## Cariboo Fire Centre

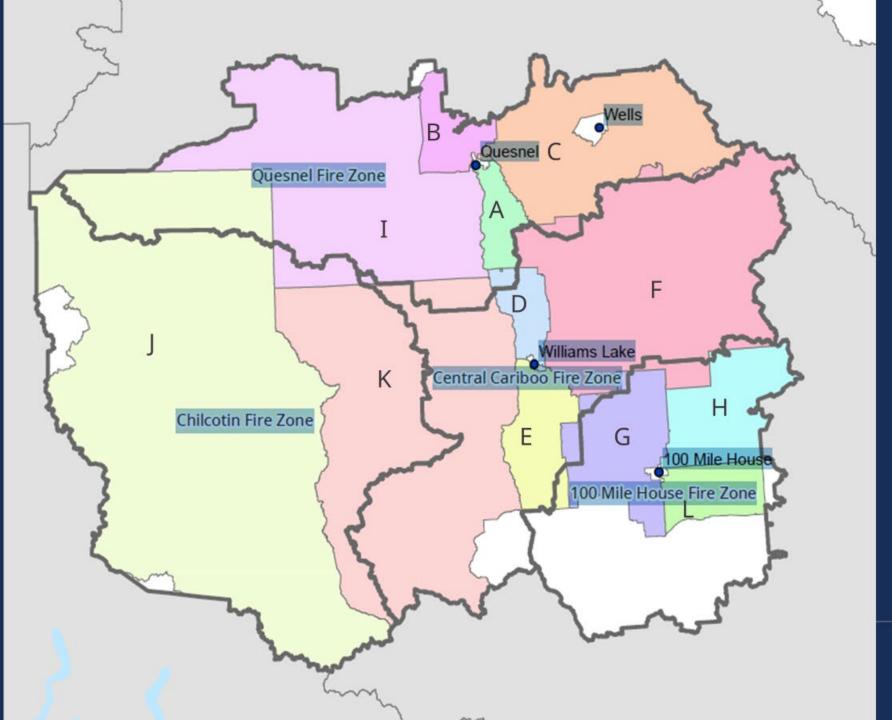
Public Wildfire Information for the Cariboo Regional District



# A brief overview of publicly available wildfire information:

- Introduction
- BCWS Mandate
- How BCWS Responds
- Resources
- Prevention
- Wildfire Information
- App & Dashboard (website)
  - Wildfires of Note (WONs)
  - Reporting a Fire
- YouTube Links





The CaFC is in the Cariboo Regional District, which is comprised of 12 Electoral Area Districts, 2 Municipalities, and 2 Distrtict communities.

#### **Regional Contacts:**

Quesnel – <u>Mayor Paull</u> Area A – Director Sjostrom Area B – Director Bachmeier Area C – Director Massier Wells – <u>Mayor Coleman</u> Williams Lake – Mayor Rathor Area D – Director Forseth Area E – Director Neufeld Area F – Director LeBourdais 100 Mile – Mayor Pinkney Area G – Director Richmond Area H – <u>Director Wagner</u> Area I - Director Glassford Area J – Director Pare Area K – Director Anderson Area L – Director de Vries

### **Our Mandate**

To deliver effective wildfire management and emergency response support

To protect lives and values at risk To encourage sustainable, healthy and resilient ecosystems

### **Pillars of Emergency Management**



Prevention

#### Preparedness

Response

Recovery

# How wildfire is fought in B.C.

We operate on land not governed by local burning bylaw, including Crown land, national & provincial parks, intertidal lands in the Strait of Georgia & private land not governed by open fire bylaw

### Local governments respond within their boundaries

Interface fires are often multiagency, including our Fire Services program



#### Wildfire Act and Wildfire Regulation:

Provides us our authority to suppress wildfires & enact fire bans and restrictions

Defines obligations for everyone in B.C. with respect to fire use

Violation tickets issued by Natural Resource Officers (NROs) & Conservation Officers (COs), not BC Wildfire Service

### Organizational Structure





Local Wildfire Zones

# Wildfire Management & Decision Making

- Incident Command System (ICS) is used to manage wildfires and all-hazard incidents.
- ICS org charts can be scaled for each incident.
- There are varying levels of coordinated decision-making to manage wildfires.



#### Incident Management Team

The **Incident Commander (IC)** makes operational decisions for a single incident or complex of incidents. IC's report to the RWCO in the fire centre where they are working.

#### Fire Zone

The **Zone Wildfire Coordination Officer** (**ZWCO**) makes operational decisions for incidents within a zone (that are not assigned to an IMT). The ZWCO reports to the Regional Operations Officer (or RWCO in Operations Officer's absence). Regional Wildfire Coordination Centre (Fire Centre)

> The **Regional Wildfire Coordination Officer (RWCO)** coordinates resource allocation of regional resources within a fire centre.

Provincial Wildfire Coordination Centre (HQ-Kamloops)

The **Provincial Wildfire Coordination Officer** (**PWCO**) coordinates resource allocation of provincial resources.





# BCWS Crews & ground personnel

#### Type 1

 BC Wildfire Service has 162 Initial Attack (IA) crews, 30 Unit Crews and 65 full-time Fire Crew Supervisors

#### Type 2&3

• We have standing arrangements with 55 contract fire suppression companies

#### Other ground personnel

- Danger Tree Assessors and Fallers (DTA, DTF)
- First Aid
- Indigenous Community Response
- Others e.g. line locators, GPS fire mapping, fire guard planning, etc.

#### IMTs

Each IMT has an Information Officer

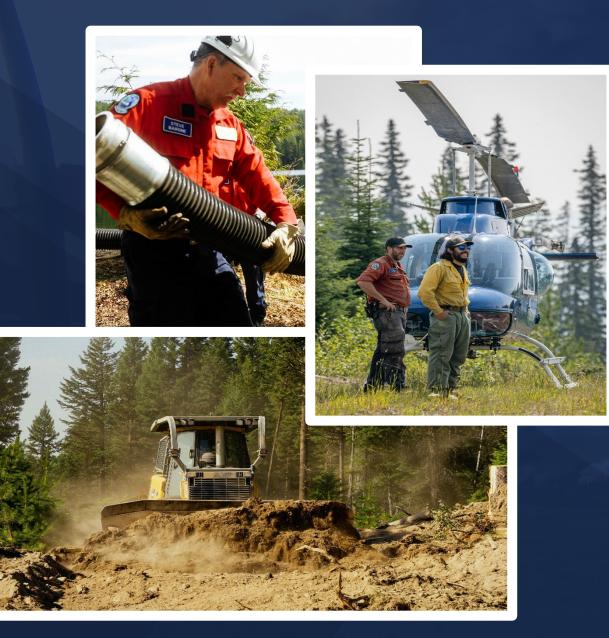


#### The Cariboo Fire Centre and Regional Wildfire Coordination Centre (RWCC) is in Williams Lake.

Located within the region are four zones: Quesnel, Chilcotin, Central Cariboo and 100 Mile House.

Crews in each Zone: Quesnel Blackwater Unit Crew 4 Initial Attack Crews Chilcotin Ravens Unit Crew Central Cariboo Vesta Unit Crew 8 Initial Attack Crews 100 Mile House Stormriders Unit Crew 2 Initial Attack Crews





### **Other BCWS resources**

#### Aviation

- 28 Air Tankers (land-based and skimmers) and bird-dog aircraft
- Rotary wing (helicopters), can surge to 150+
- Drones (reconnaissance, hot spot scanning)

**Fire Services** program & structure protection personnel from local fire departments

Heavy equipment & operators, other contracted resources

**Out-of-province** crews and overhead personnel

### Some 2024 CaFC Resources

54 Permanent Staff 190 Auxiliary Staff 44 Stat Hires 18 Juniors

27 General Service Agreements157 Equipment Rental Contracts8 Occupancy Agreements

199 vehicles assigned with an average of 15,686 km travelled
26 ATV/SXS supporting crews
180 airtanker re-loads using 1,996,331 litres of mixed retardant
29 helicopters flown

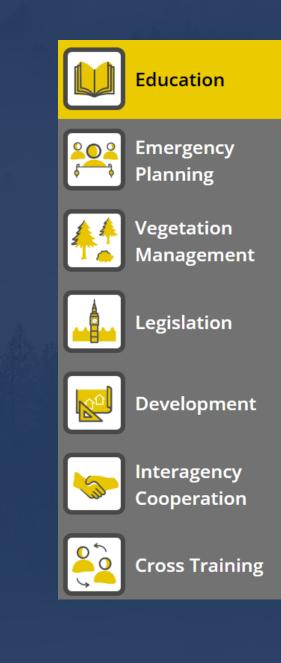
### **Prevention Overview**

Since 2017, 4 of 5 most destructive, costly wildfire seasons in B.C. history

- Thousands of homes destroyed
- > Tens of thousands of evacuees
- Billions in suppression costs
- > Over 75,000 square kilometres of forest burned
- > 100s of millions of tonnes of carbon dioxide emitted
- Lives lost, incalculable impacts on physical and mental health

Sustained increase in extreme wildfire behaviour and events, particularly in the wildland-urban interface (WUI)

Program goal: reduce the negative impacts of wildfire on public safety, property, the environment and the economy



### Cariboo Cx & Rx Burns

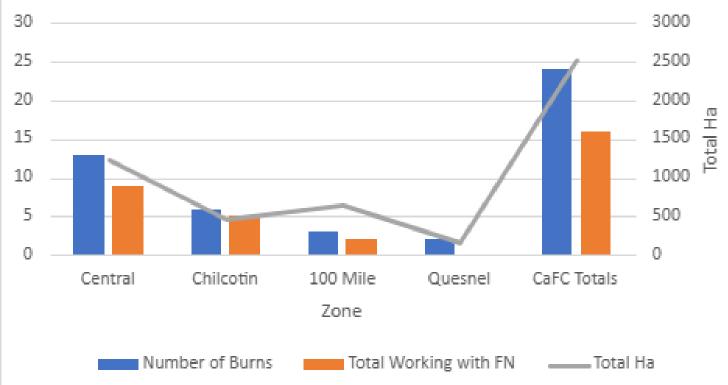
#### 2024 Prescribed Burns

- 24 projects completed
- 16 in partnership with Local First Nations
- 2533 hectares treated
- \$611,048 spent
- 25 shelf ready projects for 2025
  - <u>2024 Provinical Annual</u> <u>Report CRx</u>

#### **2025 Prescribed Burns**

• 5 projects completed as of April 1 2025

Cultural & Prescribed Burns 2024







### Detection

season

40 per cent reported by the general public
18,000 calls to the Provincial Wildfire Reporting Centre (PWRC) in 2024
1,300 reports through the web and mobile app
24/7 operations at PWRC during fire



# How can the public stay informed?

#### BC Wildfire Service Web and Mobile App



#### **BCWS Social Media**

- joined in 2009
- public education, provincial and regional information, prohibitions and rescindments, and to share details regarding the initial stages of large wildfire incidents

- NEW in December 2024 as @bcgovfireinfo
- story telling and the sharing of educational information
- build relationships with new audiences

- joined in 2023 as BC Wildfire Service
- video library of seasonal, evergreen, educational and incident update videos

- joined in 2009
- primarily used to repost information from Facebook
- As of late 2024 the use of this app is being phased out

### Other information sources

Information that BC Wildfire Service does not manage • Structure loss

- Evacuation alerts & orders, structure loss (regional/provincial)
- Emergency response, assistance to individuals/communities

• Road/highway corridor closures

- Other wildfire impacts to transportation corridors
- BC Parks affected by wildfire (impacts, closures)
- Category 1 (campfire) prohibition enforcement, tickets and fines
- Air quality, smoke effects
  - Human caused wildfire investigations, penalties and fines
  - Political issues and policy

• Hydrological drought, snowpack

WLRS

**EMCR** 

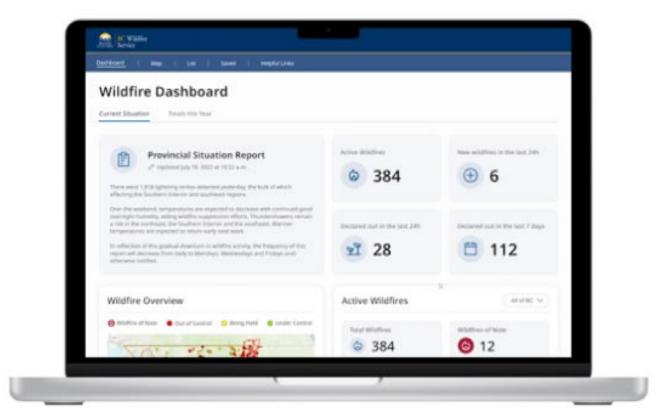
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**ENVR** 

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### Wildfire Dashboard

Holds information on the provincial wildfire situation, provincial and fire centre statistics, evacuations, resources, fire bans and prohibitions and more.

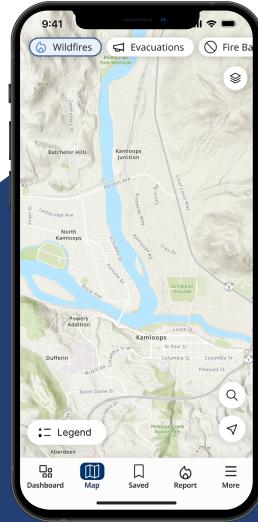


### Wildfire Map

Locate fires indicated by coloured dots and other interactive identifiable

features



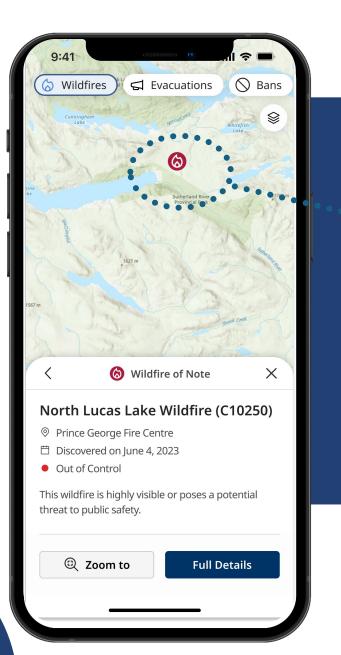




### Layer filters

Similar to Google Maps, users can quickly filter information based on the most popular needs:

- Wildfires
- Evacuation
- Fire Bans
- Area Restrictions
- Smoke Forecast
- Fire Danger
- Out Fires
- Road Events
- Authorities
- All Layers



# Specific incident information

Find important information about a specific wildfire and response efforts.

### **Full Detai**

Explore the four tabs within the ful stage of control, evacuation informa

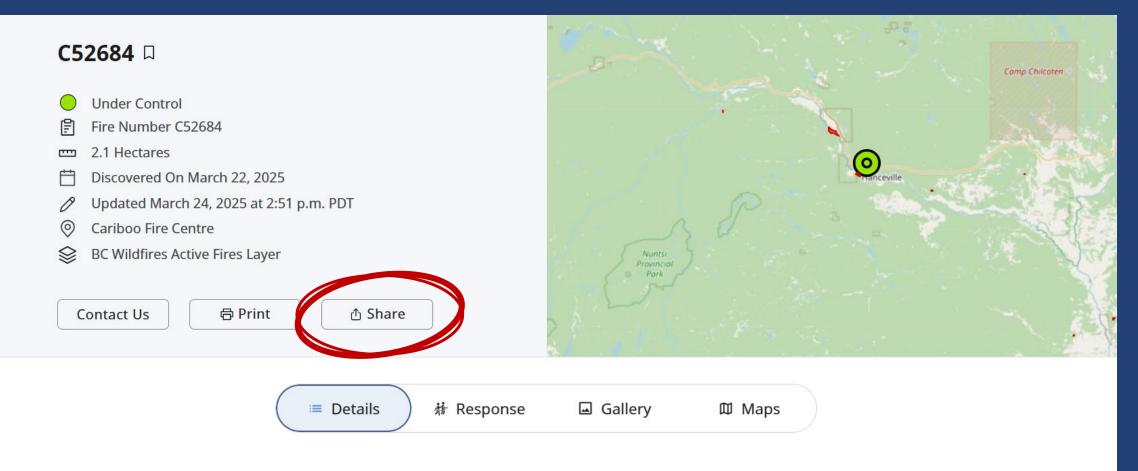
#### Automatic

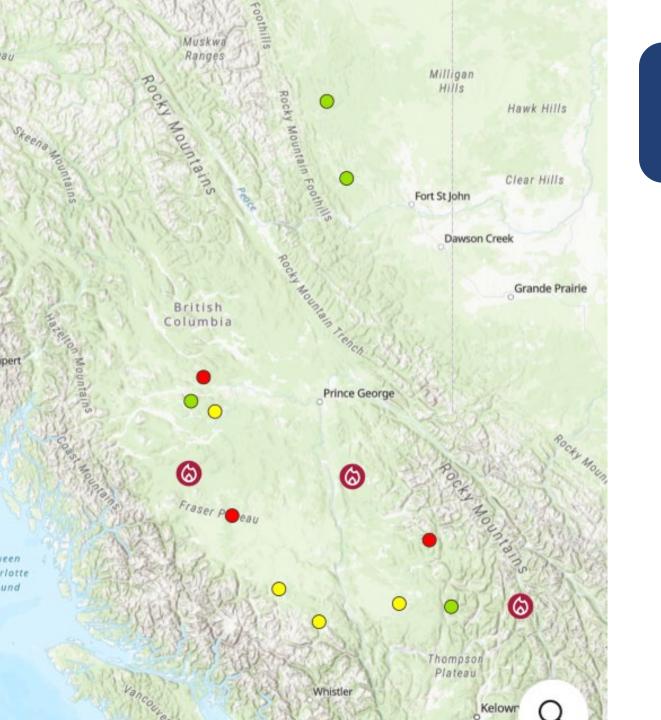
Details page

- Updated directly from dis based on information from
- Size
- Cause
- Discovery date
- Stage of control
- Location
- Peremetre

**Evac** A co Infor

### **Share Button!**





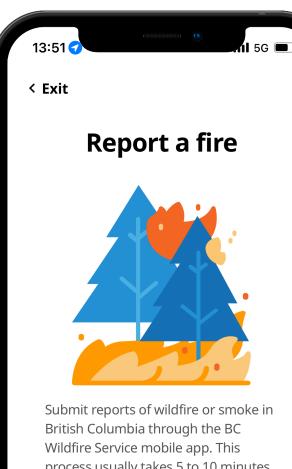
### Wildfire of Note

When a wildfire is especially visible or poses a threat to public safety, we classify it as a "Wildfire of Note" and provide detailed updates on it as information becomes available.

This icon was designed to make it easier to find and access response information on the wildfire map.

### **Report a Fire**

Report a wildfire easily from your device.



British Columbia through the BC Wildfire Service mobile app. This process usually takes 5 to 10 minutes. Reports can also be called into the Provincial Wildfire Reporting Centre toll-free.

🗞 Call

Start ightarrow

### Helpful BCWS YouTube Videos

- <u>Provincial Wildfire Reporting Centre</u>
- How we respond to wildfires Response
- BCWS App Tutorials Playlist
- <u>Coastal Fire Centre: Fire Information Overview</u>

