CWFIS GeoNetwork catalogue (PROD)

Fire Type

Fire Type (FT) provides a general description of the fire. A fire can be classified as: a "surface fire," spreading with flames that mostly remain well below the canopy of the forest; an "intermittent crown fire" when flames extend up some trees and consume the canopy; a "continuous crown fire" when flames extend up above the forest canopy over most of the fire front and can spread rapidly under the full force of the wind above the forest.

Detailed information is found in the parent document, "Canadian Forest Fire Behaviour Prediction (FBP) System -- Daily Maps", linked above, and in Supplemental Information below.

- Identification
- Distribution
- Quality
- Spatial rep.
- Ref. system Reference Systems
- Content
- Portrayal
- Metadata
- Md. constraints
- Md. maintenance
- Schema info

Identification

Data identification

Citation

Date (Publication)	2026
Date (Creation)	2017-01-01

Point of contact

Government of Canada; Natural Resources Canada; Canadian Forest Service - Data Owner (Data Owner)
5320-122nd Street, Edmonton, Alberta, T6H 3S5, Canada
780-000-0000

Other citation details	Canadian Forest Service. yyyy. Canadian Wildland Fire Information System (CWFIS), Natural Resources Canada, Canadian Forest Service, Northern Forestry Centre, Edmonton, Alberta. https://cwfis.cfs.nrcan.gc.ca.
Status	On going

Custodian

Government of Canada; Natural Resources Canada; Canadian Forest Service - Data Custodian (Data Custodian)
5320-122nd Street, Edmonton, Alberta, T6H 3S5, Canada
780-000-0000

Maintenance and Update Frequency	Daily
Government of Canada Core Subject Thesaurus	• Forest fires • Risk management
CWFIF Data Themes	• Fire behaviour
CWFIF Internal Workflow	• wf-sbx • wf-test • wf-prod
CFWIF Evaluation Method	• Analysis • Forecast
CWFIF Model Method	• FWI 1987
CWFIF Temporal Type	• Local Noon

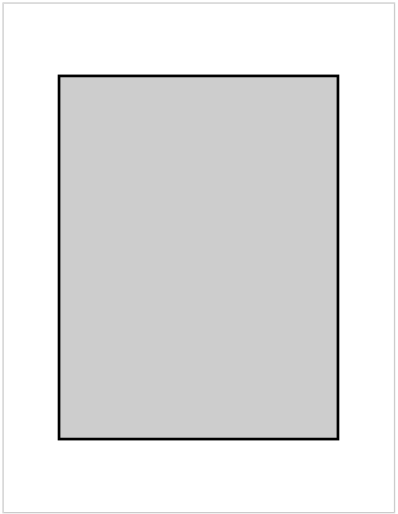
CWFIF Weather Dataset Source	• Scribe Meteocode • Observations • NAEFS
Security Classification	Unclassified

Legal constraints

Use Limitation	Open Government Licence - Canada (https://open.canada.ca/en/open-government-licence-canada)
Access Constraints	License

Spatial representation type	Grid
Language	eng
Topic category	• Environment
Begin Date	2017
End Date	2026 now

83.12	N	41.67	S	-52.62	E	-141.01	W



Supplemental Information	The forest crown is the portion between the lowest living branches and the treetops. Some tree species have a high crown base height, such as Lodgepole Pine, where the lowest branches may be a few metres above ground level. Other tree species, such as white spruce, have a crown base height approaching metres, as the lowest living branches may reach the ground. Thus, crowning may occur with different fire intensities in different tree types. The Fire Type is derived from the percentage of forest sustaining a crown fire using the Crown Fraction Burned. Class boundaries on maps are as listed below. Some fire management agencies may use a different number of classes, different class boundaries, or differing descriptive interpretations of values: NIL– Seasonal FWI System calculations are not being done, or the region is classified as non-fuel (tundra, rock, glacier, etc). Surface– Fire is not spreading into the forest canopy (crown) Intermittent Crowning– Fire occasionally reaches into the crown, or reaches the crown on some trees. The Crown Fraction Burned is less than 50% in a tree species. Crown fire– Fire is fully engulfing the forest crown along the flaming front and flames rise several metres above the treetops. The Crown Fraction Burned is 50% or higher in a tree species.

Distribution

Distribution

Distribution format	• WMS (PNG, PNG8, JPEG, GIF, TIFF, TIFF8, GeoTIFF, GeoTIFF8, SVG, PDF, GeoRSS, KML, KMZ, OpenLayers) • TIFF (TIFF)

Publisher

Government of Canada; Natural Resources Canada; Canadian Forest Service - Distributor (Distributor)
5320-122nd Street, Edmonton, Alberta, T6H 3S5, Canada
780-000-0000

Digital transfer options

Online Resource	Fire Type (HTTPS) Dataset;GeoTIF;eng,fra
Online Resource	Fire Type (HTTPS) Web Service;Web App;eng,fra
Online Resource	Fire Type (HTTPS)

	Web Service;PNG;eng
Online Resource	Fire Type (HTTPS) Web Service;PNG;fra
Online Resource	Fire Type (HTTPS) Web Service;Web App;eng,fra

Digital transfer options

No information provided.

Digital transfer options

No information provided.

Digital transfer options

No information provided.

Digital transfer options

No information provided.

Digital transfer options

No information provided.

Digital transfer options

Online Resource	public:ft (OGC:WMS) API;WMS;eng
Online Resource	public:ft (OGC:WMS) API;WMS;fra

Quality

Data quality

Hierarchy level	Dataset

Lineage

Source	• Crown Fraction Burned • CFFDRS Fire Behaviour Prediction (FBP) Fuel Types 2024 - 100m • CFFDRS Fire Behaviour Prediction (FBP) Fuel Types 2024 - 30m

Ref. system Reference Systems

Reference system identifier	http://www.epsg-registry.org / EPSG:3978 /

Metadata

Metadata

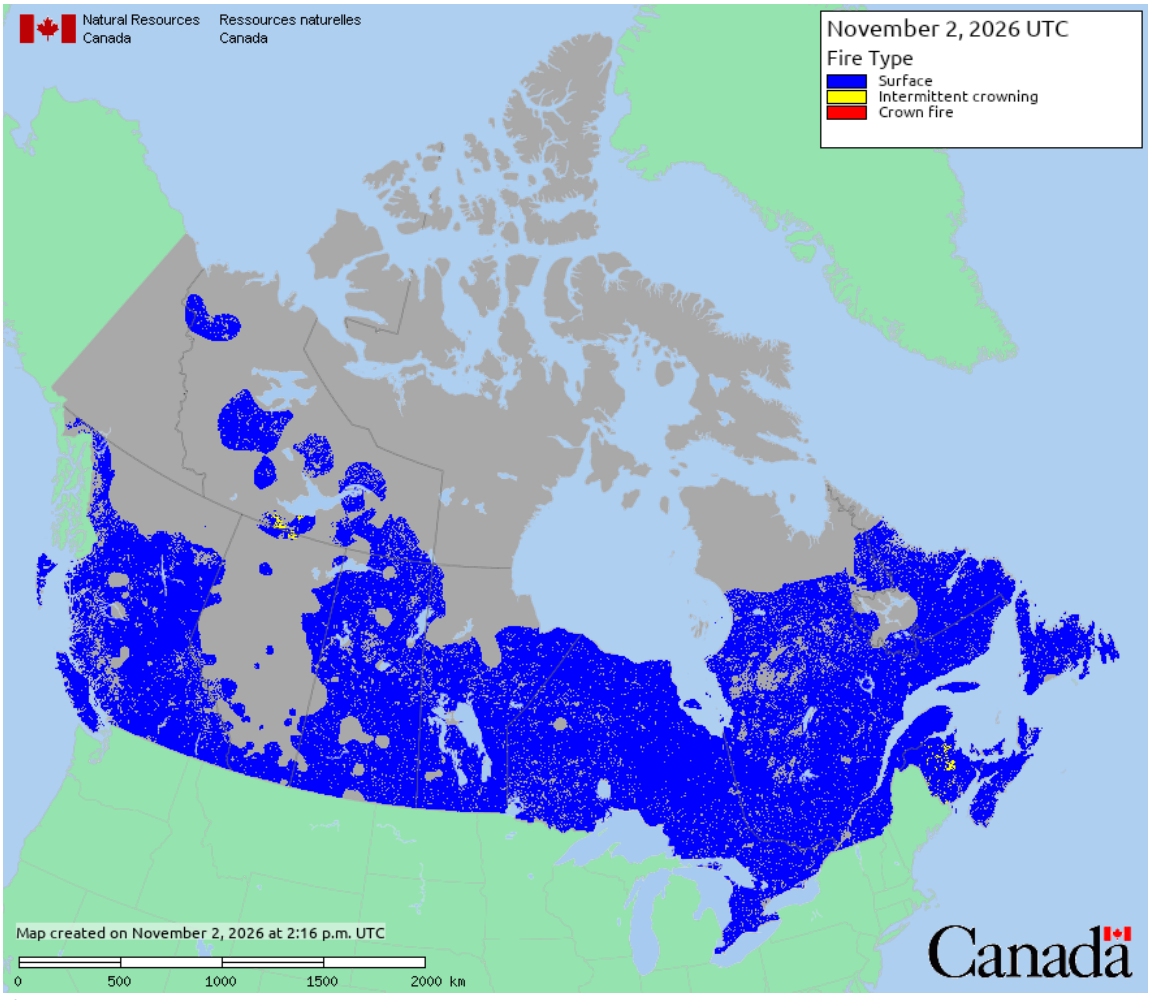
File Identifier	76b8dfdd-5a76-422d-a6ec-bebfb8b108f9 XML
Metadata language	eng; CAN
Character set	UTF8
Parent identifier	Canadian Forest Fire Behaviour Prediction (FBP) System - Daily Maps 12285f32-42ce-463c-9981-f6bd8a8e6b21

Hierarchy Level	Dataset
Date Stamp	2026-07-16T14:30:05.592Z
Metadata standard name	North American Profile of ISO 19115:2003 - Geographic information - Metadata
Metadata standard version	CAN/CGSB-171.100-2009

Point of contact

Government of Canada; Natural Resources Canada; Canadian Forest Service - Metadata Steward (Metadata Steward)
5320-122nd Street, Edmonton, Alberta, T6H 3S5, Canada
780-000-0000

Overviews



Fire Type

Provided by