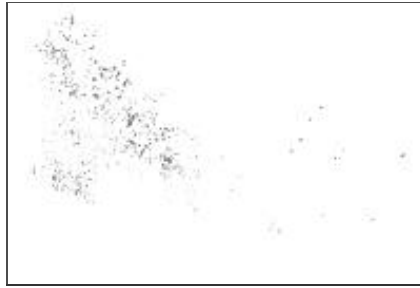


nbac_2022_r12_20230630_0836

Shapefile



Tags

wildland fires, wildfires, forest fires, burned area, fire history, satellite remote sensing, natural disturbance, feux de forêt, incendies de forêt, superficie brûlée, historique des feux, télédétection satellitaire, perturbation naturelle, Canada

Summary

The NBAC is a national, geospatial burned area product compiled annually since 1986 for annual estimates of carbon emissions. A rule-based decision process is used to select the best burned area representation from a number of available data sources. // La CNSB est un outil de cartographie nationale et géospatiale des superficies brûlées compilé chaque année depuis 1986 afin d'en calculer annuellement les émissions de carbone. Un processus décisionnel axé sur les règles permet de sélectionner les meilleures sources de données disponibles pour représenter une situation de feu donnée.

Description

The National Burned Area Composite (NBAC) is a product created as a component of the Fire Monitoring, Accounting and Reporting System (FireMARS), jointly developed by the Canada Centre for Mapping and Earth Observation (<http://www.nrcan.gc.ca/earth-sciences/geomatics/satellite-imagery-air-photos/applications-development/10822>) (formerly the Canada Centre for Remote Sensing) of Natural Resources Canada and the Canadian Forest Service. FireMARS was initially developed with funding support from the Canadian Space Agency Government Related Initiatives Program (<http://www4.asc-csa.gc.ca/auot-eoau/eng/grip/about.aspx>) through a collaboration of those in fire research (<http://www.nrcan.gc.ca/forests/fire/13143>), forest carbon accounting (<http://www.nrcan.gc.ca/forests/climate-change/13087>) and remote sensing.

NBAC is a national product compiled annually since 1986 by the FireMARS system which tracks forest fires for annual estimates of carbon emissions and to help identify National Forest Inventory plots that may have been disturbed by fire. See the FireMARS website at <http://www.nrcan.gc.ca/forests/fire/13159> and carbon accounting - disturbance monitoring website (<http://www.nrcan.gc.ca/forests/climate-change/13109>) for additional information.

Data from two types of providers is used to generate NBAC:

- 1) Natural Resources Canada, and
- 2) Provincial, Territorial, and Parks Canada agencies.

A rule-based decision process is used to select the best data source for each fire event based on factors such as how well the burn polygon follows the shape of the fire as observed on post-burn satellite imagery, the data source itself, and what methods were used to delineate the burn. Not all fires are mapped and in areas where there was not a lot of fire activity to warrant satellite image mapping, agency data is used.

=====

La Composite nationale des superficies brûlées (CNSB) fait partie du système FireMARS (Fire Monitoring, Accounting and Reporting System) mis au point par le Centre canadien de cartographie et d'observation de la Terre (<http://www.rncan.gc.ca/sciences-terre/geomatique/imagerie-satellitaire-photos-aeriennes/developpement-applications/10972>) (anciennement le Centre canadien de télédétection) et le Service canadien des forêts. Le système FireMARS a d'abord été rendu possible grâce à un soutien financier du Programme d'initiatives gouvernementales en observation de la Terre (IGOT) de l'Agence spatiale canadienne (<http://www4.asc-csa.gc.ca/auot-eoau/fra/igot//About%20Grip.aspx>) en collaboration avec les initiatives de recherche sur les feux (<http://www.rncan.gc.ca/forets/feux/13144>), de comptabilisation du carbone forestier (<http://www.rncan.gc.ca/forets/changements-climatiques/13088>) et de télédétection.

CNSB est un produit national compilé annuellement depuis 1986 par le système FireMARS (Fire Monitoring, Accounting and Reporting System), qui fait le suivi des incendies de forêt afin d'estimer les émissions annuelles de carbone et de déterminer les parcelles de l'Inventaire forestier national (IFN) qui peuvent avoir été perturbées par les incendies. Pour obtenir plus de renseignements, consulter la page Web sur le système FireMARS (<http://www.rncan.gc.ca/forets/feux/13160>) et la comptabilisation du carbone forestier - surveillance des perturbations (<http://www.rncan.gc.ca/forets/changements-climatiques/13110>).

Pour générer la CNSB, on utilise des données provenant de deux types de sources :

- 1) Ressources naturelles Canada;
- 2) les organismes provinciaux et territoriaux et Parcs Canada.

Un processus de décision basé sur des règles est utilisé dans la sélection des meilleures sources de données pour chaque incendie, en fonction de divers facteurs : dans quelle mesure le polygone des surfaces brûlées correspond-elle à la forme de l'incendie observée sur l'imagerie satellitaire post-incendie, la source de données elle-même, ainsi que les méthodes qui ont été utilisées pour la délimitation de l'aire brûlée. Tous les incendies ne sont pas cartographiés; dans les régions où il n'y a pas eu beaucoup d'incendies pour justifier le recours à la cartographie par imagerie satellitaire, les données fournies par les organismes ont été utilisées.

Credits

There are no credits for this item.

Use limitations

There are no access and use limitations for this item.

Extent

West	-147.169051	East	-35.115017
North	73.372089	South	37.114244

Scale Range

Maximum (zoomed in)	1:5,000
Minimum (zoomed out)	1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE boundaries, environment, biota

* CONTENT TYPE Downloadable Data

PLACE KEYWORDS Canada

THEME KEYWORDS wildland fires

THEME KEYWORDS wildfires

THEME KEYWORDS forest fires

THEME KEYWORDS burned area

THEME KEYWORDS fire history

THEME KEYWORDS satellite remote sensing

THEME KEYWORDS natural disturbance

THEME KEYWORDS feux de forêt

THESAURUS'S LANGUAGE French (CANADA)

THEME KEYWORDS incendies de forêt

THESAURUS'S LANGUAGE French (CANADA)

THEME KEYWORDS superficie brûlée

THESAURUS'S LANGUAGE French (CANADA)

THEME KEYWORDS historique des feux

THESAURUS'S LANGUAGE French (CANADA)

THEME KEYWORDS télédétection satellitaire

THESAURUS'S LANGUAGE French (CANADA)

THEME KEYWORDS perturbation naturelle

THESAURUS'S LANGUAGE French (CANADA)

Hide Topics and Keywords ▲

Citation ►

* TITLE nbac_2022_r12_20230630_0836

CREATION DATE 2014-09-09 14:25:00

PRESENTATION FORMATS * digital map

FGDC GEOSPATIAL PRESENTATION FORMAT map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Rob Skakun

ORGANIZATION'S NAME Government of Canada; Natural Resources Canada; Canadian Forest Service; Northern Forestry Centre; Canadian Wildland Fire Information System (CWFIS) Group

CONTACT'S ROLE point of contact

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES * English (CANADA)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS on-going
 SPATIAL REPRESENTATION TYPE * vector

GRAPHIC OVERVIEW

FILE NAME <http://cfs.nrcan.gc.ca/common/nbac/canada-nbac-800-en.png>
 FILE DESCRIPTION Burned areas mapped annually from NBAC
 FILE TYPE PNG

GRAPHIC OVERVIEW

FILE NAME <http://cfs.nrcan.gc.ca/common/nbac/canada-nbac-800-fr.png>
 FILE DESCRIPTION Données de la CNSB montrant les régions affectées par les feux
 FILE TYPE png

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.0.6491

ARCGIS ITEM PROPERTIES

* NAME nbac_2022_r12_20230630_0836
 * SIZE 26.862
 * LOCATION file:///S-EDM-Berg\WorkGroups\EDM\MAFiMS\datamarts\common\burnarea\nbac\NIR_2024\Delivery\nbac_2022_r12_20230630_0836.shp
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

TEMPORAL EXTENT

BEGINNING DATE 2013-01-01 00:00:00
 ENDING DATE 2013-12-31 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -147.169051
 * EAST LONGITUDE -35.115017
 * NORTH LATITUDE 73.372089
 * SOUTH LATITUDE 37.114244
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -2143427.099169
 * EAST LONGITUDE 2746052.504998
 * SOUTH LATITUDE -694754.469088
 * NORTH LATITUDE 2654932.997193
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

- © Department of Natural Resources Canada. All rights reserved.
- © Le ministère des Ressources naturelles Canada. Tous droits réservés

ACCESS CONSTRAINTS copyright

USE CONSTRAINTS copyright

LEGAL CONSTRAINTS

LIMITATIONS OF USE

Open Government Licence - Canada (<http://data.gc.ca/eng/open-government-licence-canada>)

Licence du gouvernement ouvert - Canada (<http://donnees.gc.ca/fra/licence-du-gouvernement-ouvert-canada>)

ACCESS CONSTRAINTS license

USE CONSTRAINTS license

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE unknown
- * PROJECTION NAD83_/_NRCan_LCC_Canada
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

X ORIGIN -34655800

Y ORIGIN -30001600

XY SCALE 129952262.74881823

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

WELL-KNOWN TEXT PROJCS["NAD83_/_NRCan_LCC_Canada",GEOGCS["unknown",DATUM["North_American_Datum_1983",SPHEROID["GRS 1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic_2SP"],PARAMETER["false_easting",0.0],PARAMETER["false_northing",0.0],PARAMETER["central_meridian",-95.0],PARAMETER["standard_parallel_1",49.0],PARAMETER["standard_parallel_2",77.0],PARAMETER["latitude_of_origin",49.0],UNIT["Metre",1.0],AUTHORITY["EPSG",42304]]

REFERENCE SYSTEM IDENTIFIER

DIMENSION horizontal

VALUE EPSG::3978

* CODESPACE EPSG

VERSION 8.4

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME nbac_2022_r12_20230630_0836

* OBJECT TYPE composite

* OBJECT COUNT 1339

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME nbac_2022_r12_20230630_0836

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 1339

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

August 10, 2021

version 20210810

- updated Parks Canada data for years 1986 to 2017 using CNFDB v20201005

- applied an adjusted area burned to Agency conventional perimeters for all years in ADH_HA (where ADJ_FLAG = 2)

September 21 2020

- updated MAFiMS fire polygons for nfireid's 1448, 1115, 1136 for year 1989 (version 20200921)

- corrected YT fire cause for years 1986 to 2003 (version 20200921)

July 03, 2020

2018 - AB agency updates ingested (version 20200703)

2015 - Replaced MAFiMS with updated PC agency data in WBNP
(nfireid404,337,262,344,328,322,327,287,302,265,286,240,249,256,250,245,271,273),
(version 20200703)

2004 - Corrected SDATE and EDATE hotspot dates (version 20200703)

November 29, 2019

1990, 1991, 1995, 1996, 1997, 2000, 2006, 2007 (version 20191129)

- C2C fire polygon nfireid 1 in year 1990 replaced with agency polygon
- C2C fire polygon nfireid 14 in year 1991 replaced with agency polygon
- C2C fire polygon nfireid 1108 in year 1995 replaced with agency polygon
- C2C fire polygon nfireid 182 in year 1996 replaced with agency polygon
- C2C fire polygon nfireid 462 in year 1997 replaced with agency polygon
- Agency fire polygon nfireid 1011 in year 2000 added
- C2C fire polygon nfireid 671 in year 2006 replaced with agency polygon
- C2C fire polygon nfireid 386 in year 2007 replaced with agency polygon

September 19, 2019

1986 - 2018 NBAC (version 20190919)

- C2C (BASRC 4) fire polygons added to years 1986 to 2013
- Ruleset 9 (r9) includes best-available polygons from MAFiMS, C2C, Agency, and HANDS
- Attribute modifications include: YEAR (new); BASRC (includes value 4); SDATE EDATE AFSDATE AFEDATE and CAPDATE (change datetime to date); POLY_HA (was TOTAREA); ADJ_HA (was UTOTAREA); ADJ_FLAG (was AREAMODT); AGENCY (new); VERSION (was NBACVERS); COMMENTS (was COMM); SALVAGE (removed); PB_HARV (removed); AREAMODA (removed); AREAMODB (removed); AREAMODV (removed); CDATE (removed, contained in version)
- NBAC burn polygons subdivided by provincial, territorial, and national parks boundaries
- New MAFiMS polygons for years 1986 to 2018

June 26, 2019

2018 NBAC (version 20190626_1020)

August 29, 2018

2003 NBAC (version 20180829_1112)

- Agency fire polygon nfireid 5 in year 2003 (location NWT) removed. Mapped with MAFiMS nfireid 3

1993 NBAC (version 20180829_1113)

- Agency fire polygon nfireid 255 in year 1993 (location Onatrio) changed to nfireid 248

1992 NBAC (version 20180829_1113)

- Agency fire polygon nfireid 204 in year 1992 (location Ontario) changed to nfireid 215

1991 NBAC (version 20180829_1113)

- Agency fire polygon nfireid 373 in year 1991 (location Ontario) changed to nfireid 383
- MAFiMS fire polygon nfireid 382 in year 1991 removed. Fire burned in 1990.

1990 NBAC (version 20180829_1114)

- Agency fire polygon nfireid 321 in year 1990 (location Ontario) changed to nfireid 342

1989 NBAC (version 20180829_1114)

- Agency fire polygon nfireid 1058 in year 1989 (location Sask) removed. Mapped with MAFiMS nfireid 917

1987 NBAC (version 20180829_1115)

- Agency fire polygon nfireid 378 in year 1987 (location Ontario) changed to nfireid 397

July 24, 2018

2017 NBAC (version 20180725_1603)

2016 NBAC (version 20180725_1602)

- Repair Geometry tool applied (reduced burned area by 33 ha from version 20180420_1321)

2015 NBAC (version 20180724_0843)

- Removed HANDS fire polygon nfireid 75 (No fire occurred at this location)

2012 NBAC (version 20180724_0849)

- Added Parks Canada fire polygon nfireid 106
- Replaced HANDS fire polygon nfireid 95 and 100 with Parks Canada fire polygons

2009 NBAC (version 20180724_0854)

- Added Parks Canada fire polygon nfireid 36 and 2365
- Replaced HANDS fire polygon nfireid 45 and 46 with Parks Canada fire polygons

2006 NBAC (version 20180724_0857)

- Added NWT fire polygon nfireid 64

2005 NBAC (version 20180724_0858)

- Added NWT fire polygon nfireid 1094

2004 NBAC (version 20180724_0859)

- Added NWT fire polygon nfireid 190
- Replaced HANDS fire polygon nfireid 150, 191, 194, and 171 with NWT fire polygons

1986-2003 NBAC (preliminary version 20180724)

- NFDB Provincial and Territorial Government and Parks Canada agency data
- HANDS source for 1995-2003 only
- MAFiMS source for NWT only, all years

April 24, 2018

2016 NBAC (version 20180420_1321)

- NFIREID 255 Agency aerial photography delineation replaces MAFiMS

January 8, 2018

2012 NBAC updates (new version is 20180103_0935)

- Updates to MAFiMS polygon NFIREID's 252, 1067, 256, 260, 253, 258, 304, 317, 332, 345, 340, 367

September 18, 2017

2015 NBAC (version 20170707_1448):

- 1 new fire event from HANDS mapped in Newfoundland and Labrador
- 16 fire events from MAFiMS remapped in Saskatchewan

July 12, 2017

2016 NBAC (version 20170707_1144):

- NFIREID 255 was created by integrating aerial photo delineated and MAFiMS polygons over the burned area. This fire event will be updated in NBAC upon receiving a revised burned area polygon from the Gov't of Alberta.

December 22, 2016

2004 to 2015 NBAC updates (version 10161128):

- Replaced Northwest Territories agency fires with Landsat data sources and the MAFiMS mapping method for years 2004 to 2013.
- Ingested all agency fire polygons less than 10 ha for years 2004 to current (see September 9, 2016 below).
- Replaced Quebec and Parks Canada agency data with updated fire polygons and attribution for years 2004 to 2014.
- Corrections to year of burn in the agency fire attribution where found (4 fire events in 2005 and 2010 from British Columbia, Alberta, Saskatchewan, Quebec).
- Removed duplicate polygons from agency data located over the same fire event where found (6 fire events in 2006, 2010, 2013, 2014 from Northwest Territories, British Columbia, Saskatchewan, Manitoba).
- Clipped agency polygon boundaries to correct year of burn (14 fire events in 2006, 2008, 2010 to 2015 from Yukon, British Columbia, Alberta, Saskatchewan, Manitoba).

September 9, 2016

2015 NBAC (version 20160914_1144):

- removed the 10 ha minimum size filter for agency burns

December 30, 2015

2014 NBAC updated (version 20151230_1002):

- 6 HANDS polygons < 250 ha were added that previously had been missed

December 1, 2015

2004 to 2014 NBAC updated (version 20151126):

- New Quebec data is added. Upon request, Quebec provided updated shapefiles with more accurate mapping method and data source. Polygons did not change.
- Changes to NWT crosswalk to NBAC attributes. Image delineation method was changed from 4 (other) to 2 (sketchmap).
- NFIREID 731 for 2013 was replaced with MAFIMS. This fire was previously mapped by Agency (Quebec) in NBAC.

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

VERSION 1000

* NAME Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 26.862

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT nbac_2022_r12_20230630_0836 ►

* TYPE Feature Class

* ROW COUNT 1339

DEFINITION

A homogeneous collection of common features having the same spatial representation, such as points, lines, or polygons, and a common set of attribute columns.

DEFINITION SOURCE

Esri

FIELD FID ►

* ALIAS FID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Feature IDentifier (generated by ESRI). Internal feature number.

* DESCRIPTION SOURCE

Esri

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 2147483647

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

[Hide Field FID ▲](#)

FIELD Shape ►

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD YEAR ►

- * ALIAS YEAR
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 11
- * SCALE 0
- FIELD DESCRIPTION
Year the fire burned.
- DESCRIPTION SOURCE
None
- RANGE OF VALUES
MINIMUM VALUE 1800
MAXIMUM VALUE 2100

[Hide Field YEAR ▲](#)

FIELD NFIREID ►

- * ALIAS NFIREID
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 11
- * SCALE 0
- FIELD DESCRIPTION
NFIREID is a uniquely assigned ID to each fire event over a spatial region and for a specific year. It is the common ID used to link a fire event crossing a provincial, territorial, or national park boundary.
- DESCRIPTION SOURCE
None

RANGE OF VALUES

MINIMUM VALUE 0
 MAXIMUM VALUE 2147483647

DESCRIPTION OF VALUES

Sequential whole numbers that are automatically generated.

Hide Field NFIREID ▲

FIELD BASRC ►

* ALIAS BASRC
 * DATA TYPE Double
 * WIDTH 11
 * PRECISION 11
 * SCALE 0

FIELD DESCRIPTION

BASRC identifies the data provider.

DESCRIPTION SOURCE

None

LIST OF VALUES

VALUE 0
 DESCRIPTION Data source not defined
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 1
 DESCRIPTION NRCan - CFS/CCRS fine spatial resolution derived products from MAFiMS software.
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 2
 DESCRIPTION NRCan - CCRS coarse spatial resolution derived products from HANDS algorithm.
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 3
 DESCRIPTION Fire agency (provincial, territorial, Parks Canada)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 4
 DESCRIPTION NRCan - CFS fine spatial resolution from Composite2Change (C2C)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

Hide Field BASRC ▲

FIELD FIREMAPS ►

* ALIAS FIREMAPS
 * DATA TYPE Double
 * WIDTH 11
 * PRECISION 11
 * SCALE 0

FIELD DESCRIPTION

FIREMAPS describes the data source or platform used to identify the burn.

DESCRIPTION SOURCE

None

LIST OF VALUES

VALUE 0

DESCRIPTION Undefined: Source of detection not defined

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 1

DESCRIPTION Other: Sources not clearly defined (eg. survey)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 2

DESCRIPTION Field survey: Burn delineation from field survey

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 3

DESCRIPTION Airborne platform: Airborne platform from helicopter or fixed-wing aircraft

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 4

DESCRIPTION Aerial photograph: Digital or analogue aerial photographs

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 5

DESCRIPTION Satellite hotspots: Fire mapped from satellite hotspots

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 6

DESCRIPTION Satellite Imagery - other: Fire mapped from SPOT5, Quickbird, Rapideye, and airborne thermal imagery, or any other imagery not explicitly coded to another value

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 7

DESCRIPTION Satellite Imagery - SPOT VGT: Fire mapped from SPOT VEGETATION (VGT) imagery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 8

DESCRIPTION Satellite Imagery - MODIS: Fire mapped from Moderate Resolution Imaging Spectroradiometer (MODIS) imagery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 9

DESCRIPTION Satellite Imagery - Landsat 30m: Fire mapped from Landsat 5, 7, or 8 imagery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 10

DESCRIPTION Satellite Imagery - Sentinel-2: Fire mapped using Sentinel-2 imagery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 11

DESCRIPTION Satellite Imagery - Proba-V: Fire mapped using Proba-V imagery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

[Hide Field FIREMAPS ▲](#)

FIELD FIREMAPM ►

* ALIAS FIREMAPM
 * DATA TYPE Double
 * WIDTH 11
 * PRECISION 11
 * SCALE 0

FIELD DESCRIPTION

FIREMAPM describes the method used to delineate the burn polygon.

DESCRIPTION SOURCE

None

LIST OF VALUES

VALUE 0

DESCRIPTION Undefined: Method of burned area mapping not defined

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 1

DESCRIPTION Other: Methods not clearly defined (eg. IMS)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 2

DESCRIPTION Sketch mapping or manual (human) interpretation: May be manually delineated onto a map and subsequently digitized or digitized directly using a digital tablet or computer monitor

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 3

DESCRIPTION GPS: Digitized from a Global Positioning System (GPS) unit

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 4

DESCRIPTION Processed - remote sensing methods: Digitized using automated remote sensing methods (eg. dNBR threshold)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 5

DESCRIPTION Processed - buffered points: Digitized by buffering a fire location

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 6

DESCRIPTION Processed - RS HANDS: Digitized using remote sensing Hotspot and NDVI Differencing Synergy (HANDS)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 7

DESCRIPTION Processed - RS MAFiMS: Digitized using remote sensing Multi Acquisition Fire Mapping System (MAFiMS)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 8

DESCRIPTION Processed - RS C2C: Digitized using remote sensing Composite2Change (C2C)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

Hide Field FIREMAPM ▲

FIELD FIRECAUS ►

- * ALIAS FIRECAUS
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 11
- * SCALE 0

FIELD DESCRIPTION

FIRECAUS describes the cause of the fire recorded by the agency.

DESCRIPTION SOURCE

None

LIST OF VALUES

VALUE 0

DESCRIPTION Undefined: Cause of fire unavailable

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 1

DESCRIPTION Other: Not covered by another category but resulting from known causes (e.g. "miscellaneous", "incendiary").

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 2

DESCRIPTION Lightning: Lightning

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 3

DESCRIPTION Industry: e.g. forestry, oil and gas, rail, agriculture, prescribed burn

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 4

DESCRIPTION Human: Nonindustrial human activity, eg. recreational (campfire, ATV, etc), arson

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

Hide Field FIRECAUS ▲

FIELD BURNCLAS ►

- * ALIAS BURNCLAS
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 11
- * SCALE 0

FIELD DESCRIPTION

BURNCLAS provided by agency fire data (to date, only provided by Alberta). Where partial burn is not provided, it is assumed to be full burn.

DESCRIPTION SOURCE

None

LIST OF VALUES

VALUE 1

DESCRIPTION Partially burned area: 1% - 25%

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 2

DESCRIPTION Partially burned area: 26% - 50%

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 3

DESCRIPTION Partially burned area: 51% - 75%

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE 4

DESCRIPTION Fully burned area: 76% - 100% burned

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

Hide Field BURNCLAS ▲

FIELD SDATE ►

* ALIAS SDATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

SDATE is the date of the first detected hotspots within the spatial extent of the fire event. Null if no hotspots were detected.

DESCRIPTION SOURCE

None

BEGINNING DATE OF VALUES 1800-01-01

ENDING DATE OF VALUES 2100-01-01

Hide Field SDATE ▲

FIELD EDATE ►

* ALIAS EDATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

EDATE is the last detected hotspots within the spatial extent of the fire event. Null if no hotspots were detected.

DESCRIPTION SOURCE

None

BEGINNING DATE OF VALUES 1800-01-01

ENDING DATE OF VALUES 2100-01-01

Hide Field EDATE ▲

FIELD AFSDATE ►

* ALIAS AFSDATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

AFSDATE is the fire start date reported by the agency. Null if agency date was not

provided.

DESCRIPTION SOURCE

None

BEGINNING DATE OF VALUES 1800-01-01

ENDING DATE OF VALUES 2100-01-01

[Hide Field AFSDATE ▲](#)

FIELD AFEDATE ►

* ALIAS AFEDATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

AFEDATE is the fire end date reported by the agency. Null if agency date was not provided.

DESCRIPTION SOURCE

None

BEGINNING DATE OF VALUES 1800-01-01

ENDING DATE OF VALUES 2100-01-01

[Hide Field AFEDATE ▲](#)

FIELD CAPDATE ►

* ALIAS CAPDATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

CAPDATE is the acquisition date of the source data. Examples include date of GPS acquisition, air photo acquisition, and Landsat satellite image. This field links to the National Forest Inventory INFO_DATE. Null if not provided.

DESCRIPTION SOURCE

None

BEGINNING DATE OF VALUES 1800-01-01

ENDING DATE OF VALUES 2100-01-01

[Hide Field CAPDATE ▲](#)

FIELD POLY_HA ►

* ALIAS POLY_HA

* DATA TYPE Double

* WIDTH 32

* PRECISION 31

* SCALE 10

FIELD DESCRIPTION

POLY_HA is the total area of each fire polygon calculated in hectares using the Canada Albers Equal Area Conic projection.

DESCRIPTION SOURCE

None

DESCRIPTION OF VALUES

Positive real number

Hide Field POLY_HA ▲

FIELD ADJ_HA ►

- * ALIAS ADJ_HA
- * DATA TYPE Double
- * WIDTH 32
- * PRECISION 31
- * SCALE 10

FIELD DESCRIPTION

ADJ_HA is an adjusted area burn of each fire polygon calculated in hectares. Area burned prediction models for Agency data (BASRC = 3) are described in Skakun et al., 2021 (<https://doi.org/10.1088/1748-9326/abfb2c>). Coarse resolution burned areas (BASRC=2) use a non-parametric linear Theil Sen regression function.

DESCRIPTION SOURCE

None

DESCRIPTION OF VALUES

Positive real number

Hide Field ADJ_HA ▲

FIELD ADJ_FLAG ►

- * ALIAS ADJ_FLAG
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 11
- * SCALE 0

Hide Field ADJ_FLAG ▲

FIELD AGENCY ►

- * ALIAS AGENCY
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

AGENCY is the jurisdiction (Province, Territory, or National Park) where the fire polygon is mapped.

DESCRIPTION SOURCE

None

LIST OF VALUES

VALUE AB
DESCRIPTION Alberta
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE BC
DESCRIPTION British Columbia
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE MB
DESCRIPTION Manitoba
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE NB
DESCRIPTION New Brunswick
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE NL
DESCRIPTION Newfoundland & Labrador
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE NS
DESCRIPTION Nova Scotia
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE NT
DESCRIPTION Northwest Territories
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE ON
DESCRIPTION Ontario
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE QC
DESCRIPTION Quebec
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE SK
DESCRIPTION Saskatchewan
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE YT
DESCRIPTION Yukon Territory
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE NU
DESCRIPTION Nunavut
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-AL
DESCRIPTION Aulavik (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-AY
DESCRIPTION Auyuittuq (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-BA
DESCRIPTION Banff (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-BP

DESCRIPTION Bruce Peninsula (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-CB

DESCRIPTION Cape Breton (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-EI

DESCRIPTION Elk Island (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-FO

DESCRIPTION Forillon (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-FU

DESCRIPTION Fundy (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-GB

DESCRIPTION Georgian Bay Is. (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-GF

DESCRIPTION Gulf Islands (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-GH

DESCRIPTION Gwaii Haanas (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-GL

DESCRIPTION Glacier (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-GM

DESCRIPTION Gros Morne (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-GR

DESCRIPTION Grasslands (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-IV

DESCRIPTION Ivvavik (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-JA

DESCRIPTION Jasper (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-KE

DESCRIPTION Kejimikujik (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-KG
DESCRIPTION Kouchibouguac (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-KL
DESCRIPTION Kluane (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-KO
DESCRIPTION Kootenay (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-LM
DESCRIPTION La Mauricie (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-MI
DESCRIPTION Mingan (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-NA
DESCRIPTION Nahanni (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-PA
DESCRIPTION Prince Albert (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-PE
DESCRIPTION Prince Edward Island (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-PP
DESCRIPTION Point Pelee (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-PR
DESCRIPTION Pacific Rim (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-PU
DESCRIPTION Pukaskwa (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-QU
DESCRIPTION Quttinirpaaq (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-RE
DESCRIPTION Mount Revelstoke (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-RM
DESCRIPTION Riding Mountain (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-SI
DESCRIPTION Sirmilik (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-TI

DESCRIPTION Thousand Islands (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-TM

DESCRIPTION Torngat Mountains (National Park Reserve)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-TN

DESCRIPTION Terra Nova (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-TU

DESCRIPTION Tuktot Nogait (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-UK

DESCRIPTION Ukkusiksalik (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-VU

DESCRIPTION Vuntut (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-WB

DESCRIPTION Wood Buffalo (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-WL

DESCRIPTION Waterton Lakes (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-WP

DESCRIPTION Wapusk (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

VALUE PC-YO

DESCRIPTION Yoho (National Park)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE None

Hide Field AGENCY ▲

FIELD BT_GID ►

* ALIAS BT_GID

* DATA TYPE Double

* WIDTH 11

* PRECISION 11

* SCALE 0

FIELD DESCRIPTION

BT_GID is a Business Table Identifier, internal use

DESCRIPTION SOURCE

None

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

[Hide Field BT_GID ▲](#)

FIELD VERSION ►

- * ALIAS VERSION
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

VERSION uniquely identifies the version of the dataset.

DESCRIPTION SOURCE

None

DESCRIPTION OF VALUES

Formatted as NNNN_rX_YYYYMMDD where NNNN is the year of the processed fire season; rX is the NBAC rule set used to generate the shapefile; YYYYMMDD is the file creation datestamp (year, month, day)

[Hide Field VERSION ▲](#)

FIELD COMMENT ►

- * ALIAS COMMENT
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field COMMENT ▲](#)

[Hide Details for object nbac_2022_r12_20230630_0836 ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (CANADA)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER CF9E6B31-90AA-49B0-B6FA-11F68B152D81
FUNCTION OF THE RESOURCE information

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2023-06-30

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 METADATA STYLE North American Profile of ISO19115 2003
 STANDARD OR PROFILE USED TO EDIT METADATA NAP

CREATED IN ARCGIS FOR THE ITEM 2023-06-30 08:44:40
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-06-30 09:03:80

AUTOMATIC UPDATES
 HAVE BEEN PERFORMED Yes
 LAST UPDATE 2023-06-30 08:59:49

ITEM LOCATION HISTORY
 ITEM COPIED OR MOVED 2023-06-30 08:44:40
 FROM W:\EDM\MAFiMS\datamarts\common\burnarea\nbac\NIR_2024
 \nbac_2022_r12_20230630_0836
 TO \\S-EDM-Berg\WorkGroups\EDM\MAFiMS\datamarts\common\burnarea\nbac\NIR_2024
 \Delivery\nbac_2022_r12_20230630_0836

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT
 INDIVIDUAL'S NAME Rob Skakun
 ORGANIZATION'S NAME Government of Canada; Natural Resources Canada; Canadian Forest Service; Northern Forestry Centre; Canadian Wildland Fire Information System (CWFIS) Group
 CONTACT'S ROLE editor

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL
 THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ►

Entities and Attributes ►

DETAILED DESCRIPTION
 ENTITY TYPE
 ENTITY TYPE LABEL nbac_2022_r12_20230630_0836
 ENTITY TYPE DEFINITION
 A homogeneous collection of common features having the same spatial representation, such as points, lines, or polygons, and a common set of attribute columns.
 ENTITY TYPE DEFINITION SOURCE Esri

ATTRIBUTE
 ATTRIBUTE LABEL FID
 ATTRIBUTE DEFINITION
 Feature IDentifier (generated by ESRI). Internal feature number.
 ATTRIBUTE DEFINITION SOURCE Esri
 ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN
 Sequential unique whole numbers that are automatically generated.
 ATTRIBUTE DOMAIN VALUES
 RANGE DOMAIN
 RANGE DOMAIN MINIMUM 0
 RANGE DOMAIN MAXIMUM 2147483647

ATTRIBUTE
 ATTRIBUTE LABEL Shape
 ATTRIBUTE DEFINITION
 Feature geometry.
 ATTRIBUTE DEFINITION SOURCE Esri
 ATTRIBUTE DOMAIN VALUES
 UNREPRESENTABLE DOMAIN
 Coordinates defining the features.

ATTRIBUTE
 ATTRIBUTE LABEL YEAR
 ATTRIBUTE DEFINITION
 Year the fire burned.
 ATTRIBUTE DEFINITION SOURCE None
 ATTRIBUTE DOMAIN VALUES
 RANGE DOMAIN
 RANGE DOMAIN MINIMUM 1800
 RANGE DOMAIN MAXIMUM 2100

ATTRIBUTE
 ATTRIBUTE LABEL NFIREID
 ATTRIBUTE DEFINITION
 NFIREID is a uniquely assigned ID to each fire event over a spatial region and for a specific year. It is the common ID used to link a fire event crossing a provincial, territorial, or national park boundary.
 ATTRIBUTE DEFINITION SOURCE None
 ATTRIBUTE DOMAIN VALUES
 UNREPRESENTABLE DOMAIN
 Sequential whole numbers that are automatically generated.
 ATTRIBUTE DOMAIN VALUES
 RANGE DOMAIN
 RANGE DOMAIN MINIMUM 0
 RANGE DOMAIN MAXIMUM 2147483647

ATTRIBUTE
 ATTRIBUTE LABEL BASRC
 ATTRIBUTE DEFINITION
 BASRC identifies the data provider.
 ATTRIBUTE DEFINITION SOURCE None
 ATTRIBUTE DOMAIN VALUES
 ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE 0
 ENUMERATED DOMAIN VALUE DEFINITION
 Data source not defined
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None
 ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE 1
 ENUMERATED DOMAIN VALUE DEFINITION
 NRCan - CFS/CCRS fine spatial resolution derived products from MAFIMS software.
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 2

ENUMERATED DOMAIN VALUE DEFINITION

NRCan - CCRS coarse spatial resolution derived products from HANDS algorithm.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 3

ENUMERATED DOMAIN VALUE DEFINITION

Fire agency (provincial, territorial, Parks Canada)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 4

ENUMERATED DOMAIN VALUE DEFINITION

NRCan - CFS fine spatial resolution from Composite2Change (C2C)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ATTRIBUTE

ATTRIBUTE LABEL FIREMAPS

ATTRIBUTE DEFINITION

FIREMAPS describes the data source or platform used to identify the burn.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 0

ENUMERATED DOMAIN VALUE DEFINITION

Undefined: Source of detection not defined

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 1

ENUMERATED DOMAIN VALUE DEFINITION

Other: Sources not clearly defined (eg. survey)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 2

ENUMERATED DOMAIN VALUE DEFINITION

Field survey: Burn delineation from field survey

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 3

ENUMERATED DOMAIN VALUE DEFINITION

Airborne platform: Airborne platform from helicopter or fixed-wing aircraft

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 4

ENUMERATED DOMAIN VALUE DEFINITION

Aerial photograph: Digital or analogue aerial photographs

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 5

ENUMERATED DOMAIN VALUE DEFINITION
 Satellite hotspots: Fire mapped from satellite hotspots
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 6
 ENUMERATED DOMAIN VALUE DEFINITION
 Satellite Imagery - other: Fire mapped from SPOT5, Quickbird, Rapideye, and airborne thermal imagery, or any other imagery not explicitly coded to another value
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 7
 ENUMERATED DOMAIN VALUE DEFINITION
 Satellite Imagery - SPOT VGT: Fire mapped from SPOT VEGETATION (VGT) imagery
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 8
 ENUMERATED DOMAIN VALUE DEFINITION
 Satellite Imagery - MODIS: Fire mapped from Moderate Resolution Imaging Spectroradiometer (MODIS) imagery
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 9
 ENUMERATED DOMAIN VALUE DEFINITION
 Satellite Imagery - Landsat 30m: Fire mapped from Landsat 5, 7, or 8 imagery
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 10
 ENUMERATED DOMAIN VALUE DEFINITION
 Satellite Imagery - Sentinel-2: Fire mapped using Sentinel-2 imagery
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 11
 ENUMERATED DOMAIN VALUE DEFINITION
 Satellite Imagery - Proba-V: Fire mapped using Proba-V imagery
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ATTRIBUTE

ATTRIBUTE LABEL FIREMAPM

ATTRIBUTE DEFINITION

FIREMAPM describes the method used to delineate the burn polygon.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 0
 ENUMERATED DOMAIN VALUE DEFINITION
 Undefined: Method of burned area mapping not defined
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 1
 ENUMERATED DOMAIN VALUE DEFINITION

Other: Methods not clearly defined (eg. IMS)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 2

ENUMERATED DOMAIN VALUE DEFINITION

Sketch mapping or manual (human) interpretation: May be manually delineated onto a map and subsequently digitized or digitized directly using a digital tablet or computer monitor

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 3

ENUMERATED DOMAIN VALUE DEFINITION

GPS: Digitized from a Global Positioning System (GPS) unit

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 4

ENUMERATED DOMAIN VALUE DEFINITION

Processed - remote sensing methods: Digitized using automated remote sensing methods (eg. dNBR threshold)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 5

ENUMERATED DOMAIN VALUE DEFINITION

Processed - buffered points: Digitized by buffering a fire location

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 6

ENUMERATED DOMAIN VALUE DEFINITION

Processed - RS HANDS: Digitized using remote sensing Hotspot and NDVI Differencing Synergy (HANDS)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 7

ENUMERATED DOMAIN VALUE DEFINITION

Processed - RS MAFiMS: Digitized using remote sensing Multi Acquisition Fire Mapping System (MAFiMS)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 8

ENUMERATED DOMAIN VALUE DEFINITION

Processed - RS C2C: Digitized using remote sensing Composite2Change (C2C)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ATTRIBUTE

ATTRIBUTE LABEL FIRECAUS

ATTRIBUTE DEFINITION

FIRECAUS describes the cause of the fire recorded by the agency.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 0
 ENUMERATED DOMAIN VALUE DEFINITION
 Undefined: Cause of fire unavailable
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 1
 ENUMERATED DOMAIN VALUE DEFINITION
 Other: Not covered by another category but resulting from known causes (e.g. "miscellaneous", "incendiary").
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 2
 ENUMERATED DOMAIN VALUE DEFINITION
 Lightning: Lightning
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 3
 ENUMERATED DOMAIN VALUE DEFINITION
 Industry: e.g. forestry, oil and gas, rail, agriculture, prescribed burn
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 4
 ENUMERATED DOMAIN VALUE DEFINITION
 Human: Nonindustrial human activity, eg. recreational (campfire, ATV, etc), arson
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ATTRIBUTE

ATTRIBUTE LABEL BURNCLAS

ATTRIBUTE DEFINITION

BURNCLAS provided by agency fire data (to date, only provided by Alberta). Where partial burn is not provided, it is assumed to be full burn.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 1
 ENUMERATED DOMAIN VALUE DEFINITION
 Partially burned area: 1% - 25%
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 2
 ENUMERATED DOMAIN VALUE DEFINITION
 Partially burned area: 26% - 50%
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 3
 ENUMERATED DOMAIN VALUE DEFINITION
 Partially burned area: 51% - 75%
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 4

ENUMERATED DOMAIN VALUE DEFINITION
Fully burned area: 76% - 100% burned
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ATTRIBUTE

ATTRIBUTE LABEL SDATE

ATTRIBUTE DEFINITION

SDATE is the date of the first detected hotspots within the spatial extent of the fire event. Null if no hotspots were detected.

ATTRIBUTE DEFINITION SOURCE None

BEGINNING DATE OF ATTRIBUTE VALUES 1800-01-01

ENDING DATE OF ATTRIBUTE VALUES 2100-01-01

ATTRIBUTE

ATTRIBUTE LABEL EDATE

ATTRIBUTE DEFINITION

EDATE is the last detected hotspots within the spatial extent of the fire event. Null if no hotspots were detected.

ATTRIBUTE DEFINITION SOURCE None

BEGINNING DATE OF ATTRIBUTE VALUES 1800-01-01

ENDING DATE OF ATTRIBUTE VALUES 2100-01-01

ATTRIBUTE

ATTRIBUTE LABEL AFSDATE

ATTRIBUTE DEFINITION

AFSDATE is the fire start date reported by the agency. Null if agency date was not provided.

ATTRIBUTE DEFINITION SOURCE None

BEGINNING DATE OF ATTRIBUTE VALUES 1800-01-01

ENDING DATE OF ATTRIBUTE VALUES 2100-01-01

ATTRIBUTE

ATTRIBUTE LABEL AFEDATE

ATTRIBUTE DEFINITION

AFEDATE is the fire end date reported by the agency. Null if agency date was not provided.

ATTRIBUTE DEFINITION SOURCE None

BEGINNING DATE OF ATTRIBUTE VALUES 1800-01-01

ENDING DATE OF ATTRIBUTE VALUES 2100-01-01

ATTRIBUTE

ATTRIBUTE LABEL CAPDATE

ATTRIBUTE DEFINITION

CAPDATE is the acquisition date of the source data. Examples include date of GPS acquisition, air photo acquisition, and Landsat satellite image. This field links to the National Forest Inventory INFO_DATE. Null if not provided.

ATTRIBUTE DEFINITION SOURCE None

BEGINNING DATE OF ATTRIBUTE VALUES 1800-01-01

ENDING DATE OF ATTRIBUTE VALUES 2100-01-01

ATTRIBUTE

ATTRIBUTE LABEL POLY_HA

ATTRIBUTE DEFINITION

POLY_HA is the total area of each fire polygon calculated in hectares using the Canada Albers Equal Area Conic projection.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Positive real number

ATTRIBUTE

ATTRIBUTE LABEL ADJ_HA

ATTRIBUTE DEFINITION

ADJ_HA is an adjusted area burn of each fire polygon calculated in hectares. Area burned prediction models for Agency data (BASRC = 3) are described in Skakun et al., 2021 (<https://doi.org/10.1088/1748-9326/abfb2c>). Coarse resolution burned areas (BASRC=2) use a non-parametric linear Theil Sen regression function.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Positive real number

ATTRIBUTE

ATTRIBUTE LABEL ADJ_FLAG

ATTRIBUTE

ATTRIBUTE LABEL AGENCY

ATTRIBUTE DEFINITION

AGENCY is the jurisdiction (Province, Territory, or National Park) where the fire polygon is mapped.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE AB

ENUMERATED DOMAIN VALUE DEFINITION

Alberta

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE BC

ENUMERATED DOMAIN VALUE DEFINITION

British Columbia

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE MB

ENUMERATED DOMAIN VALUE DEFINITION

Manitoba

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE NB

ENUMERATED DOMAIN VALUE DEFINITION

New Brunswick

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE NL

ENUMERATED DOMAIN VALUE DEFINITION

Newfoundland & Labrador

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE NS

ENUMERATED DOMAIN VALUE DEFINITION

Nova Scotia

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE NT
ENUMERATED DOMAIN VALUE DEFINITION
Northwest Territories
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE ON
ENUMERATED DOMAIN VALUE DEFINITION
Ontario
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE QC
ENUMERATED DOMAIN VALUE DEFINITION
Quebec
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE SK
ENUMERATED DOMAIN VALUE DEFINITION
Saskatchewan
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Yukon Territory
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Nunavut
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Aulavik (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Auyuittuq (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Banff (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION

Bruce Peninsula (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Cape Breton (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Elk Island (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Forillon (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Fundy (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Georgian Bay Is. (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Gulf Islands (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Gwaii Haanas (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Glacier (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Gros Morne (National Park)
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None

ENUMERATED DOMAIN

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Grasslands (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Ivvavik (National Park)
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None

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ENUMERATED DOMAIN VALUE DEFINITION
Jasper (National Park)
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None

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ENUMERATED DOMAIN VALUE DEFINITION
Kejimikujik (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Kouchibouguac (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Kluane (National Park)
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None

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Kootenay (National Park)
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None

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La Mauricie (National Park)
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None

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ENUMERATED DOMAIN VALUE DEFINITION
Mingan (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Nahanni (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE

None

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Prince Albert (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Prince Edward Island (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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Point Pelee (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Pacific Rim (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Pukaskwa (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Quttinirpaaq (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Mount Revelstoke (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Riding Mountain (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Sirmilik (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION

Thousand Islands (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Torngat Mountains (National Park Reserve)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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Terra Nova (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Tuktut Nogait (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Ukkusiksalik (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Vuntut (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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Wood Buffalo (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Waterton Lakes (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

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ENUMERATED DOMAIN VALUE DEFINITION
Wapusk (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ENUMERATED DOMAIN
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ENUMERATED DOMAIN VALUE DEFINITION
Yoho (National Park)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
None

ATTRIBUTE

ATTRIBUTE LABEL BT_GID

ATTRIBUTE DEFINITION

BT_GID is a Business Table Identifier, internal use

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL VERSION

ATTRIBUTE DEFINITION

VERSION uniquely identifies the version of the dataset.

ATTRIBUTE DEFINITION SOURCE None

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Formatted as NNNN_rX_YYYYMMDD where NNNN is the year of the processed fire season; rX is the NBAC rule set used to generate the shapefile; YYYYMMDD is the file creation datestamp (year, month, day)

ATTRIBUTE

ATTRIBUTE LABEL COMMENT

Hide Entities and Attributes ▲