RioTinto

Nechako Reservoir / River / Freshet Information Sharing – Comunity Leaders

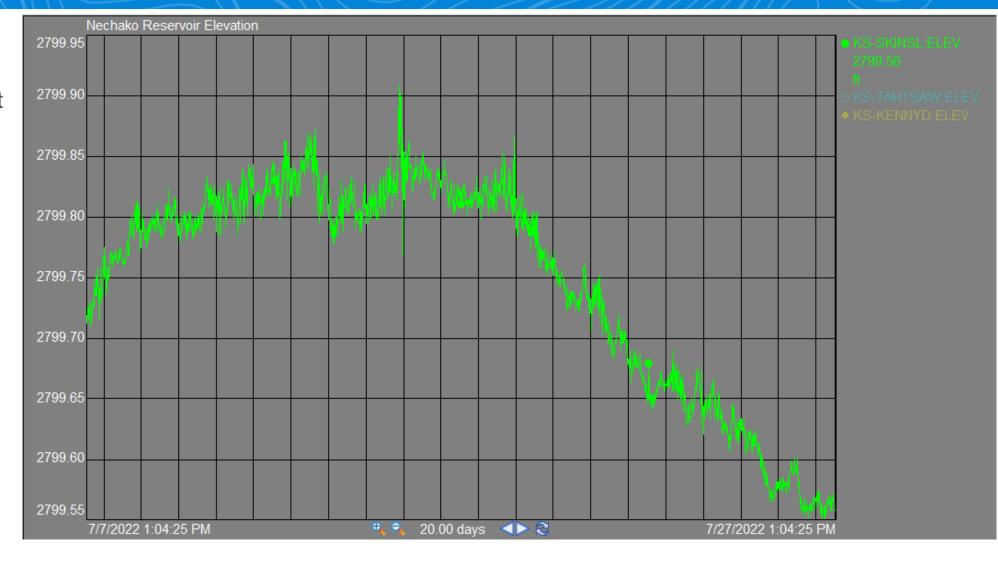
27 July 2022

Prepared by Alec Mercier & Gabrielle Dallaire



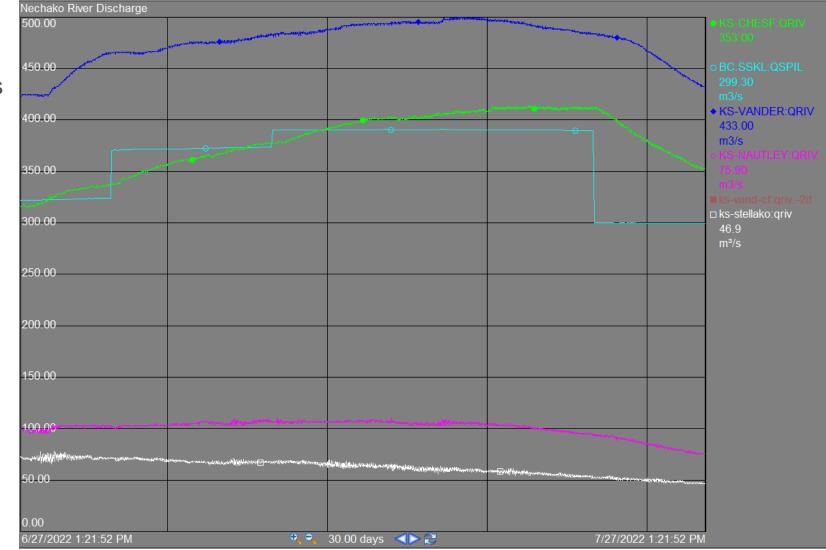
Reservoir Elevation - Last 20 days

Current reservoir level: 2799.56 ft Maximum: 2800.0 ft



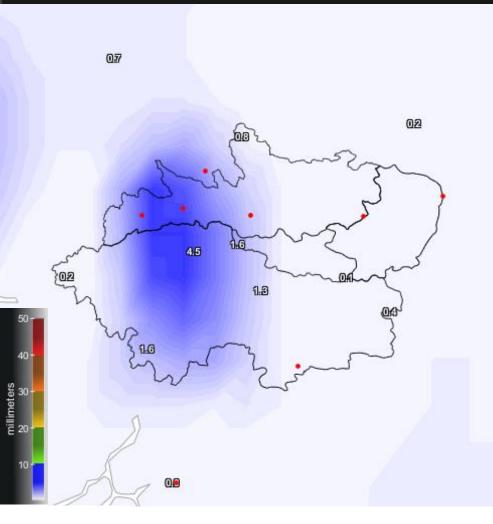
Flows - Last 30 days

Skins Lake: 299 cms Vanderhoof: 433 cms Cheslatta Falls: 353 cms Nautley: 76 cms Stellako: 47 cms

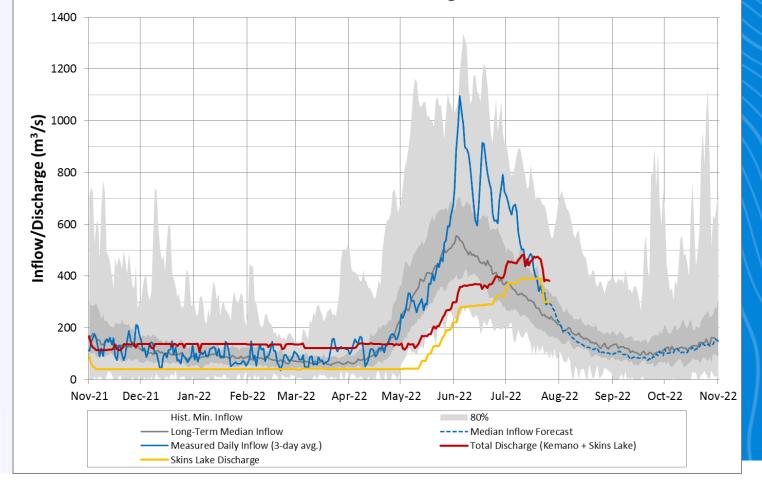


Observed Precipitation, Inflows vs Historical

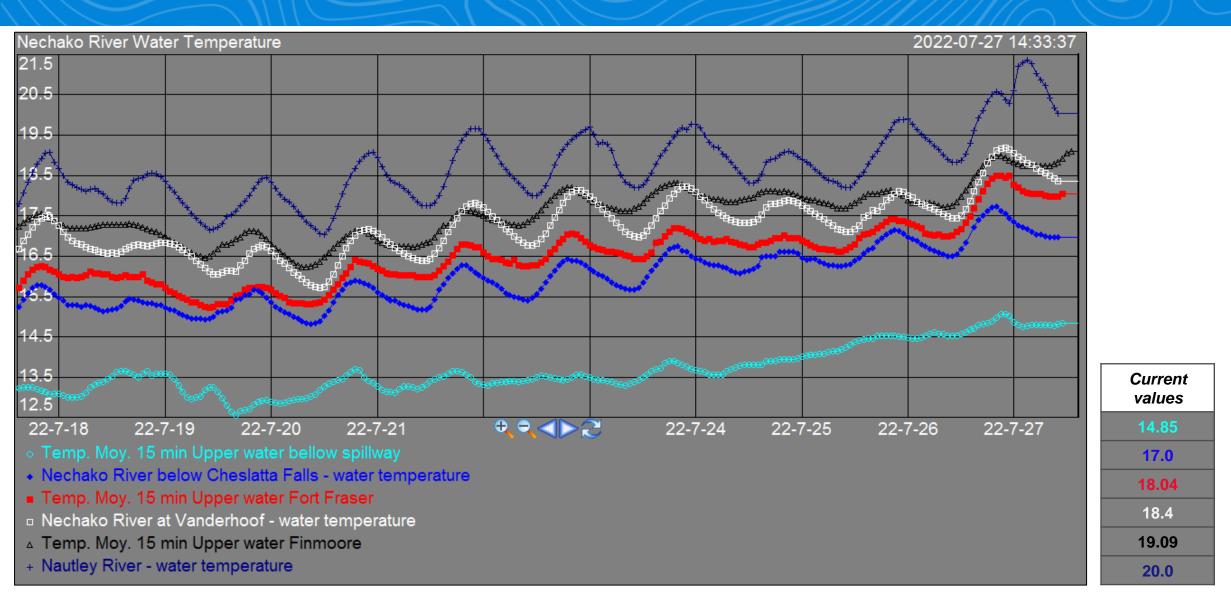
7-day cumulative rainfall



Nechako Reservoir Operation Observed Inflow and Discharge 2021-2022



Observed Water Temperatures

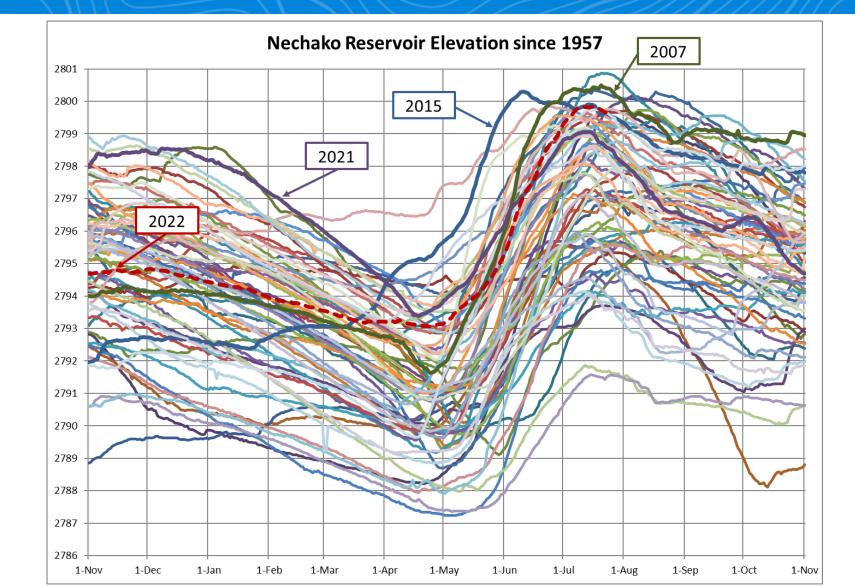


Current Snowpack

Mount Pondosy Tahtsa Lake Nechako Reservoir Snowpack Automated Snow Weather Station Graph Automated Snow Weather Station Graph 2500 1400 Ê 1200 800 Ê 2000 1000 2 1500 800 358 mm (85% LTA; 40th/64) 700 600 ້ອ 1000 Ň 400 Š. 500 200 Mar May Nov Dec Feb Mar Apr May Jun Ind Oct Nov Dec Feb Apr Jun Jul Oct Jan Jan 2021-2022 2021-2022 Historical 25-75 Range of Min & Max -Historical Daily Media Historical 25-75 Range of Min & Max - Last Year Current year Mount Wells LTA* Current Value Percentile Automated Snow Weather Station Graph Station %LTA* 1200 (mm) Rank* (mm) Ê 1000 Tahtsa Lake 9 26 35% 85% 800 Mount Pondosy 0 1 0% 0% 9 600 Mount Wells 0 0 0% 0% 400 * (1992-2021) Lu Lake 200 Automated Snow Weather Station Graph 600 Oct Nov Dec Jan Feb Mar Apr May Jun Jul Ê 500 100 2021-2022 400 Historical 25-75 Range of Min & Max Last Year — Historical Daily Median — Current year 300 0 200 Feb Oct Nov Dec Jan Mar Apr May Jun Jul Aug 100 Manual Survey Historical 25-75 Range of Min & Max • Oct Dec Feb Mar Apr May Jun Jul Nov Jan 2021-2022 Historical 25-75 Range of Min & Max ------ Historical Daily Median Last Year Current ver 17 mm (69% LTA; 29th/64) Station Current Value %LTA* Lu Lake 1 117%

* (1997-2021)

Historical Reservoir Elevation

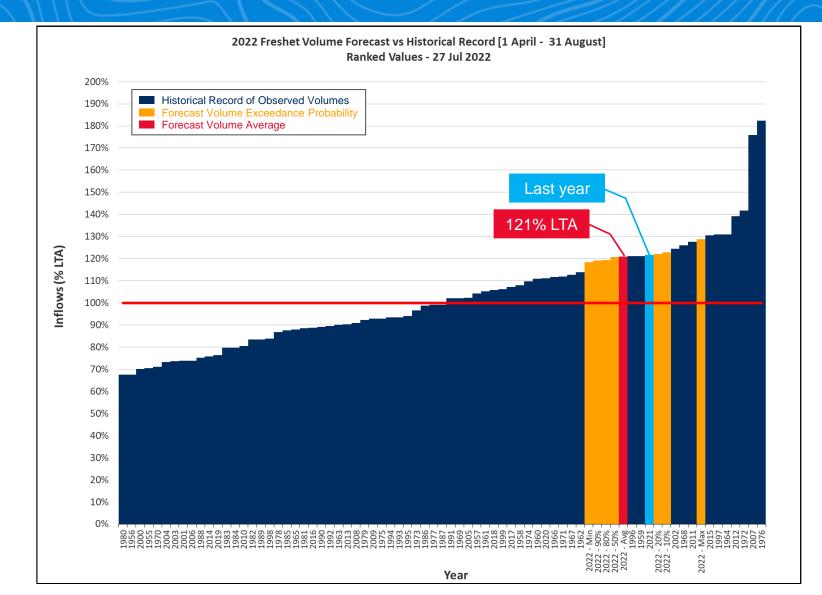


7

7 Day Weather Forecast

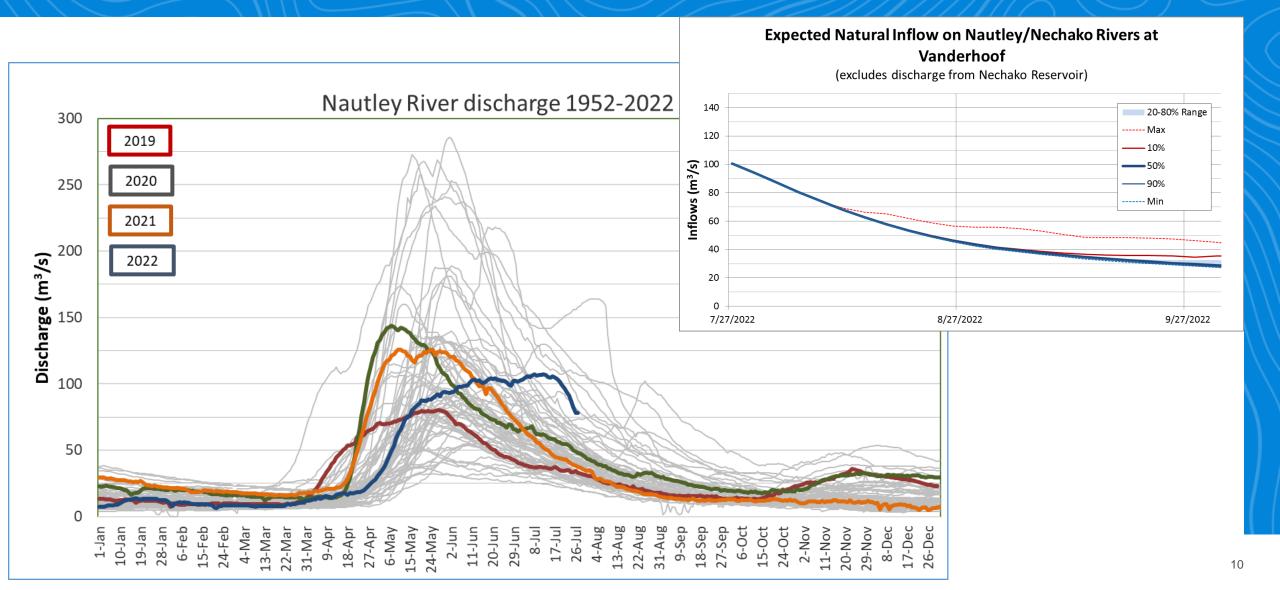
Cumulative precipitation – 7 days	Next	7 Days	Burns Lake Weather			*──℃	
10 50 10 48 46 44	Thu 07/28 Sunny	8 07/29	Sat 07/30 Mainly sunny	Sun 07/31 Chance of a shower	Mon 08/01 A mix of sun and clouds	Tue 08/02 Chance of a shower	Wed 08/03 A mix of sun and clouds
	Ö		Č	- Constantine Cons	Č	÷	Č
	32	2° 29°	28°	26°	24°	22°	20°
Feels like	e 33	31	32	30	24	22	20
Nigh	nt 15	° 15°	15°	14°	12°	11°	10°
	P 0%	10 %	20 %	40 %	30 %	30 %	30 %
SSY And Control of the Wind (km/h	^d 9 w	v 11 w	10 w	12 w	12 w	10 NW	19 sw
Wind gus (km/h	st 14	17	15	18	18	15	29
Hrs O G- Sur	^{of} 15 i	h 14 h	12 h	8 h	8 h	8 h	6 h
2 24 H Rain	ir _	-	-	~1 mm	-	<1 mm	-

Spring Freshet Inflow Forecast

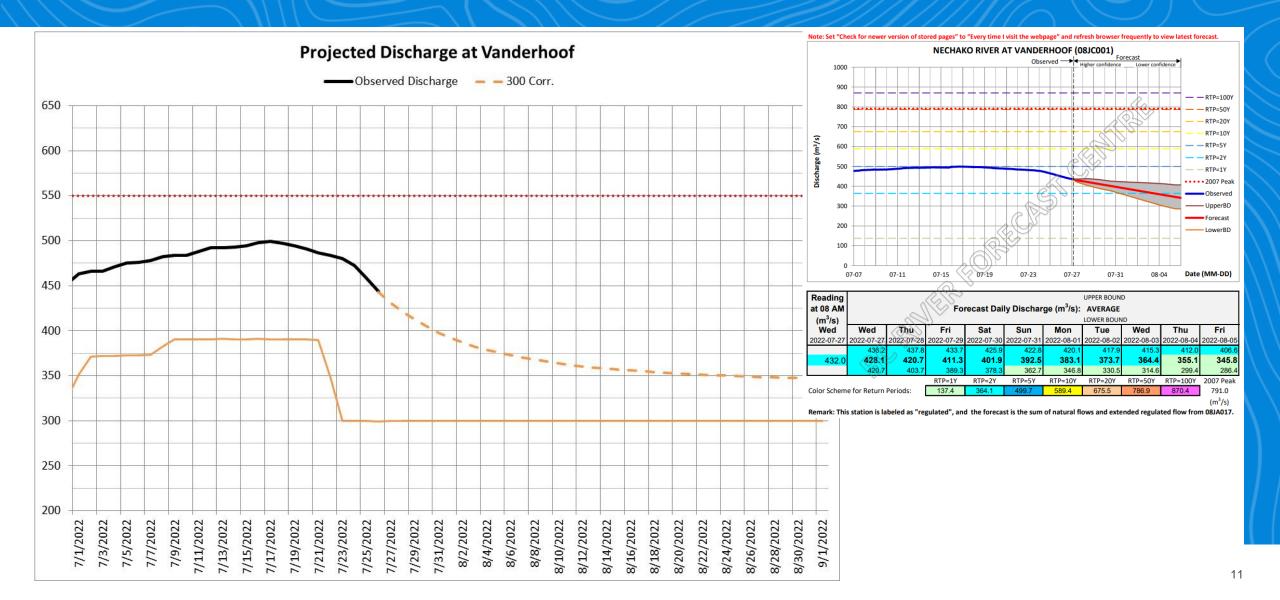


9

Nautley River Flows, Forecast



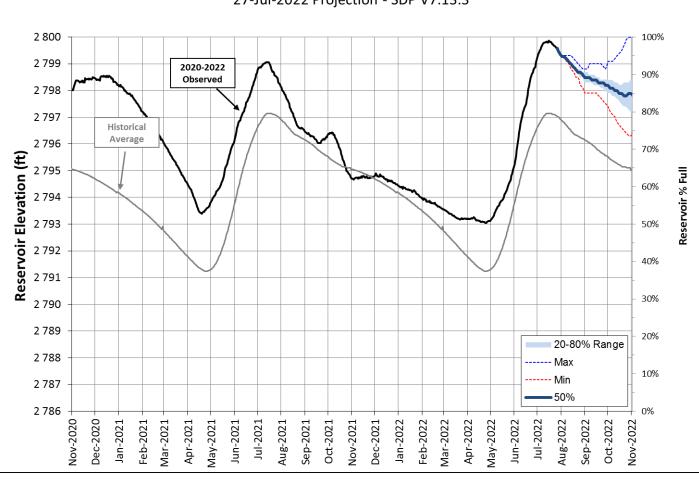
Forecast – Vanderhoof



Reservoir Level Projection



NECHAKO RESERVOIR Observed and Projection 2020-2022 27-Jul-2022 Projection - SDP V7.13.3



Next Steps – Actions

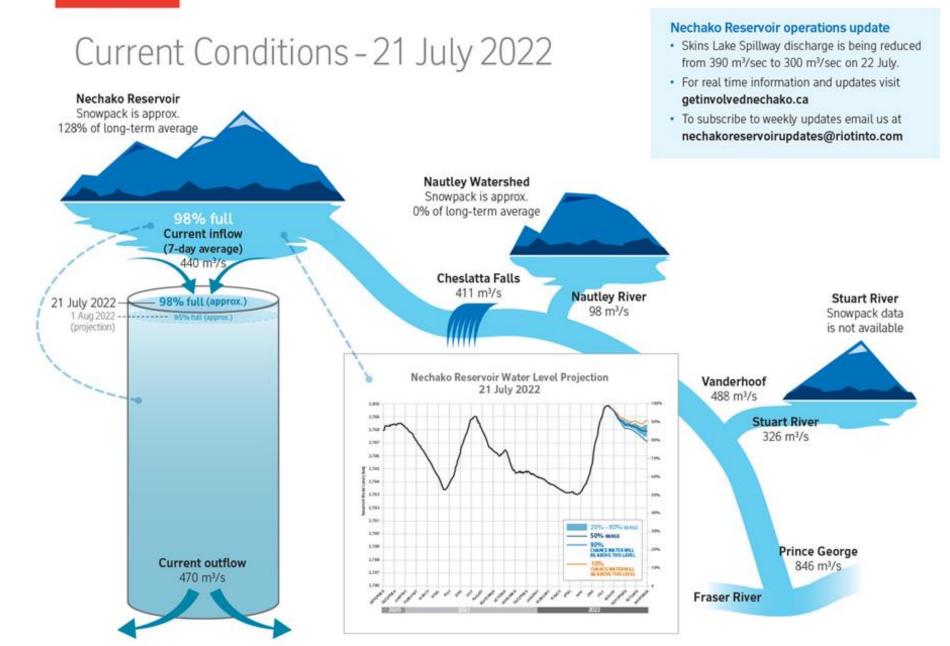


- 1. Model update and communications.
- 2. Monitoring work to learn from 2022 release
- 3. Continue to update on Smelter Re-Start
- 4. Confirm next meeting date 03 August

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

RioTinto



Feedback & Reflections