CWFIS GeoNetwork catalogue (PROD)

Initial Spread Index - FWI1987

The Initial Spread Index is a component of the Canadian Forest Fire Weather Index (FWI) System. It is an indicator of how quickly a fire will spread through a conifer stand. Higher numbers indicate faster spread rates. The relationship between specific ISI values and actual spread rate can vary with fuel type. Please see the Fire Behaviour Prediction maps for more details.

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)	2025
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
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Maintenance and Update Frequency	Daily
Government of Canada Core Subject Thesaurus	• Risk management • Meteorology • Meteorological data • Forest fires
CWFIF Data Themes	• Fire weather • Weather
CFWIF Evaluation Method	• Analysis • Forecast
CWFIF Model Method	• FWI 1987
CWFIF Temporal Type	• Local Noon
	• Observations

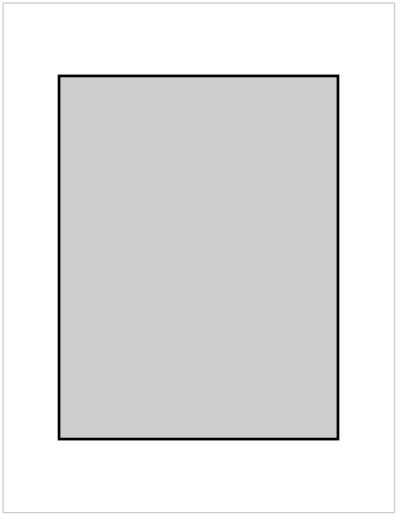
CWFIF Weather Dataset Source	• Scribe Meteocode • NAEFS
CWFIF Internal Workflow	• wf-sbx • wf-test • wf-prod
Security Classification	Unclassified

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 now

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	Initial Spread Index (HTTPS) Dataset;GeoTIF;eng,fra
Online Resource	Initial Spread Index (HTTPS) Web Service;Web App;eng,fra
Online Resource	Initial Spread Index (HTTPS) Web Service;PNG;eng
Online Resource	Initial Spread Index (HTTP) Web Service;Web App;eng,fra
Online Resource	Initial Spread Index (HTTPS) Web Service;PNG;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:isi (OGC:WMS) API;WMS;eng
Online Resource	public:isi (OGC:WMS) API;WMS;fra

Quality

Data quality

Hierarchy level	Dataset

Lineage

Source	• Fine Fuel Moisture Code - FWI1987 • Wind Speed and Direction - FWI1987

Ref. system Reference Systems

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

Metadata

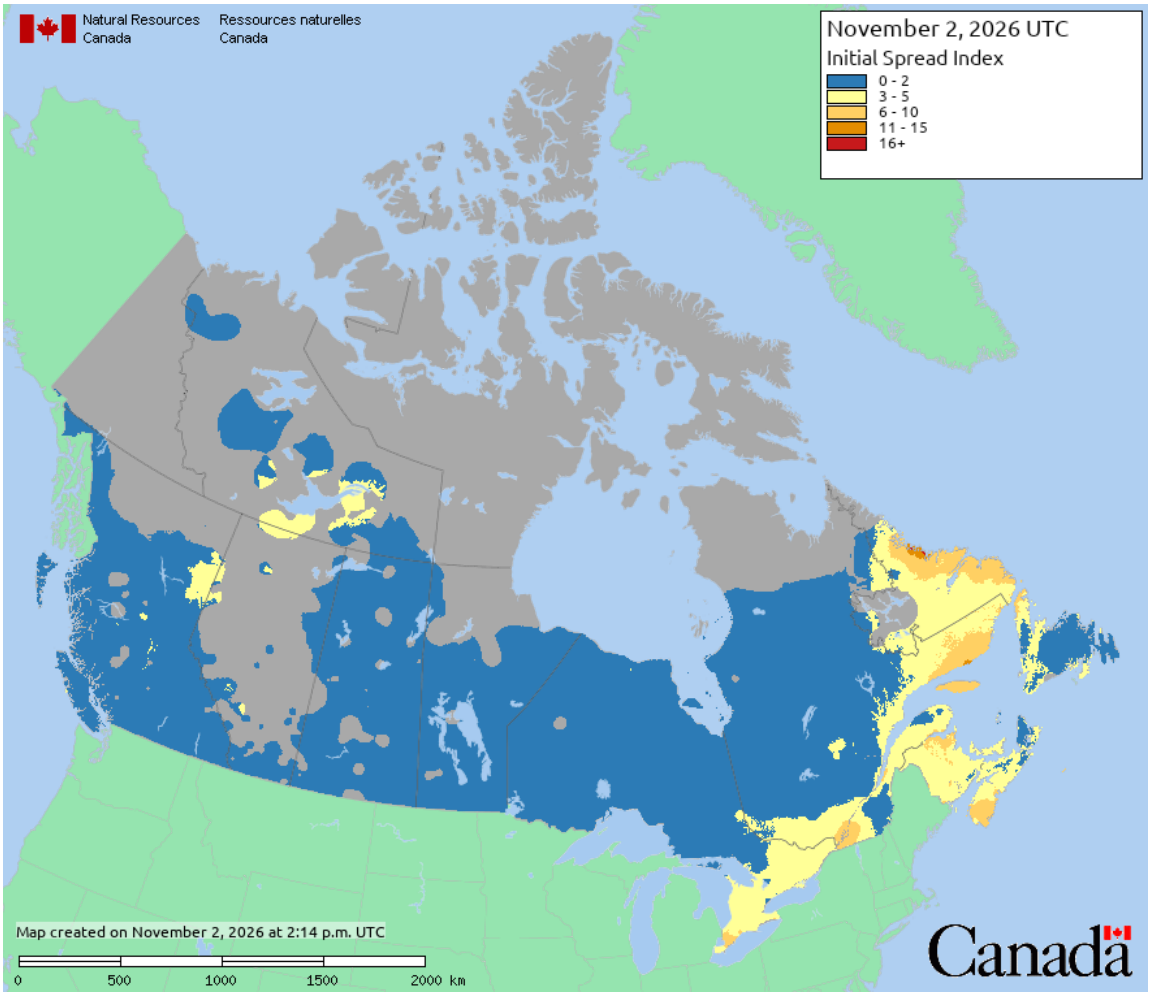
Metadata

File Identifier	29c559c6-2cd4-4fa6-a996-dfce411a6b8d 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	2026-07-16T14:30:58.422Z
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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780-000-0000

Overviews



Initial Spread Index

Provided by