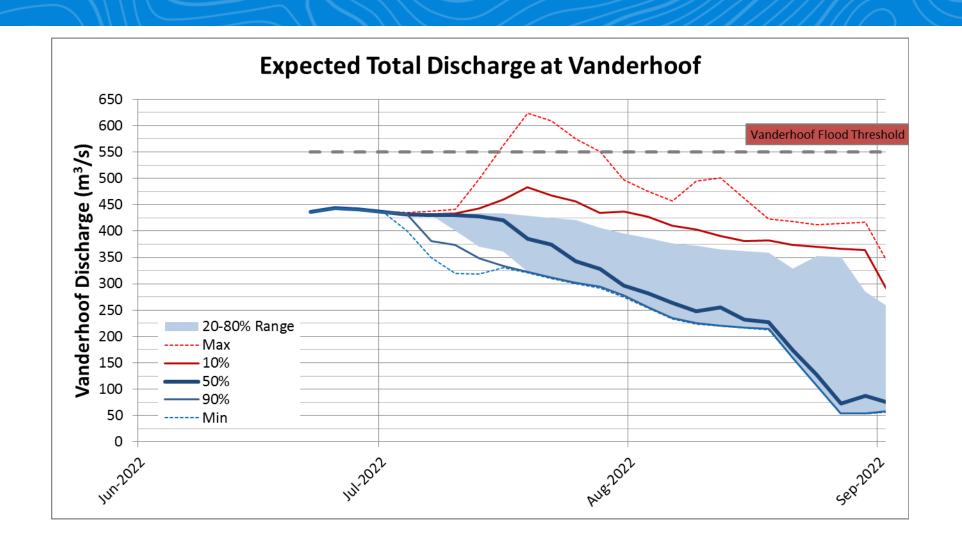


## **Spillway Management**

- SLS discharge is currently at 290 m<sup>3</sup>/s
- Smelter Re-Start plan integrated
- Flood risk; Murray Cheslatta System 20% and Vanderhoof 5-10%



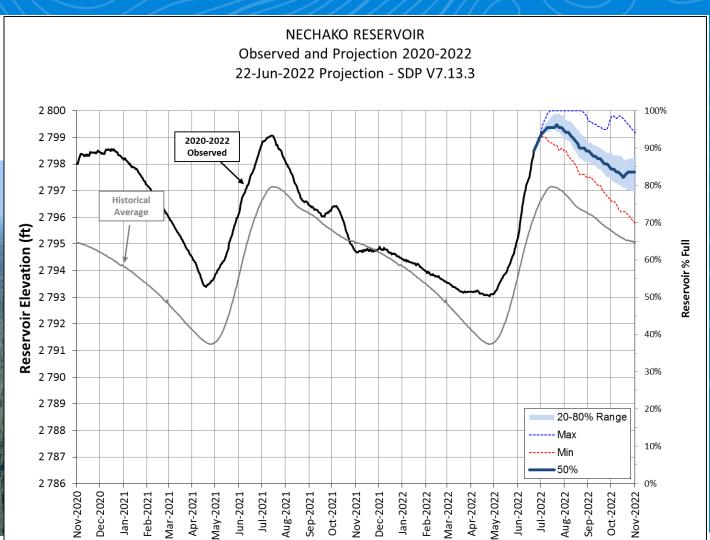
#### Forecast - Vanderhoof



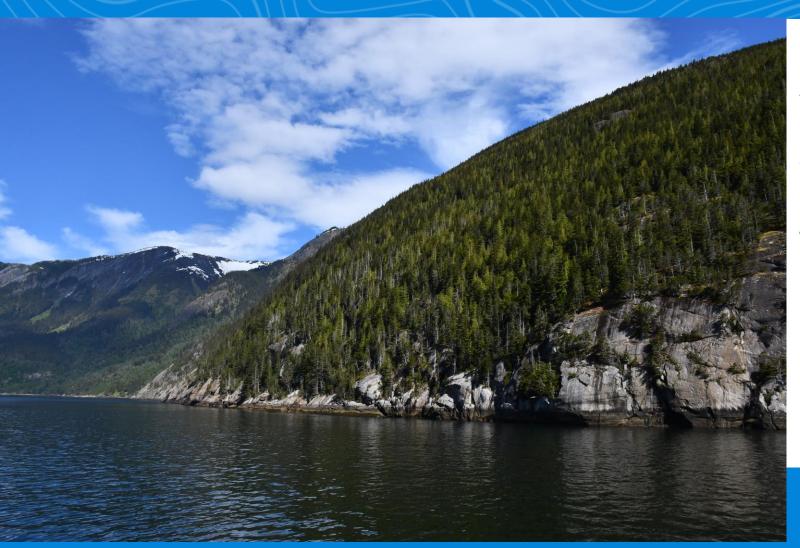
#### Reservoir Level Projection

 Inflow projections are used to estimate reservoir levels over time considering current hydrology and historically observed additional snow and rain.





### **Next Steps – Actions**

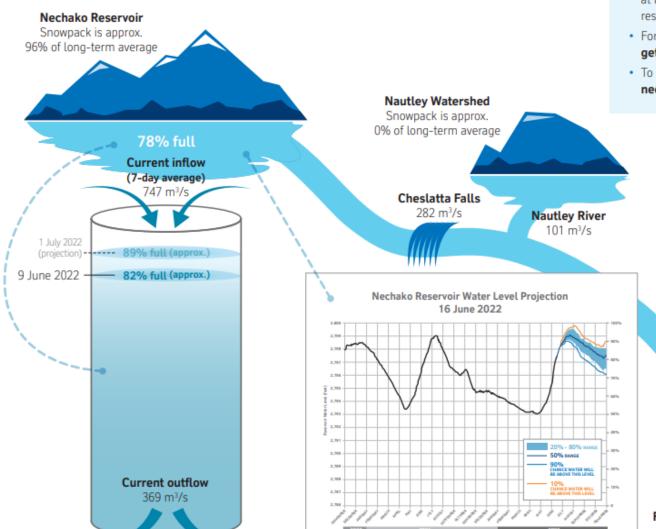


- 1. Model update and communications.
- 2. Monitoring work to learn from 2022 release
- 3. Continue to update on Smelter Re-Start
- Confirm next meeting date 29 June or 06 July

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

#### RioTinto

#### Current Conditions - 16 June 2022



#### Nechako Reservoir operations update

- Skins Lake Spillway discharge will be maintained at approximately 285 m³/sec for at least another week to control the rise of the reservoir level with the ongoing Spring freshet.
- For real time information and updates visit getinvolvednechako.ca
- To subscribe to weekly updates email us at nechakoreservoirupdates@riotinto.com

