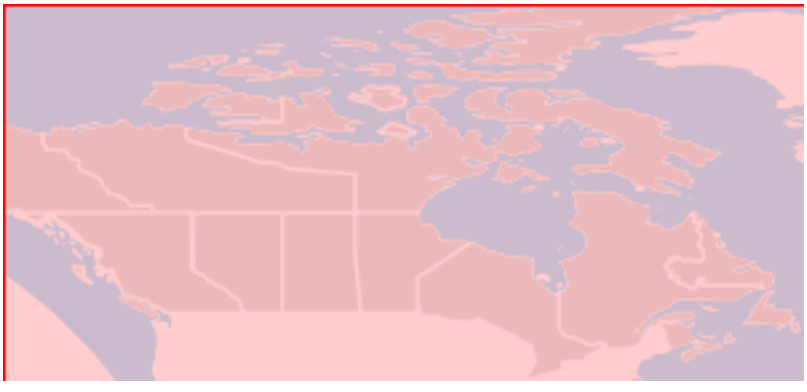
Current Fire Danger

Description

Fire Danger is a relative index of how easy it is to ignite vegetation, how difficult a fire may be to control, and how much damage a fire may do. Fire Danger is a reclassification of the CFFDRS fire weather index (FWI) which is a numeric rating of fire intensity. These general fire descriptions apply to most coniferous forests. The national fire danger maps show conditions as classified by the provincial and territorial fire management agencies. Choice and interpretation of classes may vary between provinces. For fuel-specific fire behavior, consult the Fire Behavior Prediction maps. • Low: Fires likely to be self-extinguishing and new ignitions unlikely. Any existing fires limited to smoldering in deep, drier layers. • Moderate: Creeping or gentle surface fires. Fires easily contained by ground crews with pumps and hand tools. • High: Moderate to vigorous surface fire with intermittent crown involvement. Challenging for ground crews to handle; heavy equipment (bulldozers, tanker trucks, aircraft) often required to contain fire. • Very High: High-intensity fire with partial to full crown involvement. Head fire conditions beyond the ability of ground crews; air attack with retardant required to effectively attack fire's head. • Extreme: Fast-spreading, high-intensity crown fire. Very difficult to control. Suppression actions limited to flanks, with only indirect actions possible against the fire's head. Forecasted weather data provided by Environment Canada. More information about forecasted weather is available at http://cwfis.cfs.nrcan.gc.ca/background/dsm/fwi More information about the Canadian Forest Fire Weather Index (FWI) System is available at http://cwfis.cfs.nrcan.gc.ca/background/summary/fwi Maps are produced using Spatial Fire Management System and are updated multiple times per day. Maps updated daily, year-round.

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

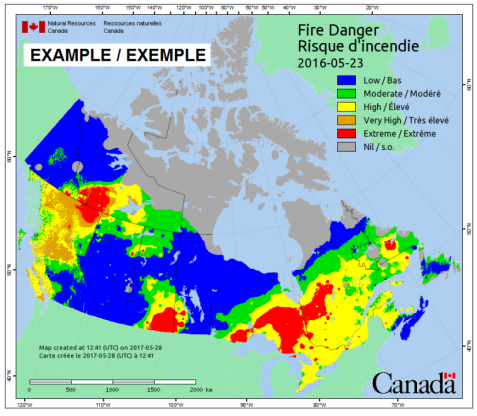


Time Period	From:2000 - To:2020

Resources

Resource Name	Resource Type	Language	Format
Current fire danger (wms)	Web Service	English, French	WMS
Current fire danger (shp)	Dataset	English, French	SHP
Fire Danger Map	Web Service	English, French	PNG
Fire Danger - Provincial/ territorial classifications	Supporting Document	English, French	PDF
Fire Danger - full metadata	Supporting Document	English, French	XML

Preview Image



Data Classification

GC Core Subject Thesaurus	Forest fires, Risk management
Topic category	Environment

Metadata Contact

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Protocol	http
Role	Point of contact

Data Contact

Individual Name	Justin Beckers
Organization Name	Government of Canada; Natural Resources Canada; Canadian Forest Service /

Additional Information

Dataset Identification

Date	2020 (Publication)
Date Type	Publication
Date	2020-01-01 (Creation)
Date Type	Creation
Status	On going
Maintenance and Update Frequency	Daily
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: http://cwfis.cfs.nrcan.gc.ca/downloads/EUA/End_User_Agreement_gen_EN.html.php
Spatial representation type	Vector
Metadata language	English
Supplemental Information	The Canadian Forest Fire Danger Rating System (CFFDRS). is a national system for rating the risk of forest fires in Canada. Forest fire danger is a general term used to express a variety of factors in the fire environment, such as ease of ignition and difficulty of control. Fire danger rating systems produce qualitative and/or numeric indices of fire potential, which are used as guides in a wide variety of fire management activities. The CFFDRS has been under development since 1968. Currently, two subsystems–the Canadian Forest Fire Weather Index (FWI) System and the Canadian Forest Fire Behavior Prediction (FBP) System–are being used extensively in Canada and internationally.

Distribution Information

Distribution format

Name	SHP
Version	ESRI shapefiles geospatial vector data format

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Protocol	http
Role	Custodian

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Protocol	http
Role	Distributor

Metadata Record

File Identifier	ae69e070-a3ac-48e1-8680-10753852f5f8
Hierarchy Level	Dataset
Date Stamp	2020-01-16T18:42:32
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