CWFIS GeoNetwork catalogue (PROD)

Total Fuel Consumption

Total Fuel Consumption (TFC) is the amount of fuel expected to be directly consumed by a fire. This includes fuels both on the surface and in the canopy of the forest. Fire intensity (an important indicator of suppression effort needed) varies linearly with fuel consumption. It is output in kilograms per square metre of ground surface.

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	• Risk management • Meteorology • Meteorological data • Forest fires
CWFIF Internal Workflow	• wf-prod • wf-sbx • wf-test
CWFIF Data Themes	• Fire behaviour
CFWIF Evaluation Method	• Analysis • Forecast
CWFIF Model Method	• FWI 1987

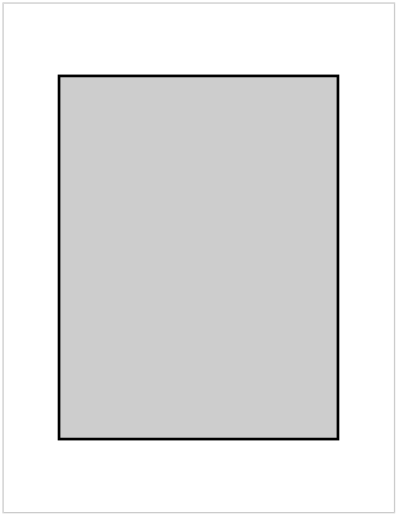
CWFIF Temporal Type	• Local Noon
CWFIF Weather Dataset Source	• Scribe Meteocode • Observations • NAEFS
Security Classification	Unclassified

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



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	Total Fuel Consumption (HTTPS) Dataset;GeoTIF;eng,fra
Online Resource	Total Fuel Consumption (HTTPS) Web Service;PNG;eng
Online Resource	Total Fuel Consumption (HTTP) Web Service;Web App;eng,fra
Online Resource	Total Fuel Consumption (HTTPS) Web Service;PNG;fra
Online Resource	Total Fuel Consumption (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:tfc (OGC:WMS) API;WMS;eng
Online Resource	public:tfc (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 • Surface Fuel Consumption

Ref. system Reference Systems

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

Metadata

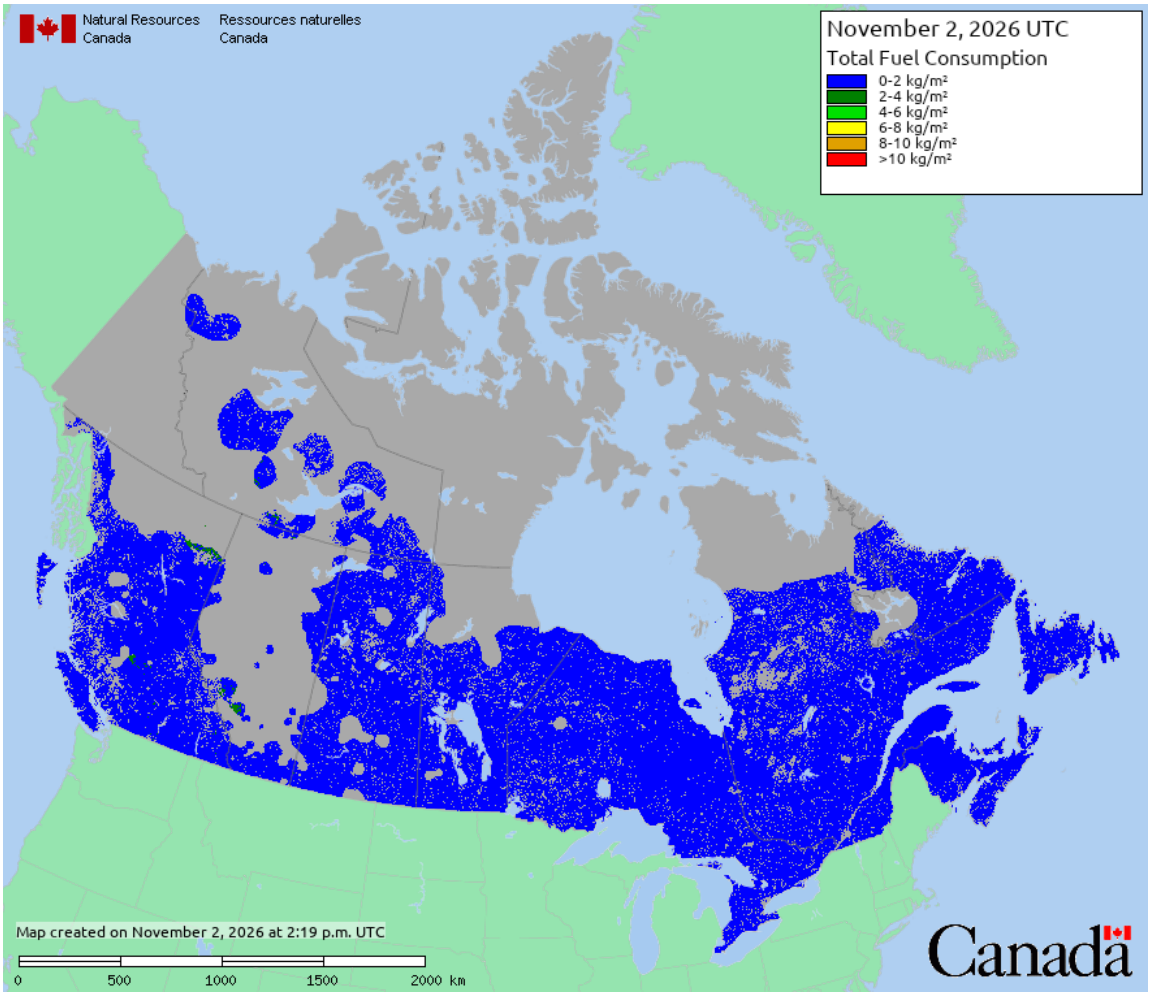
Metadata

File Identifier	df7c8d0e-f90e-4c7e-b62e-1259352b1e3e 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	2026-07-16T14:30:43.581Z
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



Total Fuel Consumption

Provided by