CWFIS GeoNetwork catalogue (PROD)

Fine Fuel Moisture Code - FWI1987

The Fine Fuel Moisture Code is a component of the Canadian Forest Fire Weather Index (FWI) System. It tracks the moisture content of the very fine dead surface fuels that carry surface flaming in a conifer forest. Higher values mean drier conditions. The code is a good indicator of potential for a fire to sustain ignition (for example from a spark or an ember) and is often used to assess the potential for human-caused ignitions.

Vegetation (fuel) generally does not ignite with FFMC below 74, while at values of 91 or higher, fine fuel can ignite very easily with potential for rapid spread. The maximum FFMC value is 101.

Detailed information is found in the parent document, "Canadian Forest Fire Weather Index (FWI) System -- Daily Maps", linked above. Additional information may also appear 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	• Risk management • Forest fires
CWFIF Data Themes	• Fire weather • Weather
CFWIF Evaluation Method	• Analysis • Forecast
CWFIF Model Method	• FWI 1987
CWFIF Temporal Type	• Local Noon

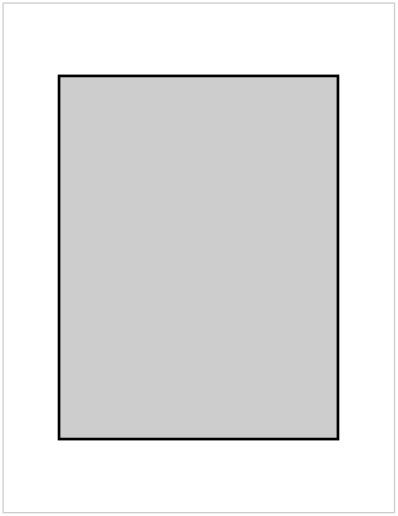
CWFIF Weather Dataset Source	• Scribe Meteocode • NAEFS • Observations
CWFIF Internal Workflow	• wf-sbx • wf-test • wf-prod
Security Classification	Unclassified

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

83.12	N	41.67	S	-52.62	E	-141.01	W



Supplemental Information	Some fire management agencies may use a different number of classes, different class boundaries, or differing descriptive interpretations of values.

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	Fine Fuel Moisture Code (HTTPS) Dataset;GeoTIF;eng,fra
Online Resource	Fine Fuel Moisture Code (HTTPS) Web Service;Web App;eng,fra
Online Resource	Fine Fuel Moisture Code (HTTPS) Web Service;PNG;eng
Online Resource	Fine Fuel Moisture Code (HTTPS) Web Service;PNG;fra
Online Resource	Fine Fuel Moisture Code (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:ffmc (OGC:WMS) API;WMS;eng
Online Resource	public:ffmc (OGC:WMS) API;WMS;fra

Quality

Data quality

Hierarchy level	Dataset

Lineage

Source	• Temperature - FWI1987 • Relative Humidity - FWI1987 • Precipitation - FWI1987 • Wind Speed and Direction - FWI1987

Ref. system Reference Systems

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

Metadata

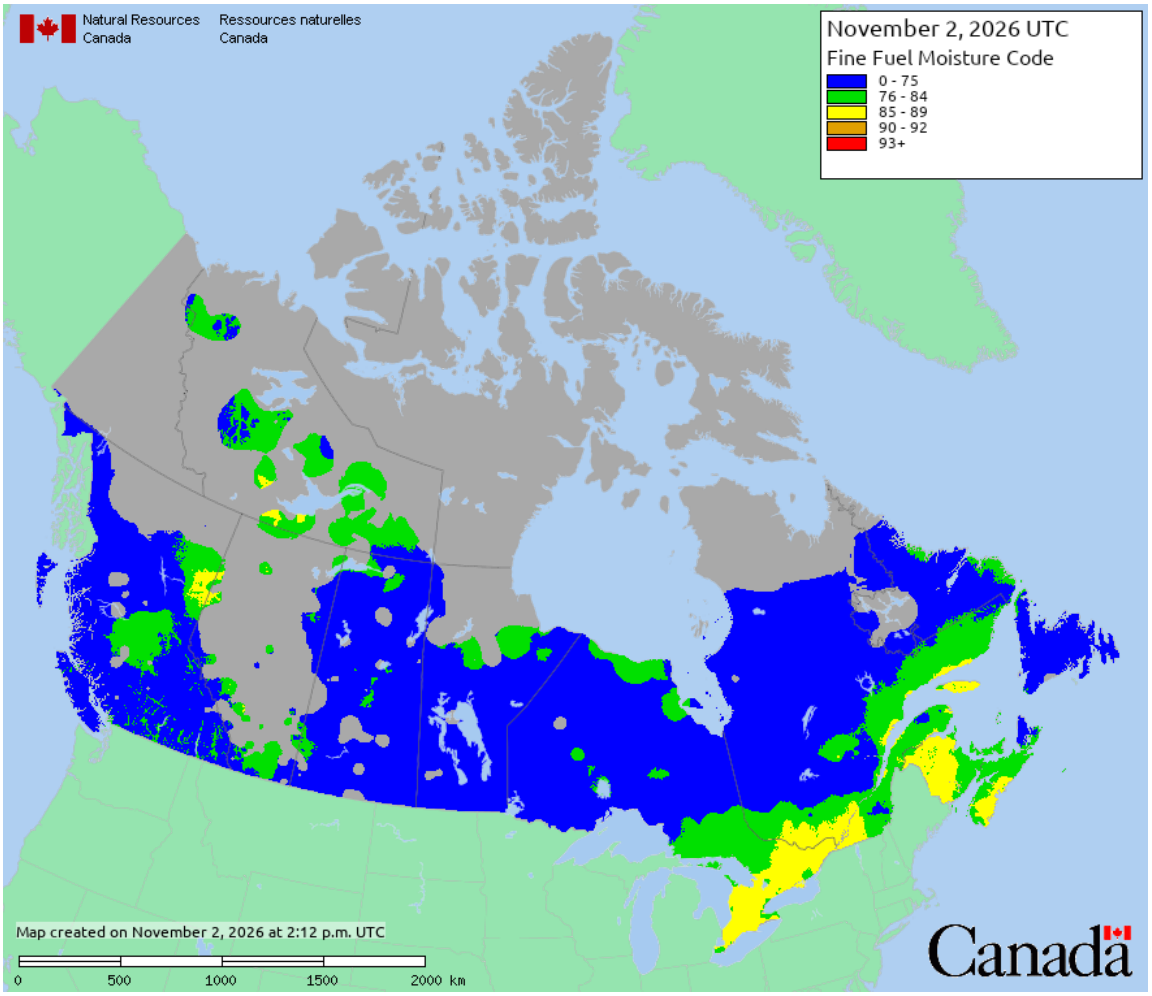
Metadata

File Identifier	1d3bb0da-49fb-4223-bae2-4cc85a3b7305 XML
Metadata language	eng; CAN
Character set	UTF8
Parent identifier	Canadian Forest Fire Weather Index (FWI) System - Daily Maps efec0079-273e-47d4-84d7-6940e0af3932
Hierarchy Level	Dataset
Date Stamp	2026-07-16T14:30:23.544Z
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



Fine Fuel Moisture Code

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