

Situational Update

2023 Natural Hazard Season



May 16, 2023

Territorial Acknowledgement



We are grateful for the opportunity to live, work and learn on this land.

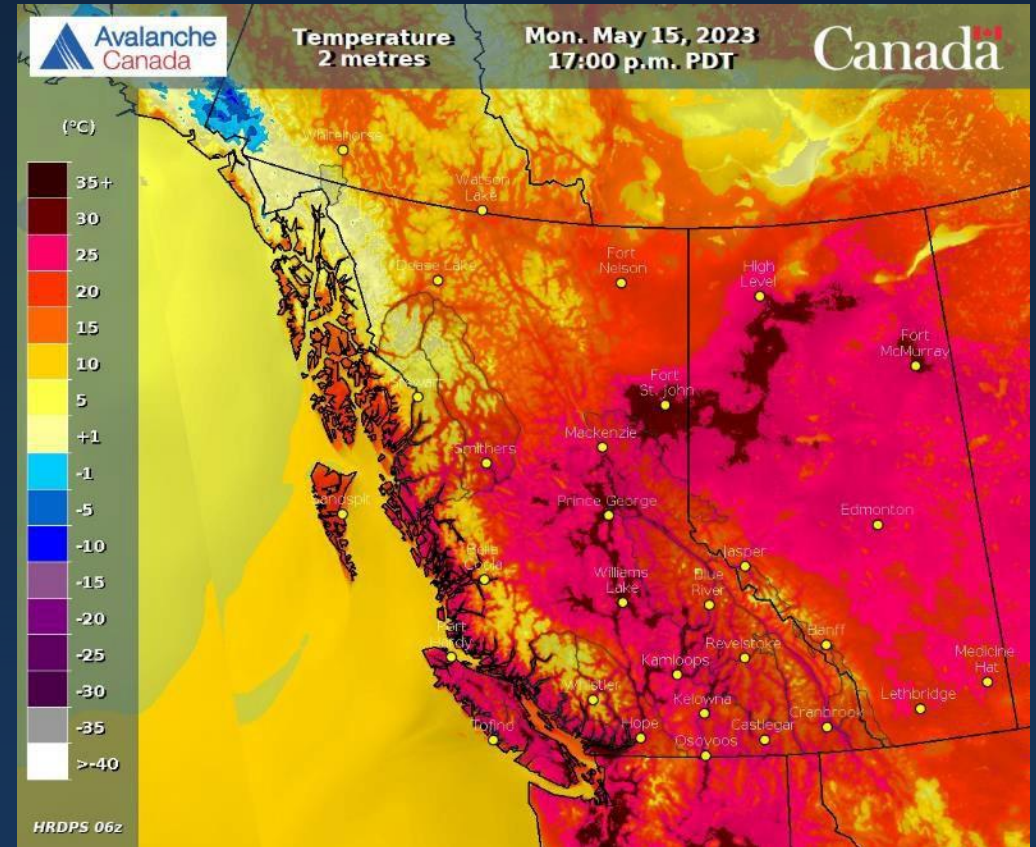
Freshet Update

May 16, 2023

River Forecast Centre

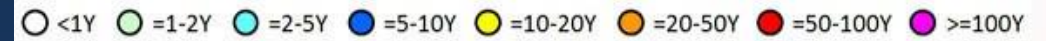
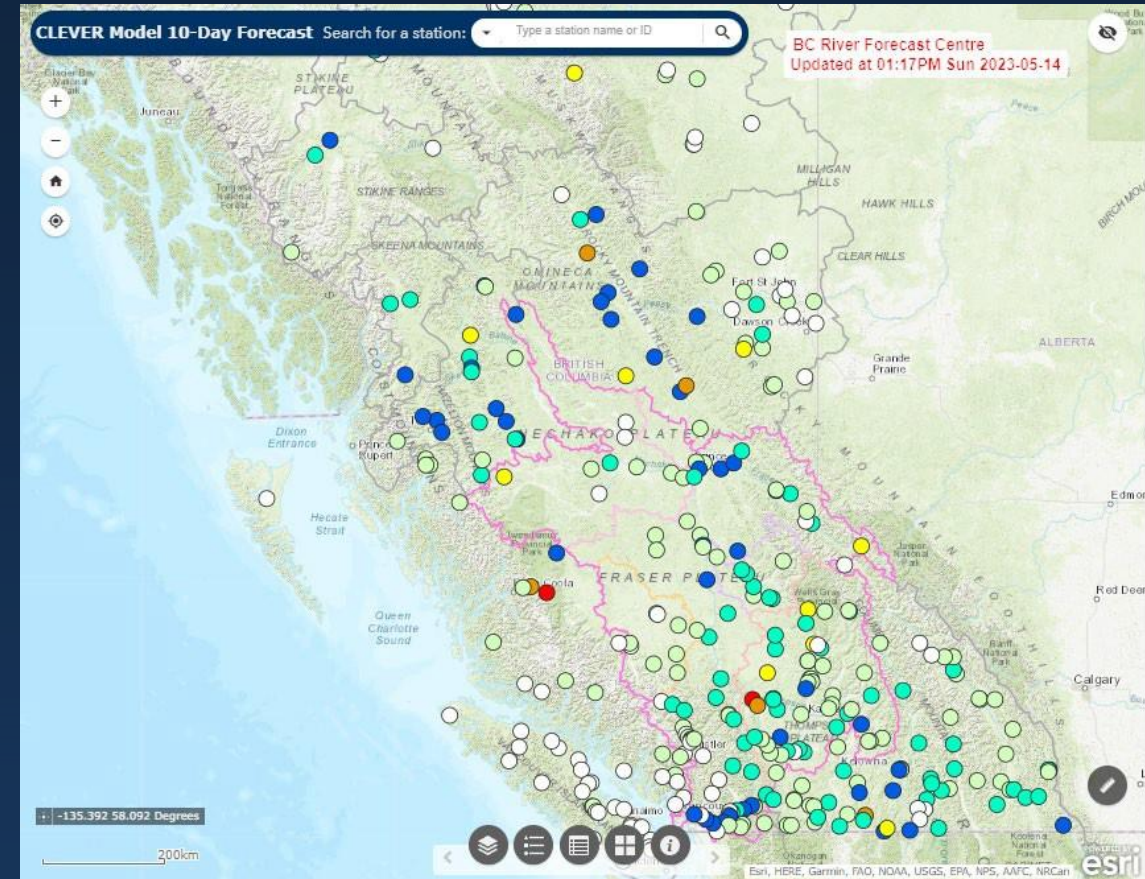
Weather

- Extreme seasonal heat now in place
- Temperatures across most of BC in upper 20s-low 30s
 - +10-15 degrees above normal for this time of year
- Forecasts shifting towards the persistence of hot weather through this week
 - Favoured above normal temperatures over late-May to early-June period
- Snowmelt accelerating rapidly
- River responses over next 7-10+ days will be limited by capacity of snowpack
 - Emerging flooding is expected



Flood Hazard Outlook

- River levels are rising (where snowpacks remain)
- Improvements in areas with limited/no snow
 - Bonaparte River (Cache Creek), Cariboo, areas of South Interior
- With sustained hot temperatures, anticipate rivers rising until equilibrium between snow capacity and runoff is reached
- Areas of particular concern include higher-elevation terrain, larger rivers, areas with already high flows
 - Kootenay (Ktunaxa), Skeena (Wet'suwet'en, Gitxsan), Upper Fraser (Dakelh), Cariboo Mountains, Similkameen (Syilx), Bonaparte, North Thompson, Shuswap (Secwépemc)
- Lower Fraser River (Sto:lo) expected to see rises through the week, and likely into next
 - Forecast to reach 6.0m at Mission (10,000 csm at Hope) by May 20 (Sat)
 - Expected peak in river (potentially next week) is beyond current forecasting time period and increased hazard is possible next week



Information Sources:

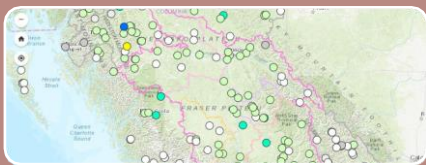
www.gov.bc.ca/riverforecast



Snow and Flood Bulletins



Flood Warnings



Current Streamflow Conditions



Modelling and Forecasts

Emergency Management and Climate Readiness

Ian Cunnings

Senior Director, Provincial & Regional Operations

For More Information

Emergency Info BC

 [EmergencyInfoBC](https://www.emergencyinfobc.ca)

 [@EmergencyInfoBC](https://twitter.com/EmergencyInfoBC)

Prepared BC

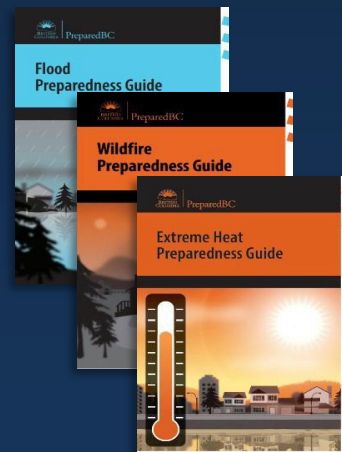
 [PreparedBC](https://www.preparedbc.ca)

 [@PreparedBC](https://twitter.com/PreparedBC)

 [@PreparedBC](https://www.facebook.com/PreparedBC)

Climate Ready BC

 [ClimateReadyBC](https://www.climate-ready-bc.ca)



Preparedness Guides

- Digital and hardcopy preparedness guides available for Flood, Wildfire, Extreme Heat and many other hazards

Seasonal Hazard Information

For information regarding freshet or wildfire situations:

Visit gov.bc.ca/riverforecast for snow bulletins, flood warnings, the freshet dashboard, modelling and analysis.

- [Flood Warnings and Advisories](#)
- [Current Streamflow Conditions and Flood Forecast Modeling](#)
- [Provincial Freshet and Flood Status \(PDF\) - May 11th, 2023 \(updated weekly\)](#)

Visit bcwildfire.ca or download the BC Wildfire Service mobile app for information on open burning, wildfire prevention and active wildfires.

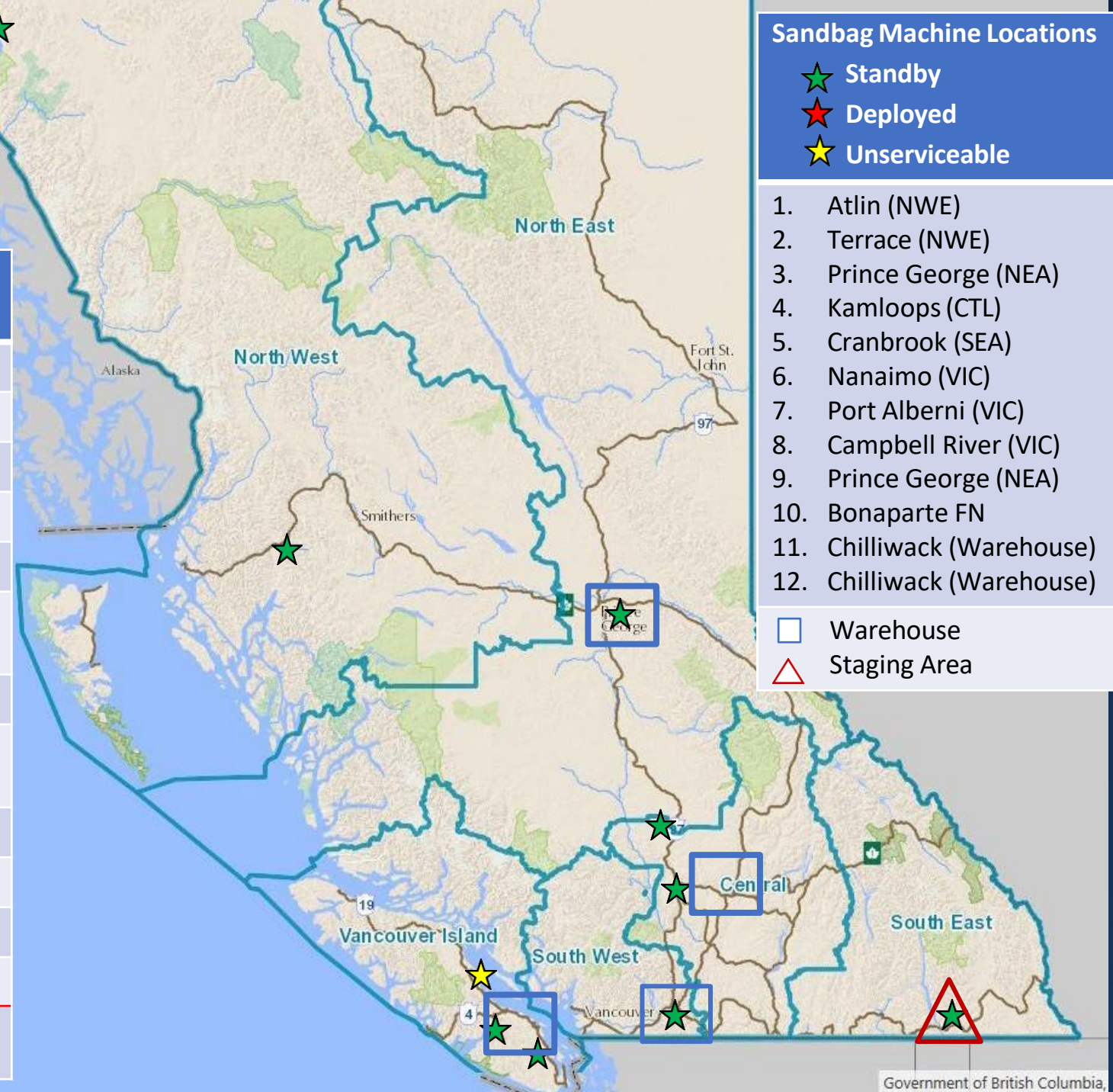
- <https://wildfiresituation.nrs.gov.bc.ca/map>
- <https://blog.gov.bc.ca/bcwildfire/>
- <https://www2.gov.bc.ca/gov/content/safety/wildfire-status/prevention/fire-bans-and-restrictions>

EMCR Flood Control Asset (FCA)




Accurate as of May 14@ 1600

Numbers reflect best situational understanding but may be subject to change



Location	Sandbags	Sandbag Machines	Tiger Dams	Gabion Baskets
CTL	230,000	2	0 m	200 m
Wee Tote	100,000	0	0 m	2330
SEA	36,000	0	800 m	600 m
Salmo Staging	18,000	1	0 m	4000
SWE	135,000	0	0 m	0 m
Chilliwack Warehouse	3,372,000	2	26,600 m	8065 m
NEA	0	2	0 m	0 m
Interior Warehouse	243,000	0	8200 m	3530 m
NWE	8,000	2	0 m	0 m
VIC	6000	2	0 m	0 m
Cold Star	51,000		0 m	2,330 m
Total FCAs	4,199,000	11	35,600 m	21055 m
Out-of-Service for Refurbishment	N/A	1	@3000 m	1000 m



Sandbag Machine Locations

-  Standby
-  Deployed
-  Unserviceable

1. Atlin (NWE)
2. Terrace (NWE)
3. Prince George (NEA)
4. Kamloops (CTL)
5. Cranbrook (SEA)
6. Nanaimo (VIC)
7. Port Alberni (VIC)
8. Campbell River (VIC)
9. Prince George (NEA)
10. Bonaparte FN
11. Chilliwack (Warehouse)
12. Chilliwack (Warehouse)

-  Warehouse
-  Staging Area

Human Impacts

ESS Impacts 2023

- NEA: 434
- CTL: 313
- SEA: 30

Freshet

- SOLEs 6
- Orders 13
- Alerts 21

Wildfires

- SOLEs 54
- Orders 5
- Alerts 5

2023 Hazard Season Coordination

EMCR continues to integrate and collaborate on the following initiatives:

- Updating EMCR process for reviewing State of Local Emergency (SOLEs) to ensure impacts to First Nations are referenced by Local Government when submitting extension requests.
- Attending regularly occurring coordination meetings with FNESS, BCWS and EMCR to support each other mandates.
- Standing up an Indigenous agency working group, led by Strategic Partnerships within EMCR, to seek ways to leverage partner organizations to support emerging issues.
- Integrating indigenous youth (internships) into EMCR regional operations to ensure improved awareness to opportunities and gaps in current approaches.

Drought Response Planning

EMCR is supporting 2023 community drought response planning by:

- Including drought as a key topic at spring seasonal readiness meetings
- Providing a draft Water Scarcity Response template to First Nations and Local Authorities and seeking their feedback.
- Supporting the following communities with updating their emergency water scarcity response plans:
 - shíshálh Nation
 - Dawson Creek
 - Hudson's Hope
 - Sunshine Coast Regional District

Extreme Heat Planning and Response

BC Heat Alert and Response System (BC HARS)

- Heat Warnings and Extreme Heat Emergencies
- Key Messages – pre-season and during the events
- Key Actions – health sector, EMCR, communities and NGOs

EMCR

- Encourage community planning for heat events
- Provide pre-season and in event coordination and information sharing
- Reimburse eligible response actions

Emergency Support Services

- Updated ESS Program Guide
- ERA Tool
 - Direct support to evacuees
 - Capability for remote mutual aid and virtual service



Evacuee Registration & Assistance (ERA)

British Columbians forced from their homes by fire, floods, earthquakes or other emergencies may receive emergency support services for up to 72 hours.

[Find out more](#) about Provincial Emergency Support Services (ESS)

Are you registering for Emergency Support Services?

If you are on an **evacuation ALERT or ORDER**, or if you have been **displaced from your home** due to an emergency please self-register for Emergency Support Services here.

[Self-Register Now](#)

What is ERA?

The Evacuee Registration & Assistance (ERA) tool is a new digital platform for Emergency Support Services. ERA is designed to increase the efficiency and speed of service delivery for evacuees across the province.

Are you an Evacuee?

If you are **evacuated or displaced** from your home and require support please [register online](#).

If you are unable to register online you can also register in person at the reception centre.

ERA User Login











ERA Users who are responding to an active emergency, or who would like to access the ERA Training Environment, choose your login below.

[ERA User Login](#)

Public Alerting

NEW in 2022



HAZARD	    <p>TSUNAMI FLOODING WILDFIRE EXTREME HEAT</p>	  <p>AMBER ALERT CIVIL EMERGENCY</p>	 <p>TORNADO & SEVERE THUNDERSTORM</p>
AUTHORITY TO ISSUE	 <p>PROVINCE</p>	 <p>Royal Canadian Mounted Police Gendarmerie royale du Canada</p> <p>RCMP</p>	 <p>Environment and Climate Change Canada</p> <p>ECCC</p>

QUESTIONS?