National Fire Database - Agency Provided Fire Perimeters (v2021)
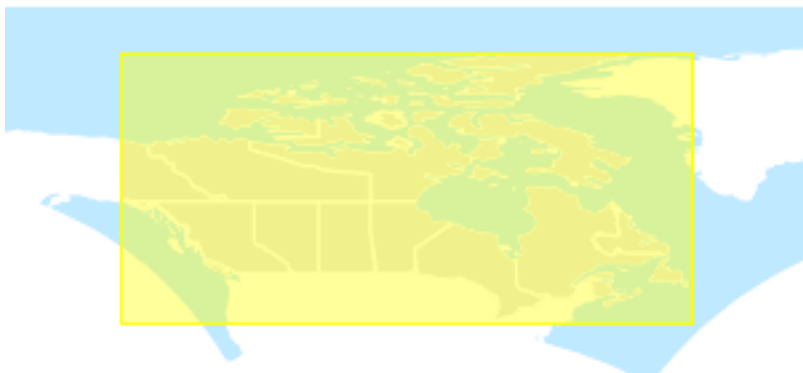
Description

The Canadian National Fire Database (CNFDB) fire polygon data is a collection of forest fire perimeters as provided by Canadian fire management agencies including provinces, territories, and Parks Canada.

The CNFDB can be used for spatial and temporal analyses of landscape-scale fire impacts.

Note that the data contained in the CNFDB are not complete nor are they without error. Not all fires have been mapped, and data accuracy varies due to different mapping techniques. This collection includes only data that has been contributed by the agencies. Data completeness and quality vary among agencies and between years.

Geographic Extent	SW:-141.003 41.676, NE:-52.617 83.114

Time Period	From:1980 - To:2020

Data Resources

Name	Resource Type	Language	Format
National Fire Database fire polygon data	Dataset	English	SHP
Canadian Wildland Fire Information System	Supporting Document	English, French	HTML
NFDB_poly_shapefile_metadata.pdf (Available only in English)	Supporting Document	English, French	PDF
National Fire Database fire polygon data (large fires only # 200 hectares)	Dataset	English	SHP
NFDB_MRB_1980to2020	Web Service	English	WMS
NFDB_MRB_1980to2020	Web Service	French	WMS

Additional Information

Dataset Identification

Date	2021-07-07 (Publication)
Date	2021-07-07 (Creation)
Status	On going
Maintenance and Update Frequency	Annually

Preview Image

Data Classification

GC Core Subject Thesaurus	Forest fires
Topic category	Environment

Metadata Contact

Individual Name	John Little
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Use Limitation	Open Government Licence - Canada (http://open.canada.ca/en/open-government-licence-canada)
Access Constraints	License
Use Constraints	Other restrictions
Use Constraints	License End User
Other constraints	Please note, an End-User Agreement is required for accessing these data. Please refer to this agreement for information regarding restrictions of use: https://cwfis.cfs.nrcan.gc.ca/downloads/EUA/End_User_Agreement_EN.html.php
Spatial representation type	Vector
Metadata language	English
Supplemental Information	The CNFDB fire point and polygon data are collected from Canadian fire management agencies including provinces, territories, and Parks Canada. To create the Canada-wide product, the data collected from each agency are projected into a common format and combined with data from other agencies; attribute fields are standardized; agency specific attribute fields are removed; and polygon areas are calculated using GIS.

Note that the data contained in the CNFDB are not complete nor are they without error. Locations are approximate. Not all fires have been mapped, and data accuracy varies due to different mapping techniques. This collection includes only data that has been contributed by the agencies. Data completeness and quality vary among agencies and between years.

For analyses for a single province or territory or for Parks Canada, we suggest you contact the appropriate agency. Links to the agency web sites can be found through the Canadian Interagency Forest Fire Centre (CIFFC) website at http://www.ciffc.ca

The database is a large collaborative effort by all Canadian fire agencies. We thank the many individuals who contributed to this effort, including fire crews, field personnel, photo interpreters, pilots, digitizers, and analysts. Compilation of the Canada-wide database was partially supported by the Canadian government programs of ENFOR (ENergy from the FORest), the Program on Energy Research and Development, the Climate Change Action Fund, and Action Plan 2000.

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Role	Distributor

When using these data for mapping activities and analysis, research, evaluation or display, please acknowledged the source using the following citation: Canadian Forest Service. Canadian National Fire Database – Agency Fire Data. Natural Resources Canada, Canadian Forest Service, Northern Forestry Centre, Edmonton, Alberta. https://cwfis.cfs.nrcan.gc.ca/en_CA/nfdb.

The NFDB polygons include data for the following agencies and years:

BC 1917-2020;
AB 1931-2020;
SK 1945-2020;
MB 1928-2020;
ON 1963-2020;
QC 1973-2020;
NS 1976-2020;
NB 1980-2013;
NL 1980-2016;
YT 1946-2020;
NT 1965-2020;
PC 1923-2015.

Distribution Information

Distribution format

Name	SHP
Version	ESRI shapefiles geospatial vector data format

Distribution format

Name	WMS
Version	PNG, PNG8, JPEG, GIF, TIFF, TIFF8, GeoTIFF, GeoTIFF8, SVG, PDF, GeoRSS, KML, KMZ, OpenLayers

Metadata maintenance

Metadata Record

File Identifier	a6070190-519c-49bf-9144-a503fcdabf1e
Hierarchy Level	Dataset
Date Stamp	2021-08-23T23:07:41
Metadata language	English (Other language:French)
Character set	UTF8
Metadata standard name	North American Profile of ISO 19115:2003 - Geographic information - Metadata
Metadata standard version	CAN/CGSB-171.100-2009

Reference System Information

Unique resource identifier	EPSG:3978
Codespace	http://www.epsg-registry.org