CWFIS GeoNetwork catalogue (PROD)

Active Wildfires in Canada

Information about new and active wildland fires is updated daily from fire management agencies (provinces, territories, and Parks Canada). Data for all agency reported wildland fires is made available through a national Data Integration Project (DIP), coordinated by the Canadian Interagency Forest Fire Centre (CIFFC) and Natural Resources Canada, with participation from all partner agencies.

The active wildland fires data includes attributes such as agency, fire ID, latitude, longitude, discovery date, fire size (hectares), agency response and stage of control (fire status). Stage of control values include: OC (Out of Control), BH (Being Held), and UC (Under Control).

For information on all reported and extinguished fires, refer to the Agency Reported Wildfires in Canada data.

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Identification

Data identification

Citation

Date (Publication)	2026
Date (Creation)	2020-04-01

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

Status	On going

Custodian
Government of Canada; Natural Resources Canada; Canadian Forest Service - Data Custodian (Data Custodian)
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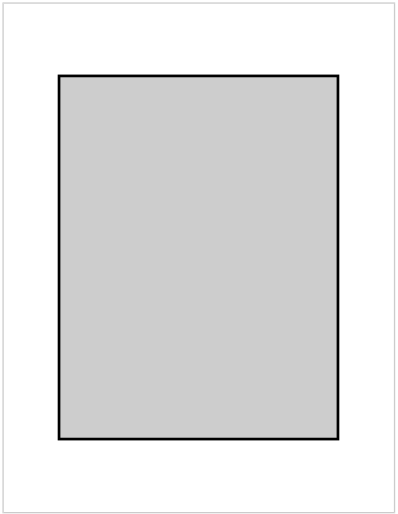
Maintenance and Update Frequency	Daily
Government of Canada Core Subject Thesaurus	• Forest fires
CWFIF Data Themes	• Fire mapping and monitoring
CWFIF Internal Workflow	• wf-test • wf-sbx • wf-prod
Security Classification	Unclassified

Legal constraints

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

Spatial representation type	Vector
Language	eng
Topic category	• Environment
Begin Date	2025
End Date	2025

83.12	N	41.67	S	-52.62	E	-141.01	W



Supplemental Information

The national Data Integration Project (DIP) is coordinated by the Canadian Interagency Forest Fire Centre (CIFFC) and Natural Resources Canada with participation from all partner agencies. This initiative focuses on development and implementation of data standards and enabling the exchange and access of national fire data. More details are available in the CIFFC IM/IT Strategy, available at: https://ciffc.ca/publications/general-publications

Reported Fires – Attribute/field descriptions:

- id [long] - Internal CWFIF system record id

- agency_code [string] - A two-letter code identifying the source fire management agency of the fire record (Province, Territory or Parks Canada).

Values: AB (Alberta), BC (British Columbia), MB (Manitoba), NB (New Brunswick), NL (Newfoundland), NS (Nova Scotia), NT (Northwest Territories), ON (Ontario), PC (Park's Canada), PE (Prince Edward Island), QC (Quebec), SK (Saskatchewan), YT (Yukon Territory).

- region_code [string] - A code (abbreviation) identifying the region associated with the source agency (National Park, district, region etc.) as determined from agency source data. Not all agencies indicate a region in the data provided.

- agency_fire_id [string] - The fire number or ID assigned by the agency to the fire.

- national_fire_id [string] - A national Fire ID created to ensure unique fire identification across all agencies, derived using the agency_fire_id prefixed with the 4-digit fire year and the 2-letter agency_code.

Example: YYYY + agency_code + agency_fire_id.

- national_fire_cause [string] - The national fire cause classification for the fire (Human, Natural or Undetermined) as derived and aggregated from agency reports.

Values: H (Human caused fire), N (natural caused fire such as lightning and other natural causes), U (Undetermined cause).

- fire_type_ics [int] - The Incident Command System (ICS) fire type classification for the fire if provided by source agency.

Values: -1 (Not reported), 1, 2, 3, 4, 5.

- severity_nearest_dsr [decimal] - The DSR (Daily Severity Rating) of the nearest weather station if provided by source agency.

Values: –1 (Not reported), DSR value.

- fire_was_prescribed [int] - An indicator as to whether this fire is a prescribed fire (PB), if provided by source agency.

Values: -1 (Not Reported/Unknown), 0 (false, not PB), 1 (true, no rationale), 2 (true, ecological), 3 (true, hazardous reduction, 4 (true, sivicultural).

- percent_contained [decimal] - The percentage of the fire that has been contained with the use of mechanical, hose line or natural barriers, if provided by source agency. Fires with status = UC should have a percent contained = 100.

Values: between 0 and 100.

- fire_size [decimal] - Fire size (in hectares) as reported by fire management agency.

Values: positive decimal value, -1 (not reported or error).

- response_type [string] - A category indicating the response to the fire as reported by fire management agency.

Values: FUL (Full response) – A wildfire which requires immediate, aggressive initial attack and/or sustained suppression action until the fire is declared out; MOD (Modified response) – A wildfire that is managed using a combination of suppression techniques, including direct and indirect attack as well as monitoring to steer, contain or otherwise manage fire activity within a pre determined perimeter such that costs and/or damage are minimized and/or benefits from the fire are maximized; MON (Monitored response) – A wildfire that is observed and assessed to determine the response option required to minimize social disruption and/or significant value and resource impacts while achieving beneficial ecological, economic or resource management objectives.

- stage_of_control_status [string] - This is a two-letter code indicating the current stage of control of the fire.

Values: OC (Out of Control) – Describes a wildfire not responding, or only responding on a limited basis, to suppression action such that perimeter spread is not being contained; BH (Being Held) – Describes a wildfire that with currently committed resources, sufficient suppression action has been taken that the fire is not likely to spread beyond existent or predetermined boundaries under prevailing and forecasted conditions; UC (Under Control) – Describes a wildfire having received sufficient suppression action to ensure no further spread of the fire; EX (Extinguished) – Describes a wildfire having been extinguished.

- situation_report_date [dateTime] - This is the date the fire management agency first reported the fire as a start or discovery date or initial report date. If this detail is missing from source data then the date recorded is when the report was first received from source agency.

- status_date [dateTime] - The date associated with the change in the fire status as reported by the fire management agency. If this status_date is not provided by source, then it is the date that the agency reported a change in fire status fields.

- latitude [decimal] - Latitude coordinate in decimal degrees for the approximate fire location as provided by agency. Accuracy and precision is variable across space and time. Location may represent known ignition, or approximate fire location.

- longitude [decimal] - Longitude coordinate in decimal degrees for the approximate fire location as provided by agency. Accuracy and precision is variable across space and time. Location may represent known ignition, or approximate fire location.

- geometry [WKT POINT() form with SRID=3798]

- fire_year [int] - The calendar year in which the fire occurred. It is determined from the following ways: a fire year column if one exists as reported by the agency, a fire year determined from other fields such as agency_fire_id, or the fire year determined from the situation_report_date.

- status_year [int] - The year in which the fire status update is provided, derived from the date the report was received from the fire management agency (record_start date).

- record_start [dateTime] - Time series field. A fire may be represented by multiple records as changes are reported or detected. The date/time in this record_start field marks the beginning of the record's timerange validity. Record times form a continuous sequence of halfopen intervals.

- record_end [dateTime] - Time series field. A fire may be represented by multiple records as changes are reported or detected. The date/time in this record_end field is the exclusive end of the record's timerange validity. For the most recent active records in a given year, record_end is set to YYYY-12-31T23:59:59.99999 to indicate the record is valid through the end of the year.

Distribution

Distribution

Distribution format	• CSV (Comma separated text files) • WMS (PNG, PNG8, JPEG, GIF, TIFF, TIFF8, GeoTIFF, GeoTIFF8, SVG, PDF, GeoRSS, KML, KMZ, OpenLayers) • WFS (GML2, GML3, Shapefile, JSON, JSONP, CSV)

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	public:cwfif_national_activefires (OGC:WMS) API;WMS;eng
Online Resource	public:cwfif_national_activefires (OGC:WMS) API;WMS;fra
Online Resource	Active Wildland Fires (HTTPS) Web Service;PNG;eng
Online Resource	Active Wildland Fires (HTTPS) Web Service;PNG;fra
Online Resource	Active Wildland Fires (HTTPS) Web Service;Web App;eng,fra
Online Resource	Active Wildland Fires - Current Year - CSV (HTTP) Dataset;SHP;eng,fra
Online Resource	Active Wildland Fires - Current Year - Shapefile (HTTP) Dataset;SHP;eng,fra
Online Resource	Active Wildland Fires - Dataset Attributes (HTTP) Dataset;XML;eng,fra
Online Resource	Reported Fires Statistics API (HTTP) API;JSON;eng,fra
Online Resource	Active Wildland Fires - Current Year - GeoJSON (HTTP) Dataset;GeoJSON;eng,fra
Online Resource	Active Wildland Fires - Current Year - JSON (HTTP) Dataset;JSON;eng,fra

Digital transfer options

No information provided.

Digital transfer options

Online Resource	Active Wildland Fires (HTTPS) Web Service;Web App;eng,fra

Quality

Data quality

Hierarchy level	Dataset

Ref. system Reference Systems

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

Metadata

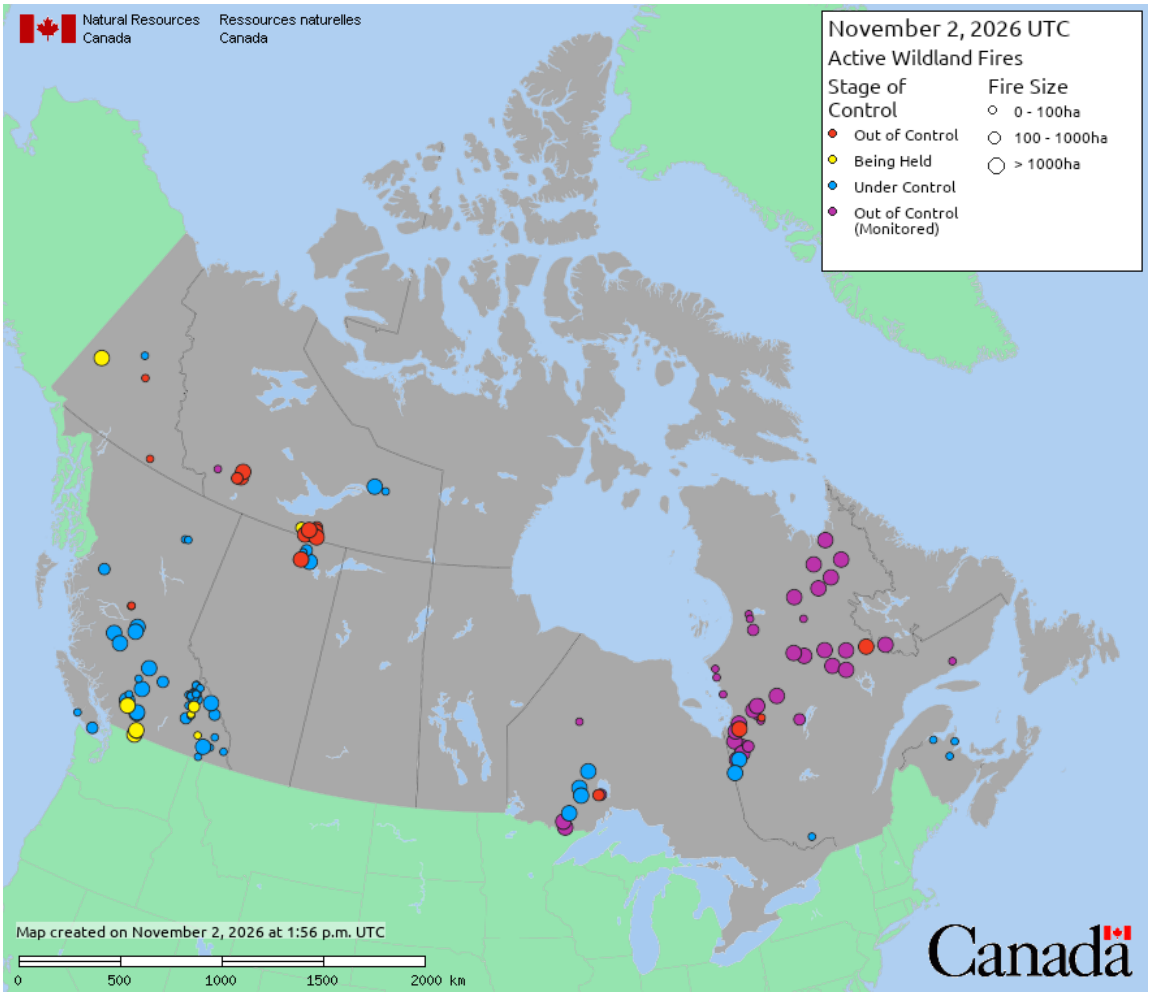
Metadata

File Identifier	bd641635-d30d-4b77-abc0-d6b59b1e8a00 XML
Metadata language	eng; CAN
Character set	UTF8
Parent identifier	Agency Reported Wildfires in Canada 937eb7be-83fd-4b94-a122-9cc0385f3bf7
Hierarchy Level	Dataset
Date Stamp	2026-10-19T13:51:09.499Z
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)
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Overviews



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Provided by