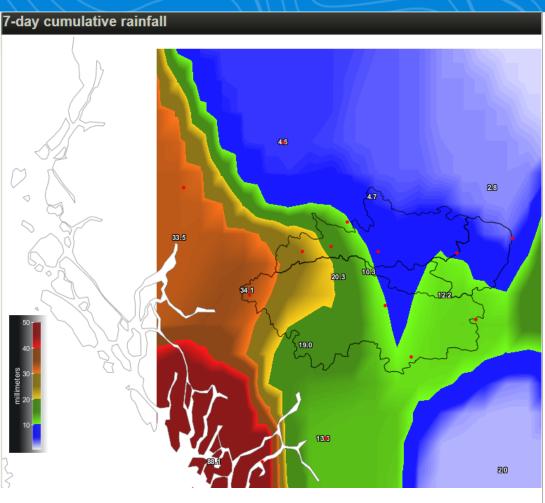


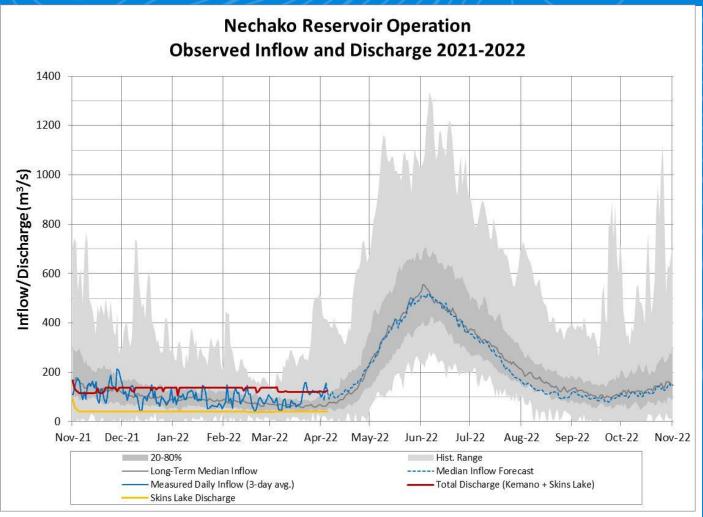
## **Key Focus**

- 1. Current Watershed Data: Precipitation and elevation
- Freshet Forecast, looking to the spring and Next Steps

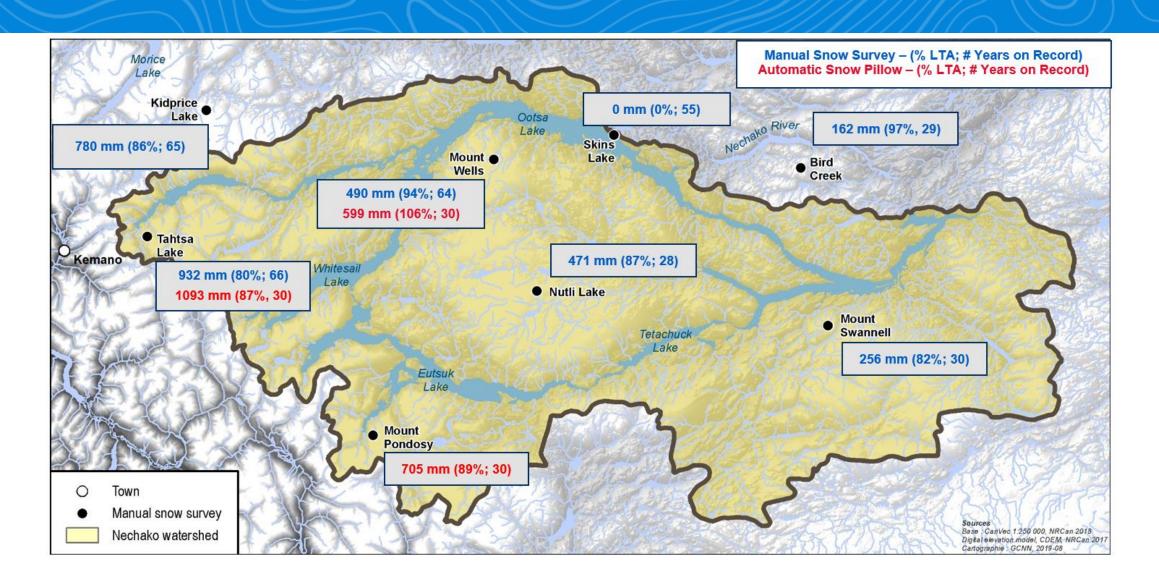


## Observed Precipitation, Inflows vs Historical

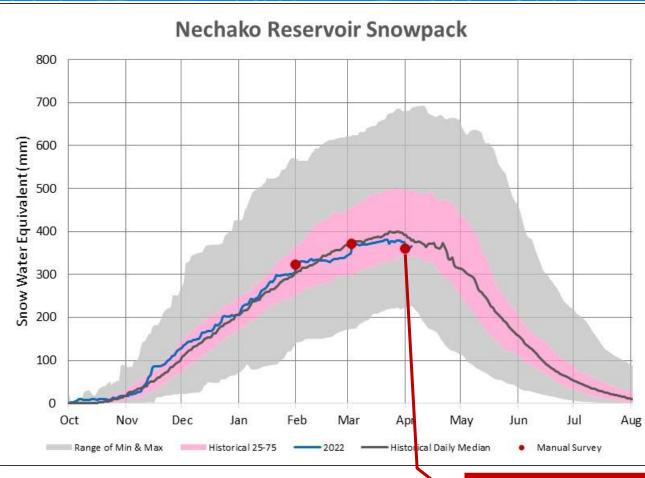


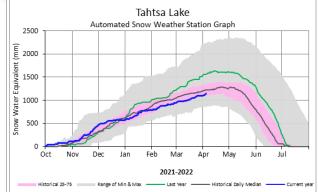


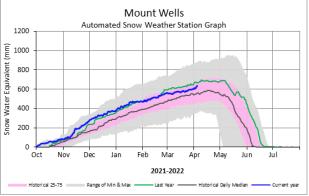
## Manual Snow Survey 2-3 Mar. 2022

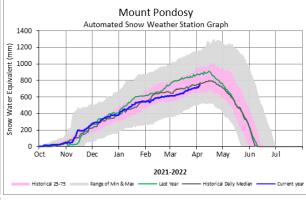


# **Current Snowpack**



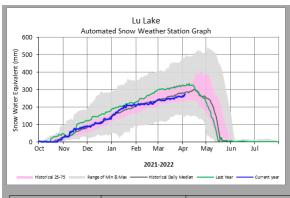






Station	Current Value (mm)	LTA* (mm)	%LTA*	Percentile Rank*
Tahtsa Lake	1146	1277	90%	28%
Mount Pondosy	746	798	94%	48%
Mount Wells	637	574	111%	62%

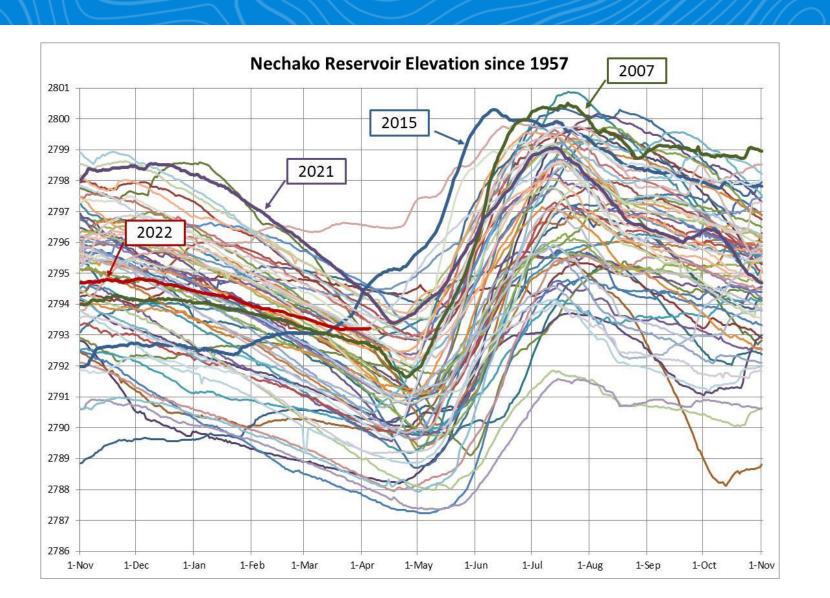
\* (1992-2021)



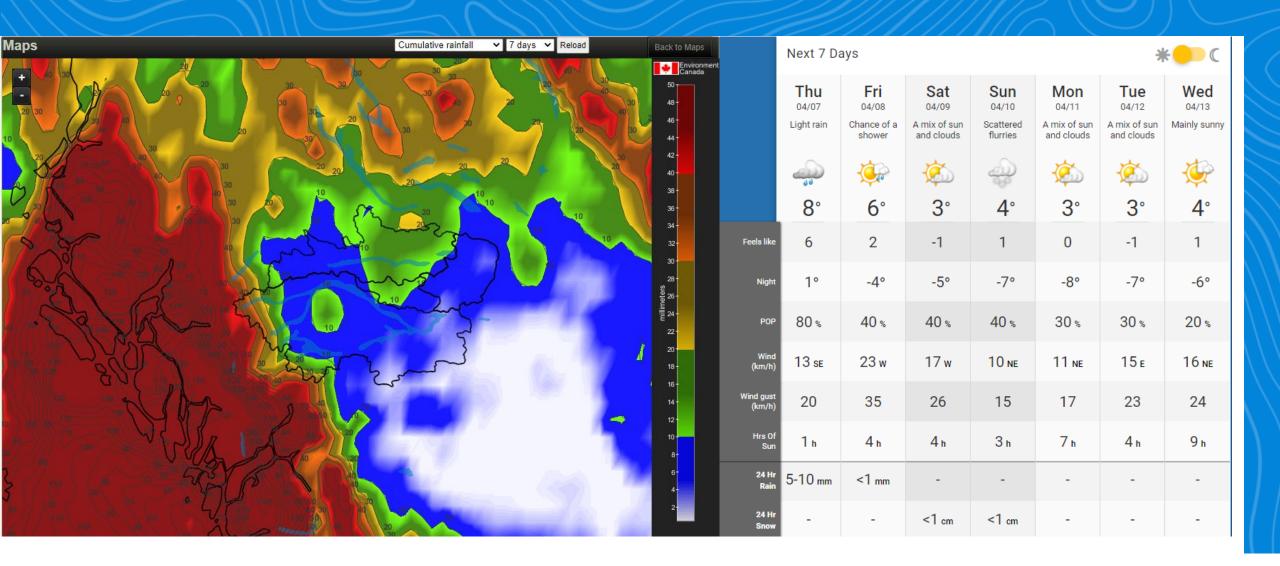
Station	Current Value	%LTA*
Lu Lake	273	93%
* (1997-2021)		

358 mm (85% LTA; 40<sup>th</sup>/64)

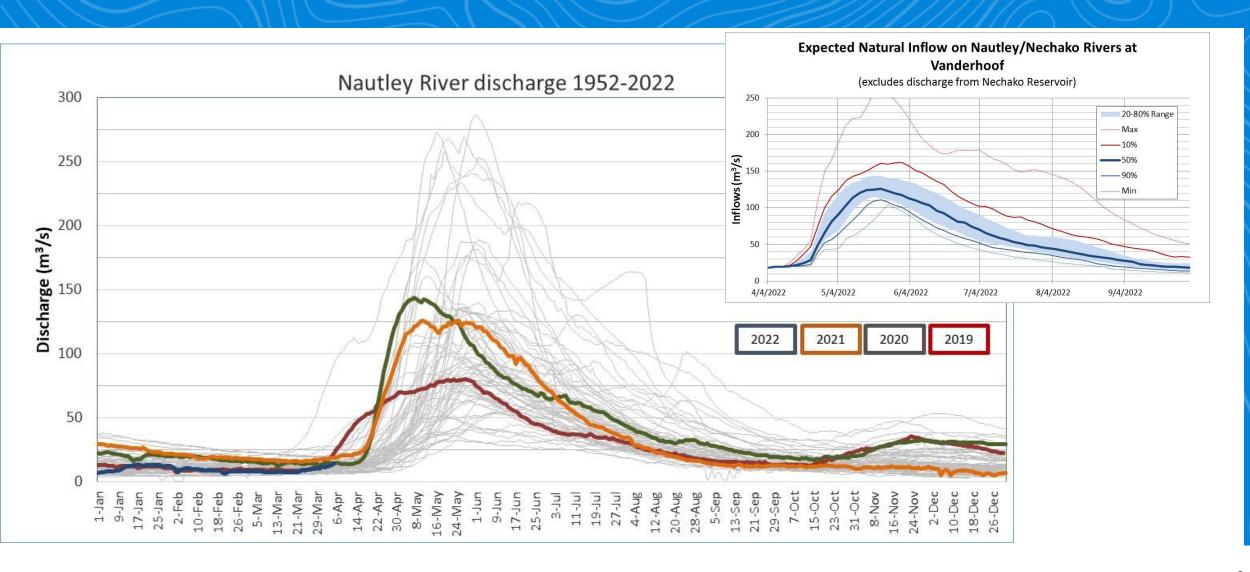
#### **Historical Reservoir Elevation**



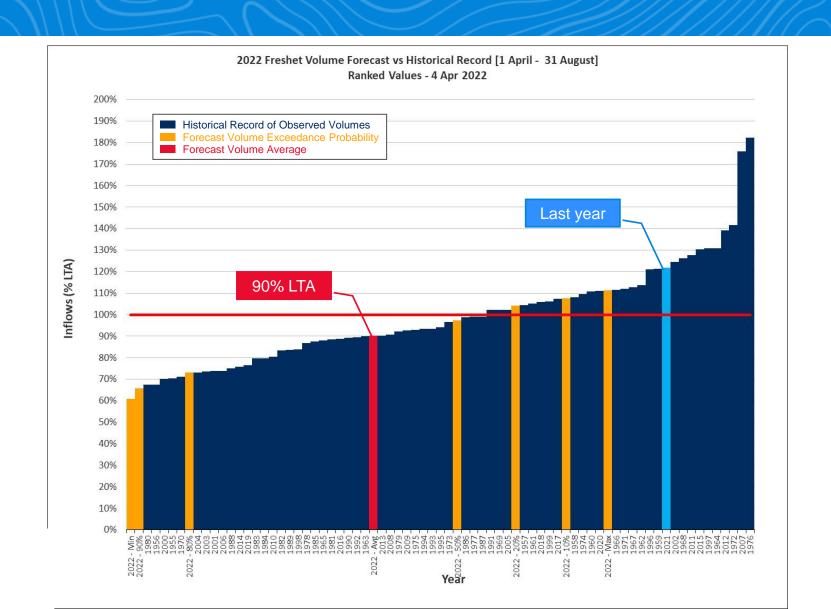
## 7 Day Weather Forecast



# **Nautley River Flows, Forecast**

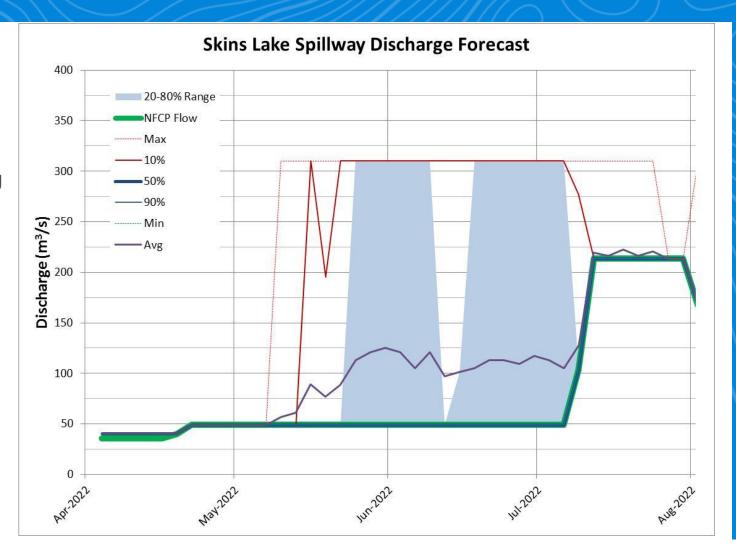


# **Spring Freshet Inflow Forecast**

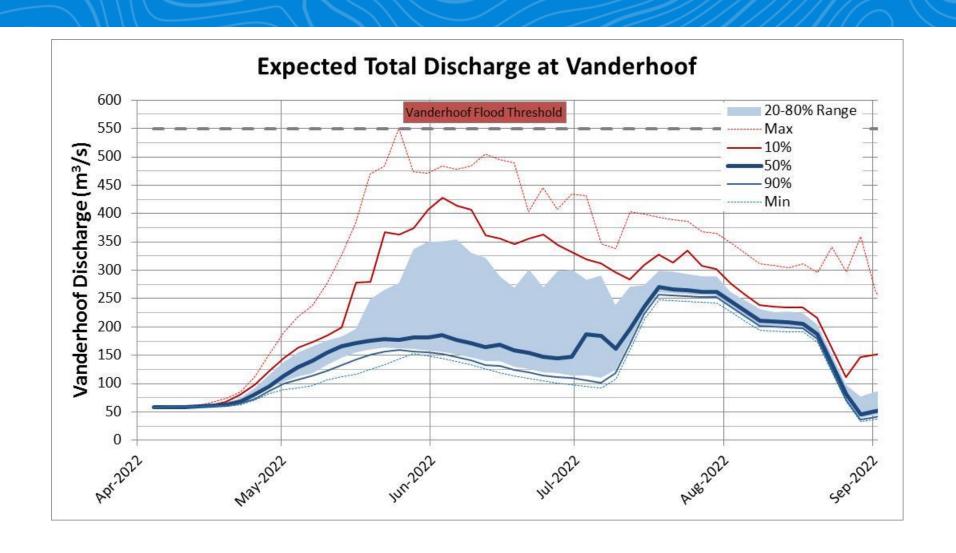


#### Spillway Management – Looking to Winter and Spring

- SLS discharge currently 40 m<sup>3</sup>/s, and is most likely to be maintained at 40 m<sup>3</sup>/s until spring;
- Working through the Smelter load and re-start scenarios
- Ice Jam risk and winter flow protocols collecting data as per NHC recommendation
- Spring Freshet flood risk; Murray Cheslatta System and Vanderhoof

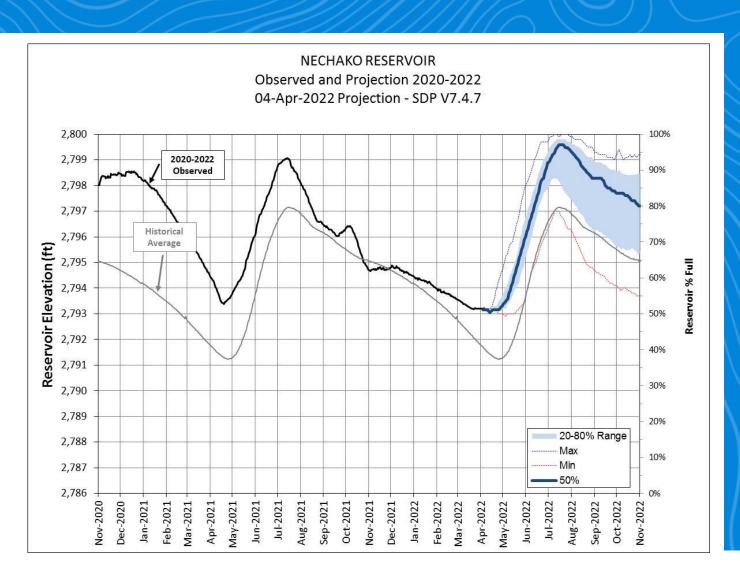


## Forecast - Vanderhoof Flows

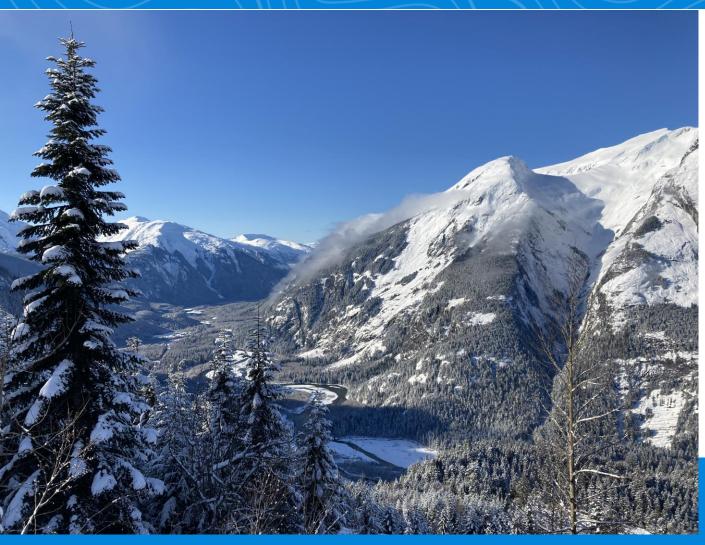


## Reservoir Level Projection

 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. Ice Surveys Ongoing
- 3. Provide update on Re-Start & Nechako Implications In Progress
- 4. Confirm next meeting date

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

