

CWFIS Data Placemat - List of Services

Current as of: February 26, 2026

This "placemat" contains a list of key map layers delivered as CWFIS public services. It also includes details regarding changes/updates to many of the legacy CWFIS data services.

NOTE: We are currently in the process of migrating all data layers from our CWFIS Legacy GeoServer to a new, upgraded CWFIF GeoServer environment. This document reflects the status of this migration and includes updated layer names associated with the upgraded system. The new CWFIF GeoServer introduces several enhancements, including support for a time dimension, enabling more dynamic and flexible data access supporting date/time based queries.

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Resources:

CWFIS Data Catalogue - For more information about individual data products and services - <https://prod-cwfis.azure.cloud.nrcan-mcan.gc.ca/en/data-catalogue>

CWFIS Downloads Directory - <https://prod-cwfis.azure.cloud.nrcan-mcan.gc.ca/downloads> - **NOTE:** after March 31, 2026, the link will revert to - <https://cwfis.cfs.nrcan.gc.ca/downloads>

How to use CWFIS Data Services - <https://prod-cwfis.azure.cloud.nrcan-mcan.gc.ca/downloads/docs/en/how-to/how-to-access-cwfis-data-services.pdf>

GeoServer Endpoints:

NOTE: CWFIS currently uses the following two GeoServer instances to provide data services. **ALL services will be migrated to the new CWFIF GeoServer by March 31st, 2026** to ensure a unified, single service endpoint for the upcoming fire season.

CWFIS Legacy GeoServer - For full list of services available, view GetCapabilities - <https://cwfis.cfs.nrcan.gc.ca/geoserver/ows?service=WMS&version=1.3.0&request=GetCapabilities>

CWFIF GeoServer - For full list of services available, view GetCapabilities - <https://geoserver.cwfif.nrcan.gc.ca/geoserver/ows?service=WMS&version=1.3.0&request=GetCapabilities>

Data Theme	Title	NEW CWFIS 2.0 Layer Name	OLD CWFIS Legacy Layer Name <i>Legacy services no longer supported. Please refer to NEW CWFIS 2.0 Layer Names</i>	Services (wms/wfs/wcs)	Geoserver endpoint (Refer to data resources)	Time Dimension (Y/N) (Capable of date query)	Available date range	Metadata link (CWFIS Data Catalogue)	Downloadable files (If available)
Fire mapping and monitoring	Active Wildland Fires	public:cwfif_national_activefires	public:activefires_current	wms/wfs	CWFIF Geoserver	Y	20100816-current	CWFIS Data & Service Catalogue	Index of /downloads/reportedfires/
Fire mapping and monitoring	Reported Wildland Fires	public:cwfif_national_reportedfires	public:reportedfires_ytd public:reportedfires_yyyy	wms/wfs	CWFIF Geoserver	Y	20100816-current	CWFIS Data & Service Catalogue	Index of /downloads/reportedfires/
Fire mapping and monitoring	Hotspots for the last 24 hours	public:hotspots_24h	public:hotspots_last24hrs	wms/wfs	CWFIS Legacy Geoserver	Y	19940501-current	CWFIS Data & Service Catalogue	Index of /downloads/hotspots/
Fire mapping and monitoring	Fire M3 Hotspots	public:hotspots	public:hotspots	wms/wfs	CWFIS Legacy Geoserver	Y	19940501-current	CWFIS Data & Service Catalogue	Index of /downloads/hotspots/
Fire mapping and monitoring	Fire Perimeter Estimate	public:m3polygons	public:m3_polygons_current	wms/wfs	CWFIS Legacy Geoserver	Y	20030501-current	CWFIS Data & Service Catalogue	Index of /downloads/hotspots/
Fire mapping and monitoring	National Burned Area Composite	public:nbac	public:nbac	wms/wfs	CWFIS Legacy Geoserver	N	1972-2024	CWFIS Data & Service Catalogue	Index of /downloads/nbac/
Fire mapping and monitoring	NBAC - Most Recent Burn	public:nbac_mrb	public:nbac_mrb	wms/wcs	CWFIS Legacy Geoserver	N	1972-2024	CWFIS Data & Service Catalogue	Index of /downloads/nbac/
Fire mapping and monitoring	NFDB Most recent burn	public:nfdb_mrb	public:nfdb_mrb	wms/wcs	CWFIS Legacy Geoserver	N	1980-2024	CWFIS Data & Service Catalogue	Index of /downloads/nfdb/
Fire mapping and monitoring	National Fire Database fire point data - Large fires only ≥ 200 hectares	public:NFDB_point	public:NFDB_point	wms/wfs	CWFIS Legacy Geoserver	N	1959-2024	CWFIS Data & Service Catalogue	Index of /downloads/nfdb/
Fire mapping and monitoring	NFDB Perimeters	public:nfdb_poly	public:nfdb_poly	wms/wfs	CWFIS Legacy Geoserver	N	1980-2024	CWFIS Data & Service Catalogue	Index of /downloads/nfdb/
Weather	Atmospheric Dispersion Index	public:adi	public:adi_current public:adiyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	
Weather	Transport Wind Vector (direction)	public:dmix	public:dmix_current public:dmixyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	
Weather	Precipitation	public:precip	public:precip_current public:precipyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Weather	Relative humidity	public:rh	public:rh_current public:rhyyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Weather	Pasquill - Gifford - Turner Stability	public:stab	public:stab_current public:stabyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	
Weather	Temperature	public:temp	public:temp_current public:tempyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Weather	Transport Wind Vector (speed)	public:umix	public:umix_current public:umixyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	
Weather	Ventilation Index	public:vi	public:vi_current public:viyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	
Weather	Wind Direction	public:wdir	public:wdir_current public:wdiryyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Weather	Wind Speed	public:ws	public:ws_current public:wsyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Weather	Mixing Height	public:zh	public:zh_current public:zhyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	
Fire weather	Buildup Index	public:bui	public:bui_current public:buiyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire weather	Drought Code	public:dc	public:dc_current public:dcyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire weather	Duff Moisture Code	public:dmc	public:dmc_current public:dmcyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire weather	Daily Severity Rating	public:dsr	public:dsr_current public:dsryyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/

Data Theme	Title	NEW CWFIS 2.0 Layer Name	OLD CWFIS Legacy Layer Name <i>Legacy services no longer supported. Please refer to NEW CWFIS 2.0 Layer Names</i>	Services (wms/wfs/wcs)	Geoserver endpoint (Refer to data resources)	Time Dimension (Y/N) (Capable of date query)	Available date range	Metadata link (CWFIS Data Catalogue)	Downloadable files (if available)
Fire weather	Fire Danger Rating	public:fd_r	public:fd_r_current public:fdryyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire weather	Fine Fuel Moisture Code	public:ffmc	public:ffmc_current public:ffmcyyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire weather	Forecast weather stations (SCRIBE)	public:firewx_scribe	public:firewx_scribe_fcst	wms/wfs	CWFIS Legacy Geoserver	Y	current day (+3day forecast)	CWFIS Data & Service Catalogue	
Fire weather	Reporting weather stations	public:firewx_stns	public:firewx_stns_current	wms/wfs	CWFIS Legacy Geoserver	Y	current day	CWFIS Data & Service Catalogue	
Fire weather	Fire Weather Index	public:fw_i	public:fw_i_current public:fwiyyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire weather	Initial Spread Index	public:isi	public:isi_current public:isiyyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire behaviour	Crown Fraction Burned	public:cf_b	public:cf_b_current public:cfbyyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire behaviour	Foliar Moisture Content	public:fmc	public:fmc_current public:fmcyyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)		Index of /downloads/cffdrs/
Fire behaviour	Fire Type	public:ft	public:ft_current public:ftyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)		Index of /downloads/cffdrs/
Fire behaviour	Head Fire Intensity	public:hfi	public:hfi_current public:hfiyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire behaviour	Rate of Spread	public:ros	public:ros_current public:rosyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire behaviour	Surface Fuel Consumption	public:sfc	public:sfc_current public:sfcyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire behaviour	Total Fuel Consumption	public:tfc	public:tfc_current public:tfcyyyymmdd	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current (+14day forecast)	CWFIS Data & Service Catalogue	Index of /downloads/cffdrs/
Fire impacts	Smoke 24hr forecast (Peak PM2.5)	public:cwif_raqdps_peaksmoke	nil	wms/wcs	CWFIF Geoserver	Y	current day 24 forecast	CWFIS Data & Service Catalogue	
Fire impacts	Smoke observations (Peak PM2.5)	public:cwif_rdaqa_peaksmoke	public:currentSmoke	wms/wcs	CWFIF Geoserver	Y	current day	CWFIS Data & Service Catalogue	
Forest and fuels characterization	CFFDRS Fire Behaviour Prediction (FBP) Fuel Types 2024	public:cffdrs_fbp_fuel_types	public:cffdrs_fbp_fuel_types	wms/wcs	CWFIF Geoserver	N	2024	CWFIS Data & Service Catalogue	Index of /downloads/fuels/current/
Forest and fuels characterization	100m CFFDRS Fire Behaviour Prediction (FBP) Fuel Types 2024	public:cffdrs_fbp_fuel_types_100m	public:cffdrs_fbp_fuel_types_100m	wms/wcs	CWFIS Legacy Geoserver	N	2024	CWFIS Data & Service Catalogue	Index of /downloads/fuels/current/
Forest and fuels characterization	Current green-up	public:greenup	public:gu_current	wms/wcs	CWFIS Legacy Geoserver	Y	20240102-current	CWFIS Data & Service Catalogue	Index of /downloads/greenup/
Forest and fuels characterization	Current percentage of grass curing	public:grasscuring	public:pc_current	wms/wcs	CWFIS Legacy Geoserver	Y	20240101-current	CWFIS Data & Service Catalogue	Index of /downloads/pcuring/