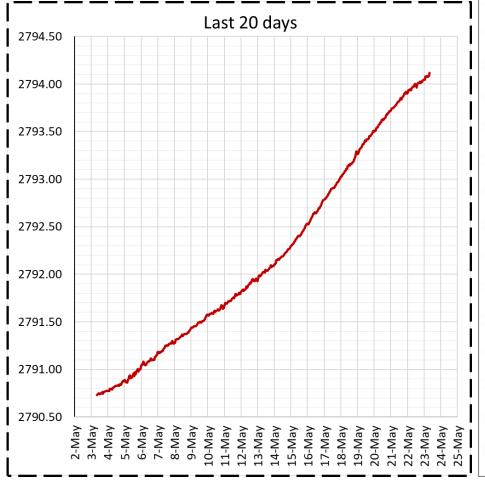
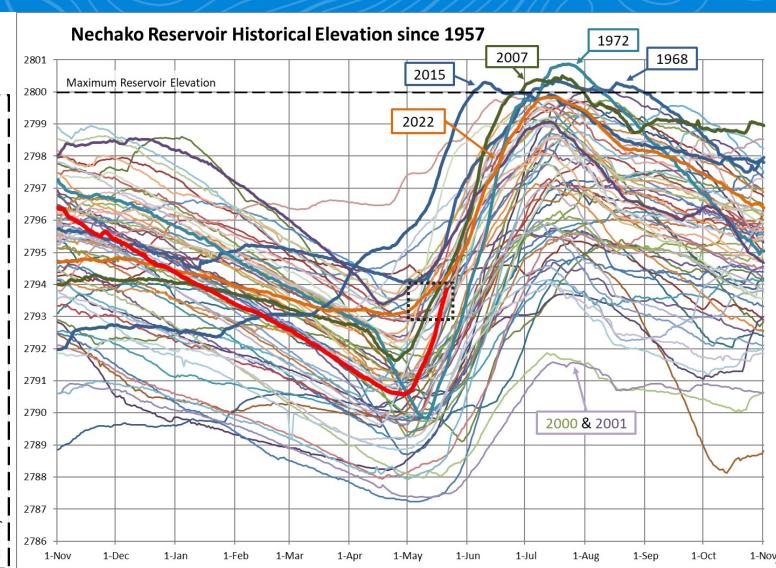


#### Reservoir Elevation - Last 20 days

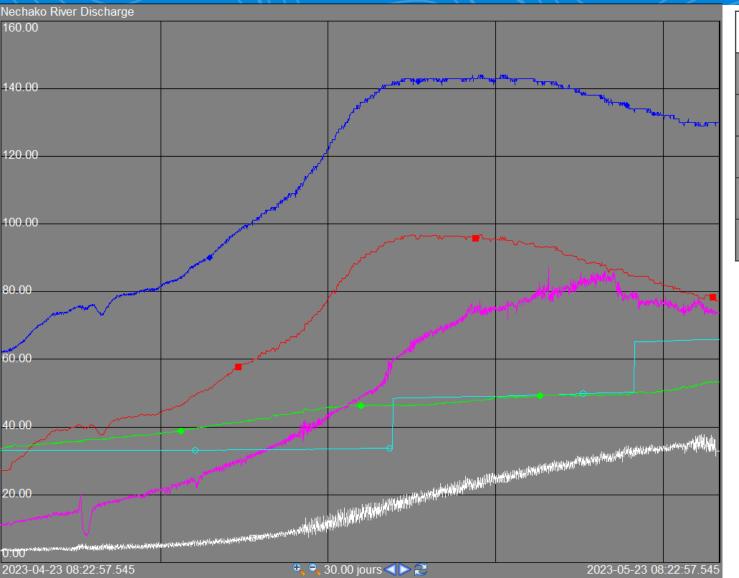
Current reservoir level (May 23rd):

2794.12 ft



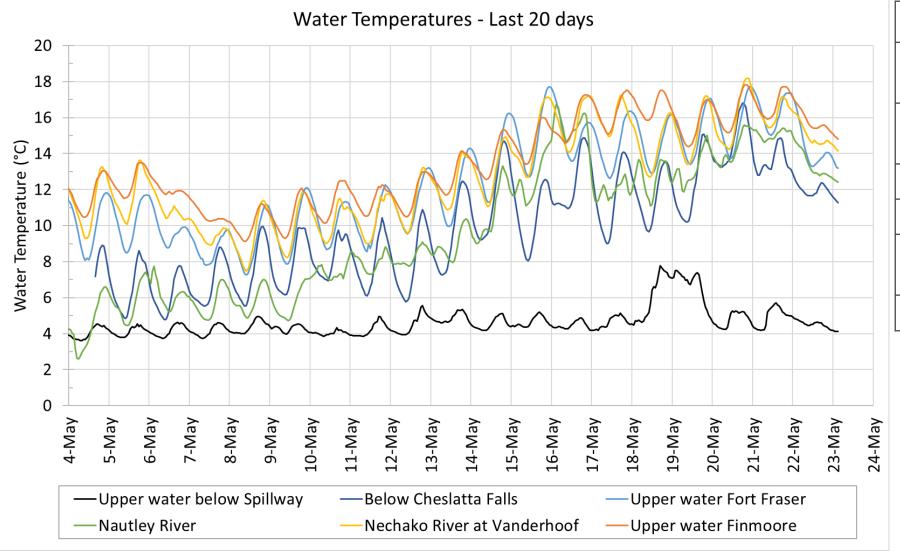


# Flows - Last 30 days



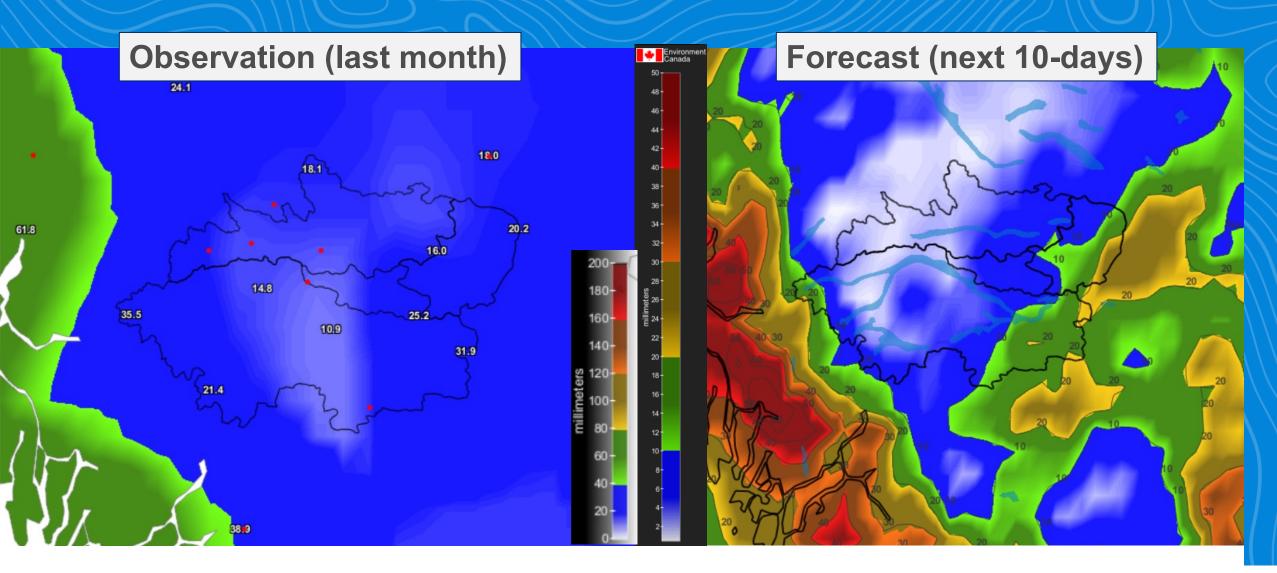
| Current values (m³/s) |     |  |  |  |  |
|-----------------------|-----|--|--|--|--|
| Vanderhoof            | 130 |  |  |  |  |
| Skins Lake            | 66  |  |  |  |  |
| Cheslatta Falls       | 53  |  |  |  |  |
| Nautley               | 74  |  |  |  |  |
| Stellako              | 33  |  |  |  |  |

#### Observed Water Temperatures – Last 20 days

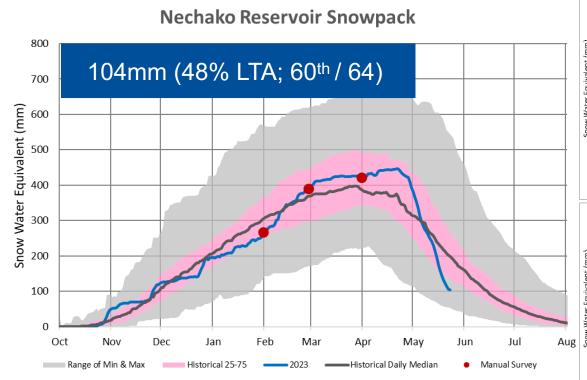


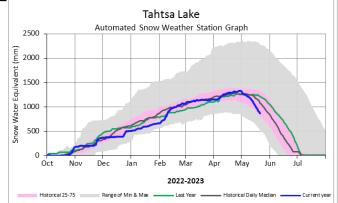
| Average – Last 24h (°C)                |      |  |  |  |  |
|--|------|--|--|--|--|
| Upper water below spillway             | 4.4  |  |  |  |  |
| Nechako River below<br>Cheslatta Falls | 11.9 |  |  |  |  |
| Upper water Fort Fraser                | 13.9 |  |  |  |  |
| Nautley River                          | 13.1 |  |  |  |  |
| Nechako River at Vanderhoof            | 14.8 |  |  |  |  |
| Upper water Finmoore                   | 15.6 |  |  |  |  |

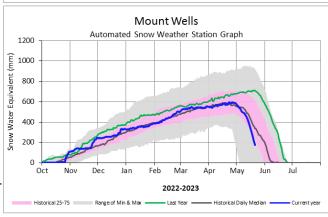
## Past & Future cumulative precipitation

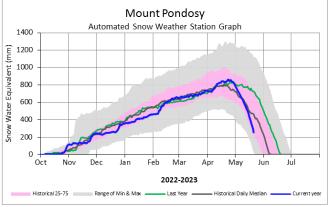


## **Current Snowpack**



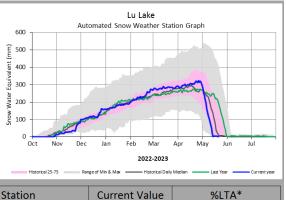






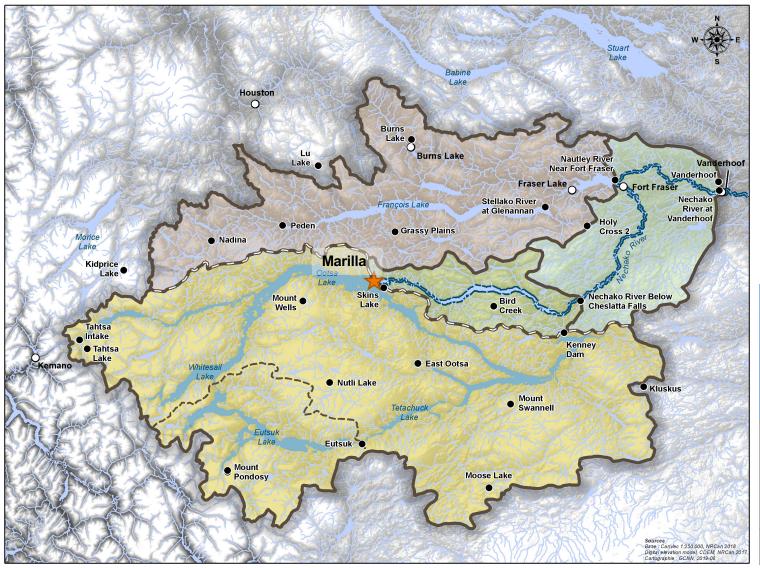
| Station       | Current Value<br>(mm) | LTA*<br>(mm) | %LTA* | Percentile<br>Rank* |  |
|---------------|-----------------------|--------------|-------|---------------------|--|
| Tahtsa Lake   | 864                   | 1112         | 78%   | 30%                 |  |
| Mount Pondosy | 254                   | 499          | 51%   | 25%                 |  |
| Mount Wells   | 174                   | 423          | 41%   | 16%                 |  |

\* (1992-2022)



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

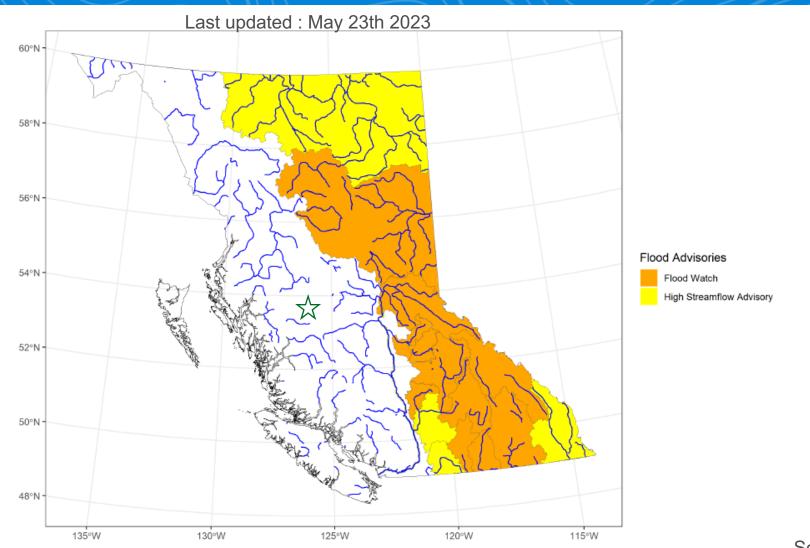
#### **Weather Forecast**



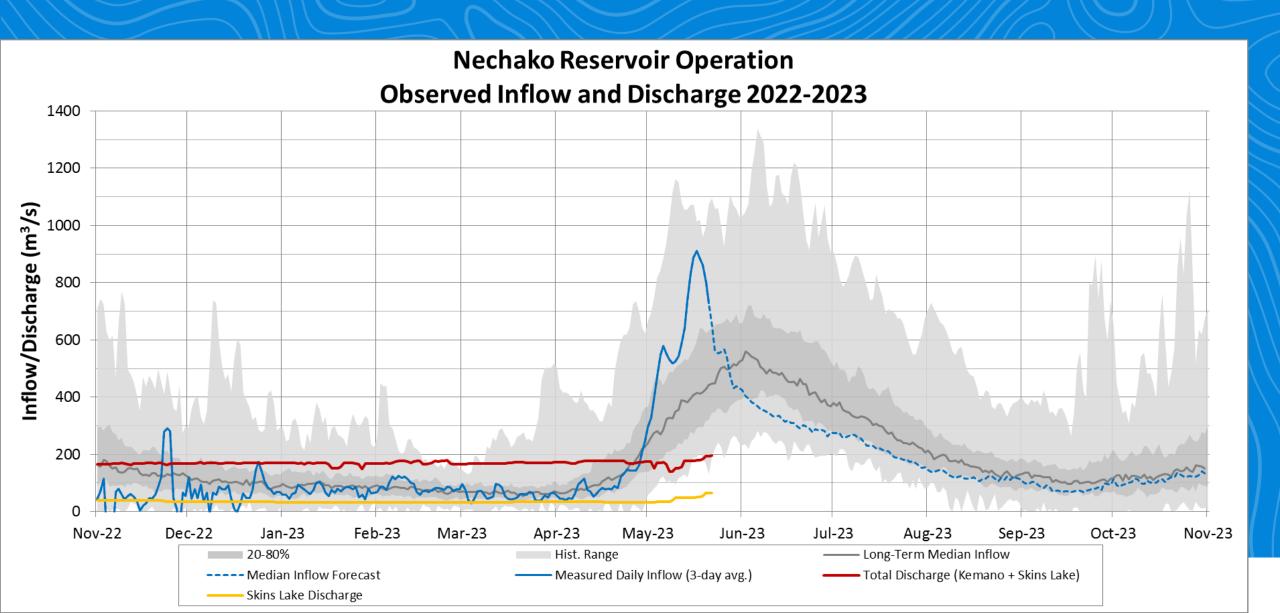
#### **Marilla Weather**

|                   | <b>Wed</b> 05/24                          | <b>Thu</b> 05/25                      | <b>Fri</b> 05/26            | <b>Sat</b> 05/27        | <b>Sun</b> 05/28        | Mon<br>05/29            | Tue<br>05/30                          |  |    |  |
|-------------------|---|---------------------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|---------------------------------------|--|----|--|
|                   | Mainly sunny                              | Mainly sunny                          | Sunny                       | A mix of sun and clouds | A mix of sun and clouds | A mix of sun and clouds | Cloudy with sunny breaks              |  |    |  |
|                   |   | <b>*</b>                              |                             |                         |                         |                         |                                       |  |    |  |
|                   | 21°                                       | 23°                                   | 25°                         | 21°                     | 18°                     | 17°                     | 15°                                   |  |    |  |
| Feels like        | 21  | 23                                    | 25                          | 21                      | 18                      | 17                      | 14                                    |  |    |  |
| Night             | 5°  | 5° 7° 9°                              |                             | 7° 9°                   |                         | 6°                      | 6° 6°                                 |  | 5° |  |
| POP               | 20 %                                      | 10 %                                  | 10 %                        | 30 % 30 %               |                         | 30 %                    |                                       |  |    |  |
| 24 Hr<br>Rain     |   |                                       |                             | -                       | -                       | -                       | -                                     |  |    |  |
|                   | Wed                                       | Thu                                   | Fri                         | Sat                     | Sun                     | Mon                     | Tue                                   |  |    |  |
|                   | 05/31                                     | 06/01                                 | 06/02                       | 06/03                   | 06/04                   | 06/05                   | 06/06                                 |  |    |  |
|                   |   |                                       |                             |                         |                         |                         |                                       |  |    |  |
|                   | 05/31<br>A mix of sun                     | 06/01<br>Chance of a                  | 06/02                       | 06/03                   | 06/04                   | 06/05                   | 06/06<br>A mix of sun                 |  |    |  |
|                   | 05/31<br>A mix of sun                     | 06/01<br>Chance of a                  | 06/02                       | 06/03                   | 06/04                   | 06/05                   | 06/06<br>A mix of sun                 |  |    |  |
| Feels lik         | 05/31 A mix of sun and clouds  17°        | 06/01<br>Chance of a<br>shower        | 06/02<br>Mainly sunny       | 06/03<br>Mainly sunny   | 06/04<br>Sunny          | 06/05<br>Sunny          | 06/06 A mix of sun and clouds         |  |    |  |
| Feels lik<br>Nigh | 05/31 A mix of sun and clouds  17° 17     | 06/01<br>Chance of a<br>shower<br>17° | 06/02 Mainly sunny  17°     | 06/03 Mainly sunny  18° | 06/04<br>Sunny<br>18°   | 06/05<br>Sunny<br>21°   | 06/06 A mix of sun and clouds         |  |    |  |
| 200000            | 05/31 A mix of sun and clouds  17° 17° 17 | 06/01 Chance of a shower  17°         | 06/02 Mainly sunny  17°  16 | 06/03 Mainly sunny  18° | 06/04<br>Sunny<br>18°   | 06/05<br>Sunny<br>21°   | 06/06 A mix of sun and clouds  21° 21 |  |    |  |

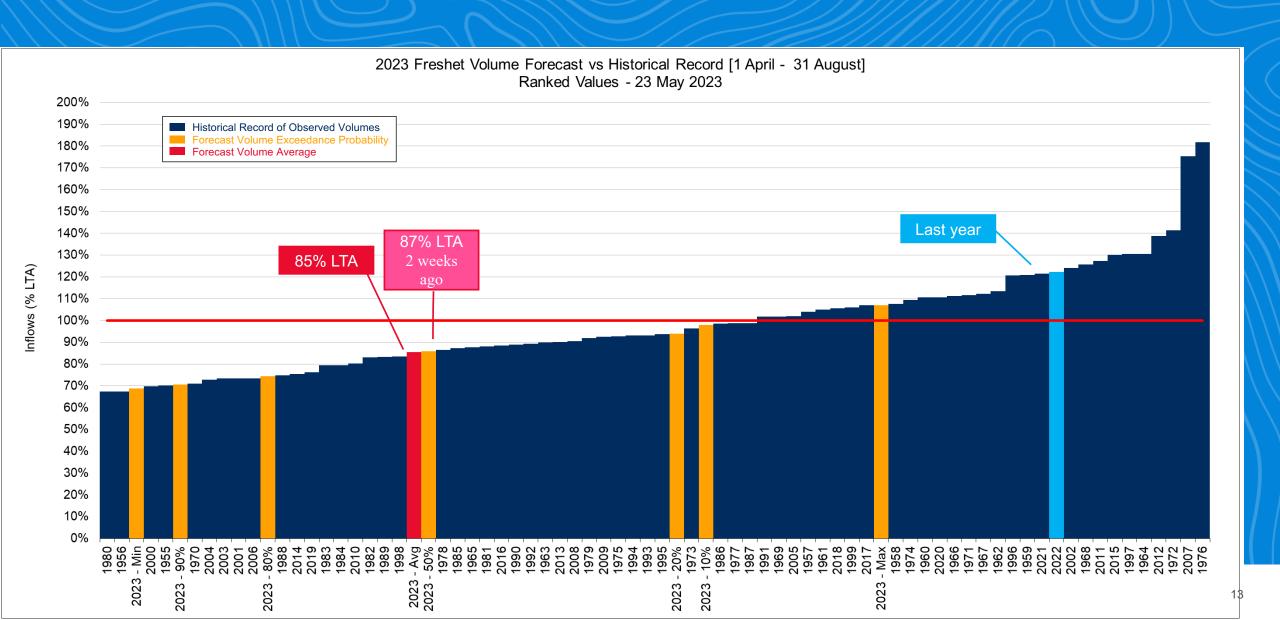
#### Provincial Advisories - Flood



## Observed Inflows & Discharge vs Historical

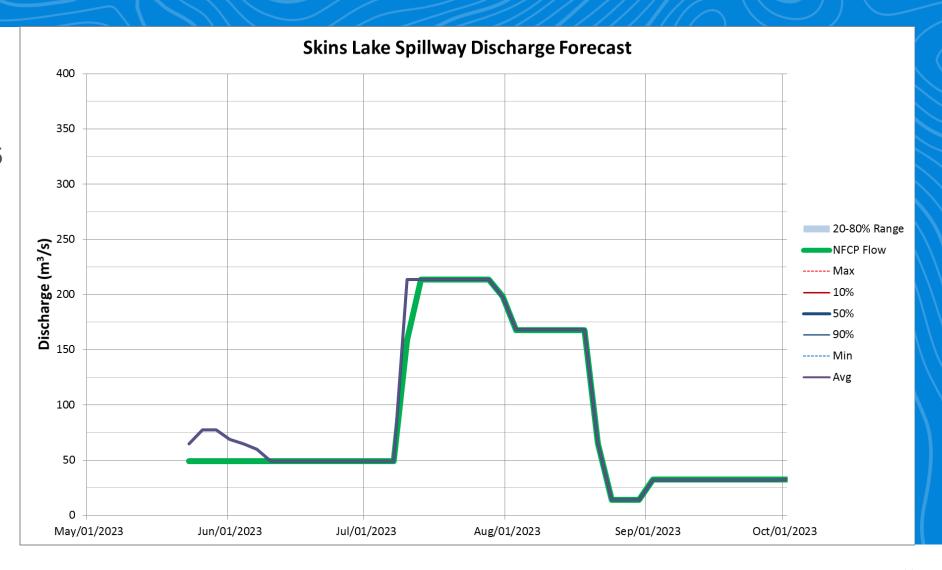


## **Spring Freshet Inflow Volume**

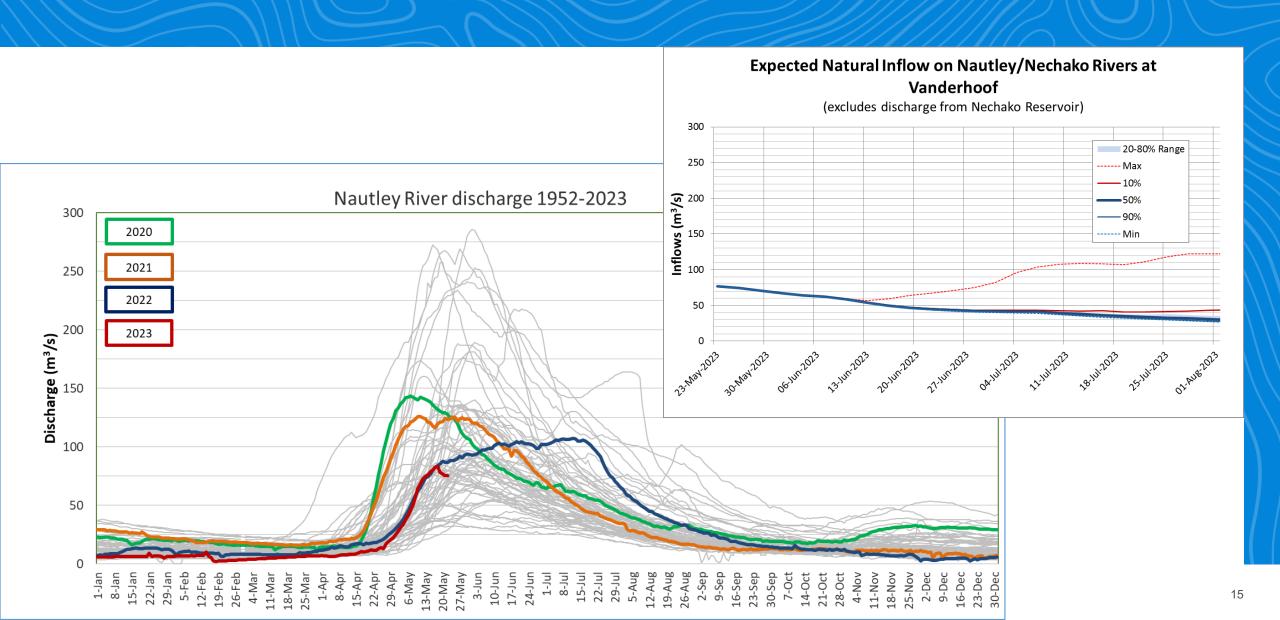


#### Skins Lake Spillway Release Forecast

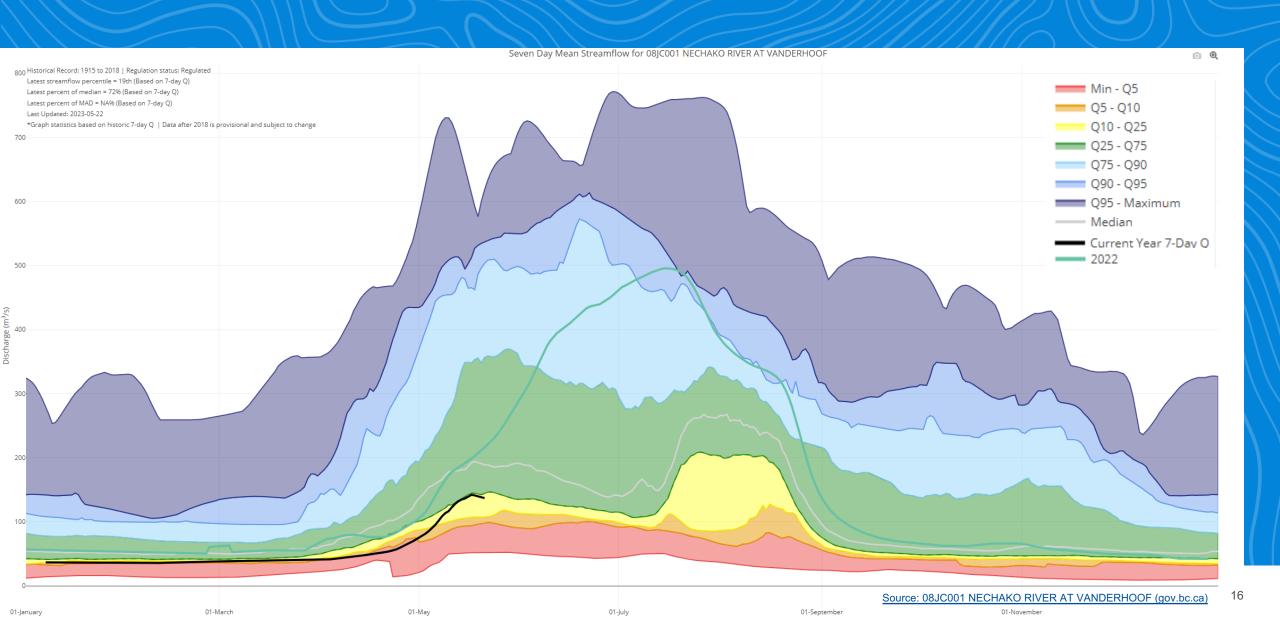
- Current = ~66 m³/s
   Minimum = 49 m³/s
- Change from 49 m³/s to 65 m³/s last Friday
- Forecasted scenario of weekly stepwise increase, and ramp down on June 1st.



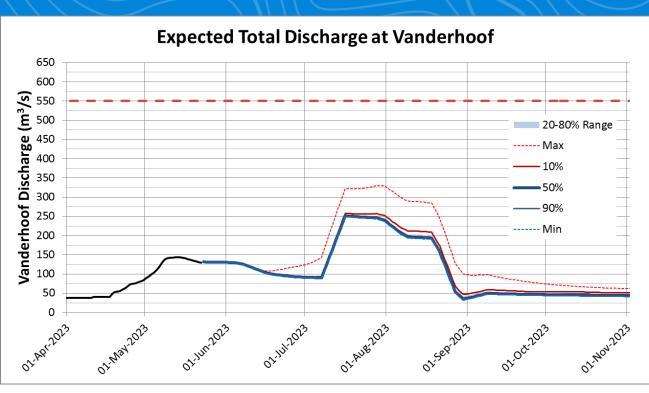
## Nautley River Flows, Forecast

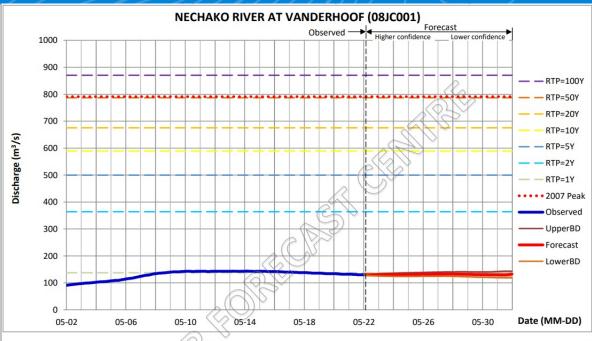


#### Vanderhoof



#### Forecast - Vanderhoof



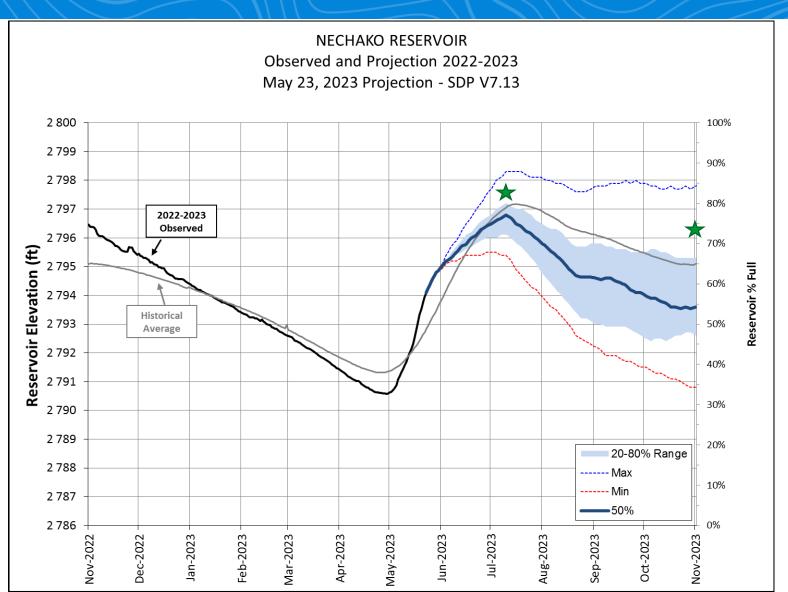


| (0)           |  |            |            |            |            |            |            |             |            |            |
|---------------|--|------------|------------|------------|------------|------------|------------|-------------|------------|------------|
| Reading       | UPPER BOUND  |            |            |            |            |            |            |             |            |            |
| at 05 AM      | Forecast Daily Discharge (m³/s): AVERAGE LOWER BOUND |            |            |            |            |            |            |             |            |            |
| $(m^3/s)$     |  |            |            |            |            |            |            | v 57177 173 |            |            |
| Mon           | Mon  | Tue        | Wed        | Thu        | Fri        | Sat        | Sun        | Mon         | Tue        | Wed        |
| 2023-05-22    | 2023-05-22   | 2023-05-23 | 2023-05-24 | 2023-05-25 | 2023-05-26 | 2023-05-27 | 2023-05-28 | 2023-05-29  | 2023-05-30 | 2023-05-31 |
|               | 133.0  | 135.0      | 136.6      | 137.8      | 139.2      | 140.4      | 140.9      | 140.7       | 140.4      | 143.1      |
| 129.9         | 129.8  | 129.8      | 130.3      | 131.0      | 131.9      | 132.8      | 132.3      | 131.2       | 130.3      | 130.2      |
|               | 126.7  | 124.6      | 124.0      | 124.2      | 124.6      | 124.9      | 123.7      | 121.8       | 120.2      | 118.9      |
| to the second |  |            | RTP=1Y     | RTP=2Y     | RTP=5Y     | RTP=10Y    | RTP=20Y    | RTP=50Y     | RTP=100Y   | 2007 Peak  |
| Color Schem   | e 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



Expected reservoir peak: 2796.8 ft

★ Projected median on April 21

