

RioTinto

An Apology

<Date>



The Smelter has reached 90% operational capacity



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7-year Dam Safety Review Underway



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2023 Hydrology Update

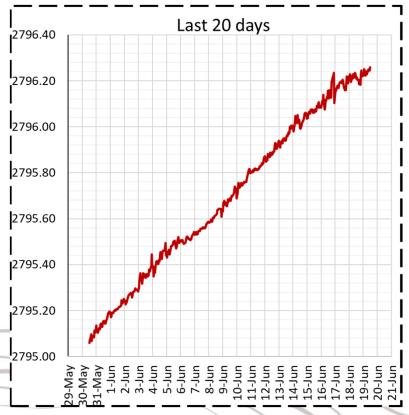


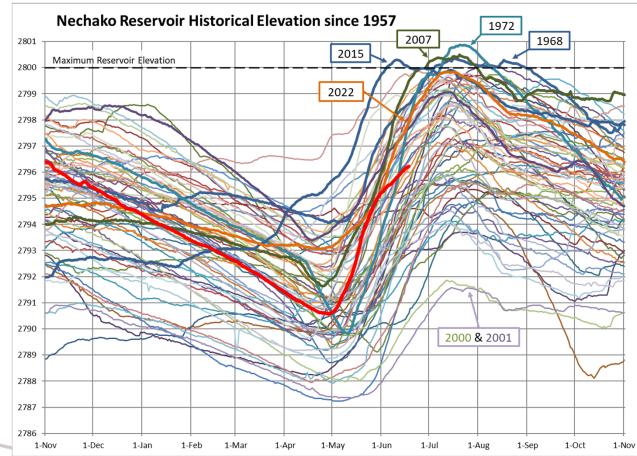
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Reservoir Elevation: May 29 to June 20

Current reservoir level

2796.25 ft

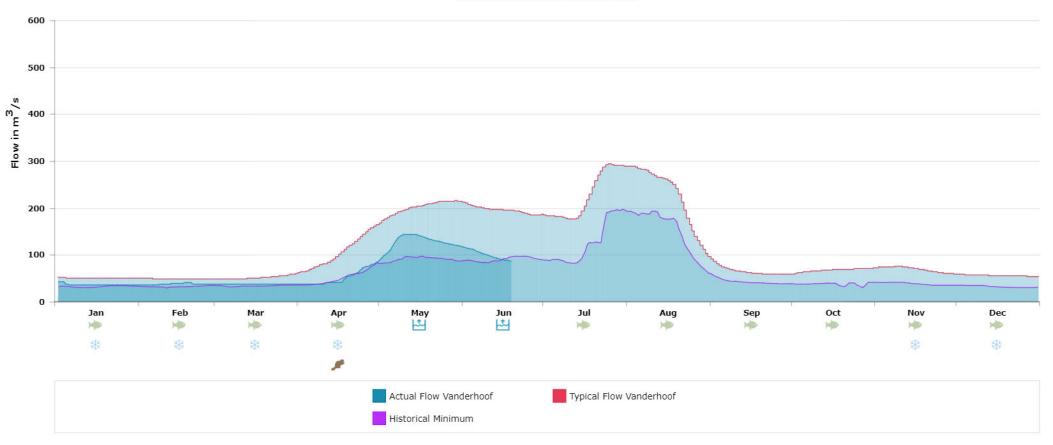




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Flows:

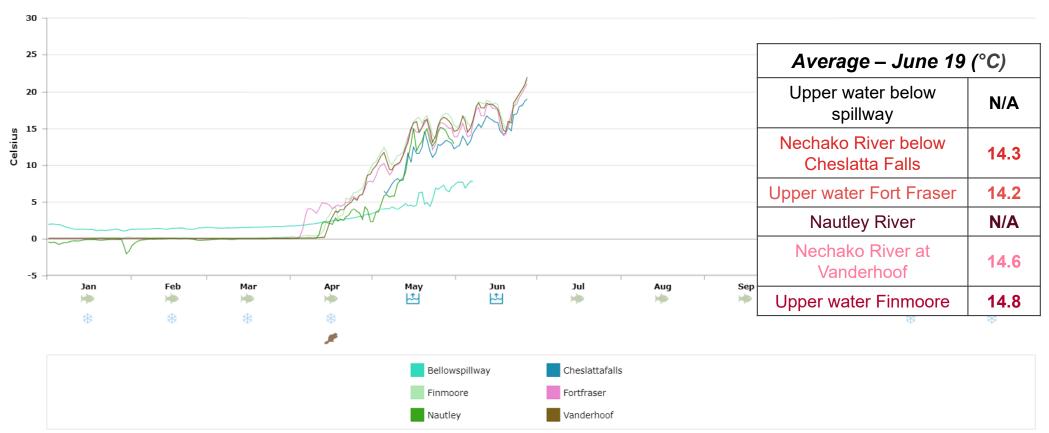
Nechako River at Vanderhoof



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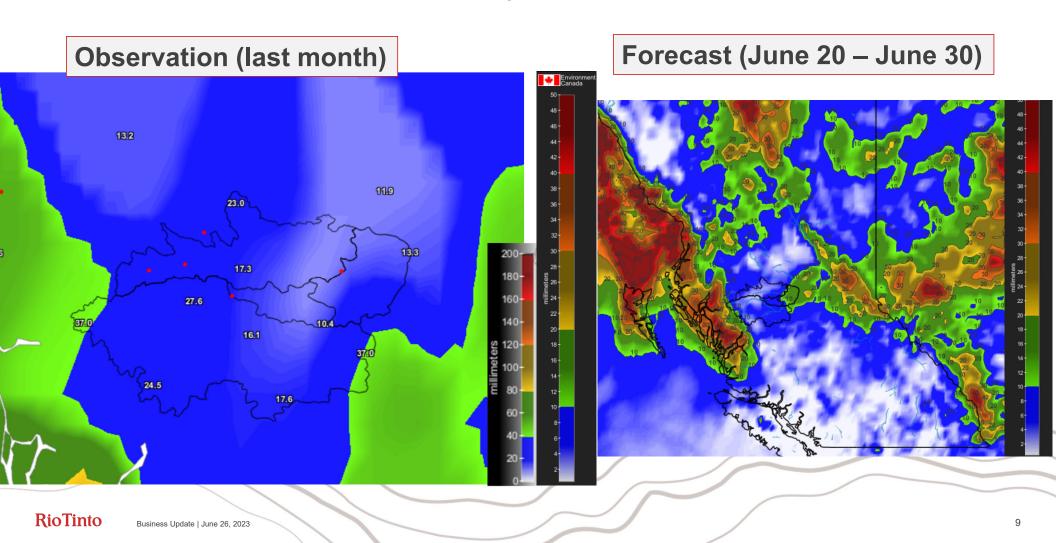
Observed Water Temperatures:

Water Temperatures

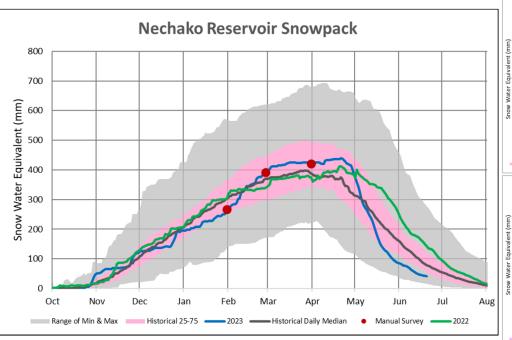


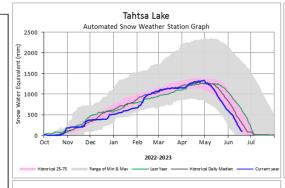
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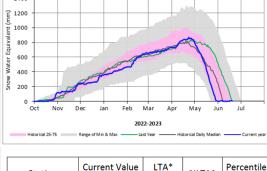
Past and Future Cumulative Precipitation



Snowpack as of June 20

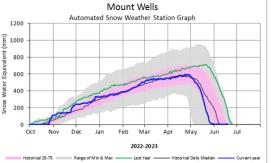




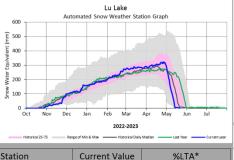


Mount Pondosy

Automated Snow Weather Station Graph



Station	Current Value (mm)	LTA* (mm)	%LTA*	Percentile Rank*				
Гahtsa Lake	97	448	22%	26%				
Mount Pondosy	3	39	8%	66%				
Mount Wells	7	24	30%	73%				
(199. Lu Lake								



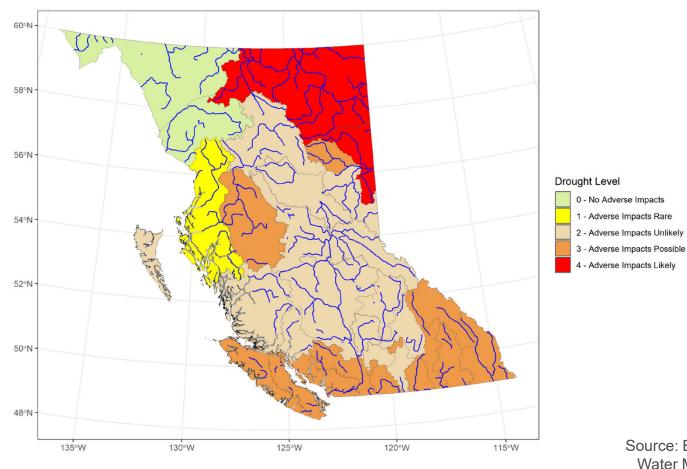
	Station	Current Value	%LTA*		
٦	Lu Lake	0	0%		
- 1	* (1997-2022)				

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Provincial Advisories - Drought

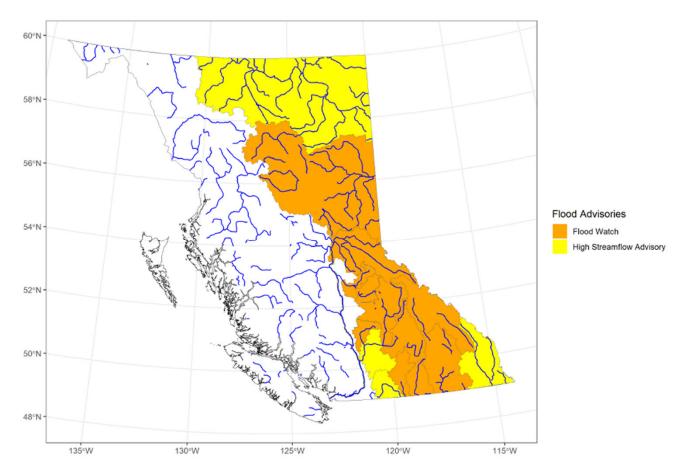


Source: British Columbia Drought Information Portal Water Management Branch – Ministry of Forests

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Provincial Advisories - Flood

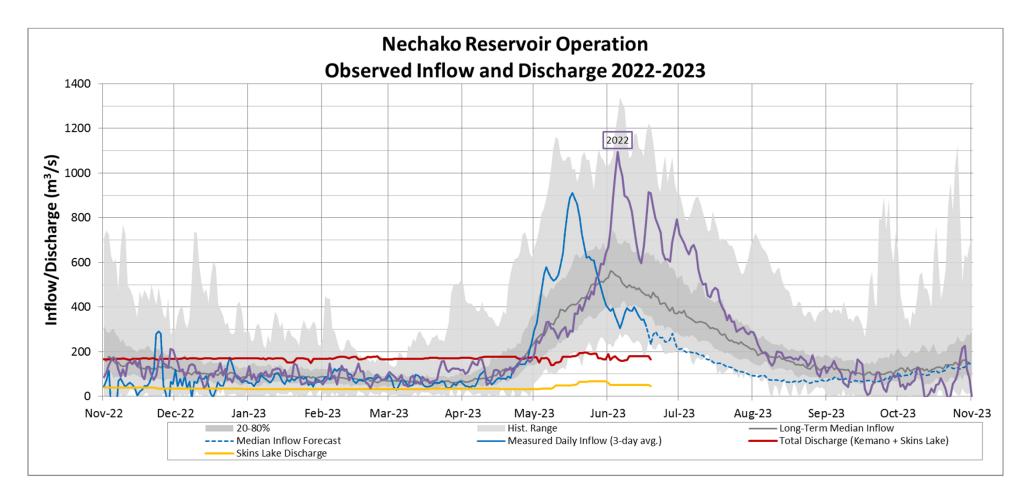


Source: BC River Forecast Center.

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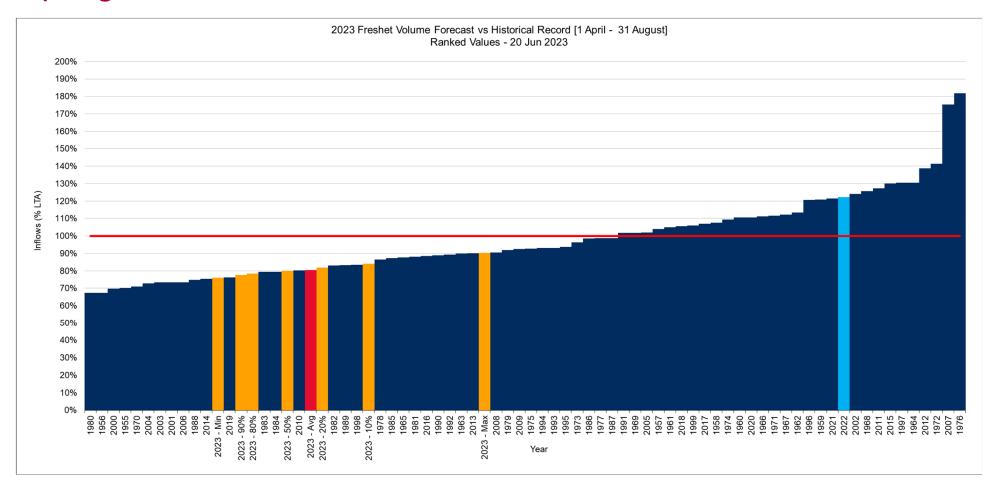
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Observed Inflows and Discharge vs Historical



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Spring Freshet Inflow Volume

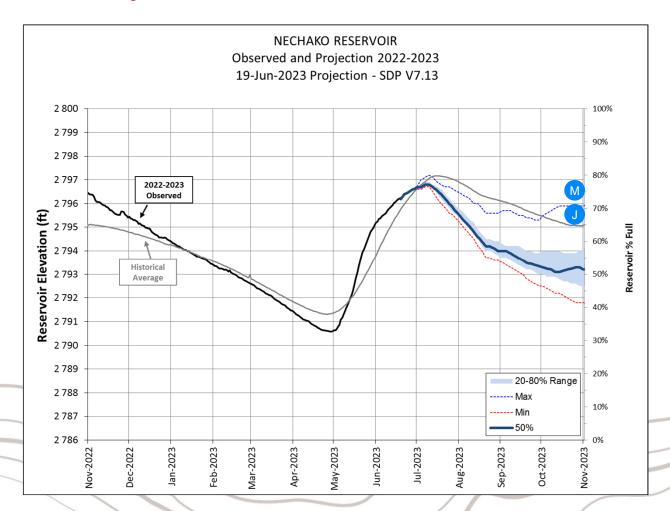




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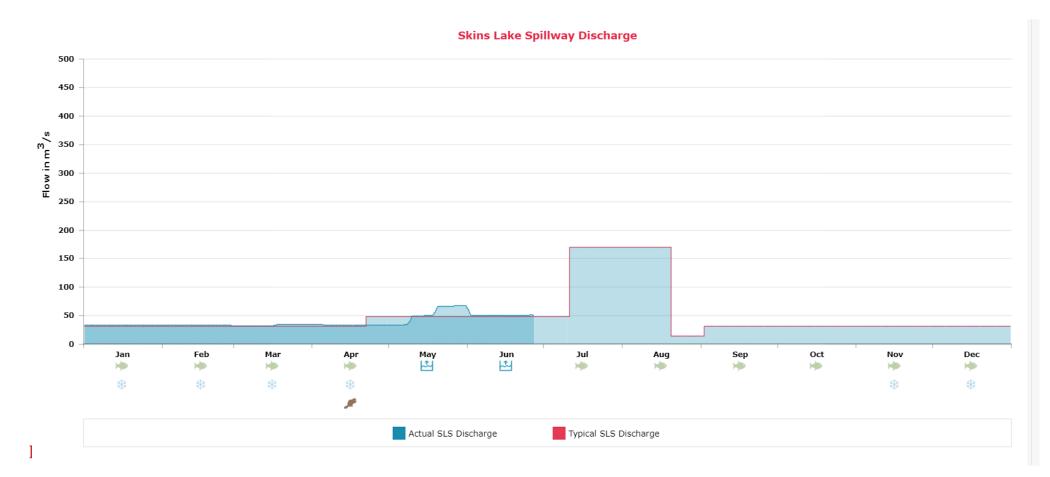
Reservoir Level Projection



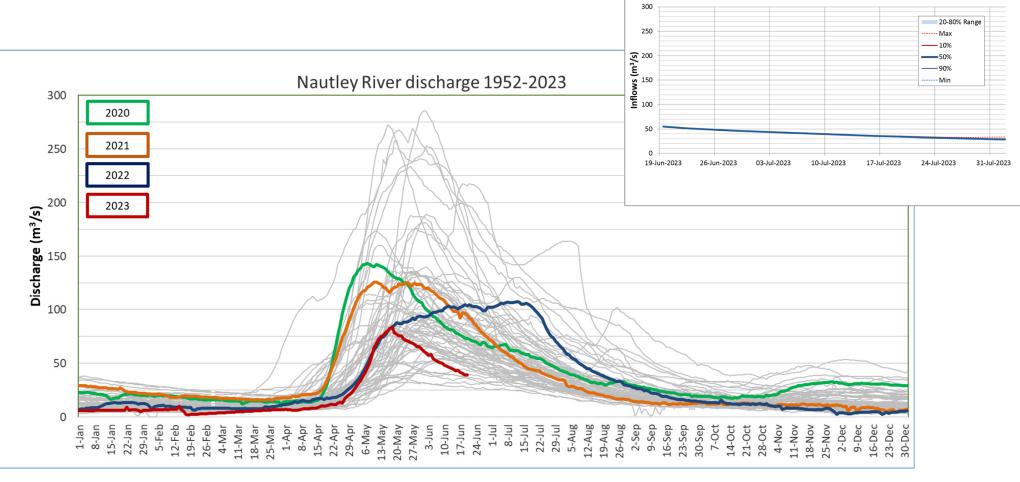
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Skins Lake Spillway Release Forecast

Current = ~50 m³/s Minimum = 49 m³/s





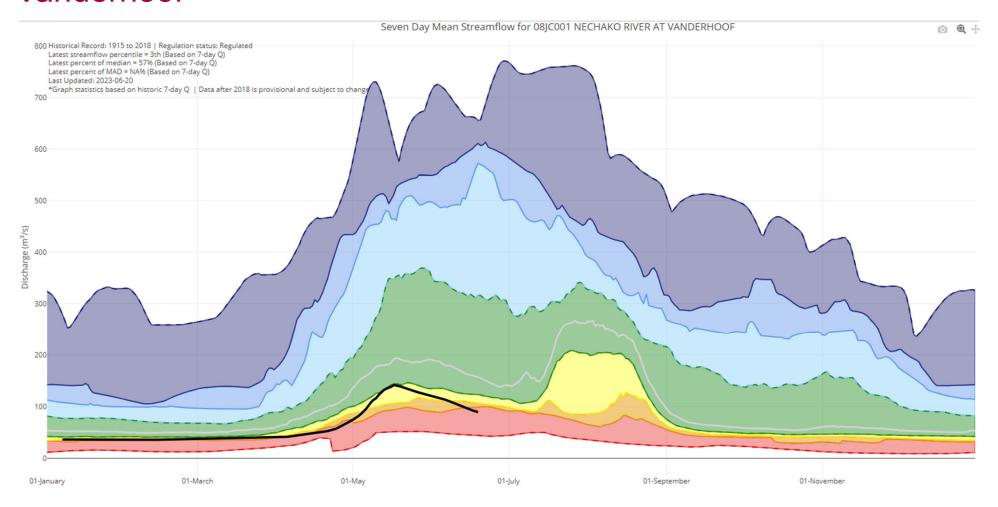


Expected Natural Inflow on Nautley/Nechako Rivers at

Vanderhoof (excludes discharge from Nechako Reservoir)

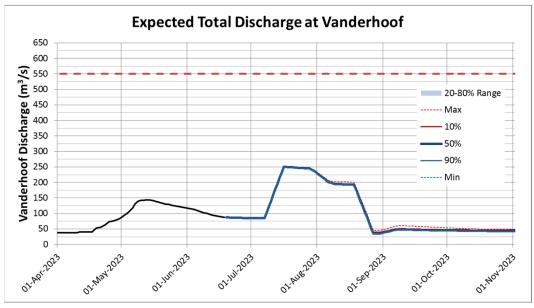


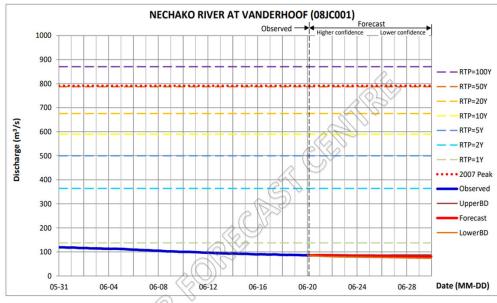
Vanderhoof



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Forecast - Vanderhoof





Reading at 06 AM (m³/s)	UPPER BOUND Forecast Daily Discharge (m³/s): AVERAGE LOWER BOUND									
Tue	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
2023-06-20	2023-06-20	2023-06-21	2023-06-22	2023-06-23	2023-06-24	2023-06-25	2023-06-26	2023-06-27	2023-06-28	2023-06-29
	87(7	88.8	88.1	87.3	87.1	86.9	86.9	87.0	87.2	87.3
85.7	85.6	84.8	83.6	83.0	82.5	82.1	81.7	81.3	80.9	80.6
	83.4	81.0	79.4	78.7	78.0	77.3	76.5	75.6	74.7	73.9
Color Scheme for Return Periods:			RTP=1Y	RTP=2Y	RTP=5Y	RTP=10Y	RTP=20Y	RTP=50Y	RTP=100Y	2007 Peak
			137.4	364.1	499.7	589.4	675.5	786.9	870.4	791.0
(m							(m ³ /s)			

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

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2023 Talking Points

- Contracting
- Research
- Spillway Operations
- BC Hydro Call for Energy



