2019 Provincial Strategic Threat Analysis
BC Wildfire Service

Fire Threat and Recent Fires

2019 Fire Threat Rating

- No Data (Private Land)
- No Data (Private Managed Forest Land)
- Water
- No Threat
- 1 - Low
- 2 - Low
- 3 - Low
- 4 - Moderate
- 5 - Moderate
- 6 - Moderate
- 7 - High
- 8 - High
- 9 - Extreme
- 10 - Extreme

Fire Perimeters

- 2018 Fire Perimeters*

Base Data

- Fire Centres
- Fire Zones
- Highway

* There are six 2018 Fire Perimeters not drawn as revisions to threat on these fires have been incorporated. Shovel Lake (R11498), Nadina Lake (R21721), Verdun (R11796), Island Lake (R11921), Cheslatta River (R11683) and Telegraph Creek (R91947).

Yukon Territory
Northwest Territories
Alberta
Alaska
Montana
Idaho
Washington

Atlin
Dease Lake
Fort Nelson
Fort St. John
Dawson Creek
Chetwynd
Mackenzie
Tumbler Ridge
Hazelton
Smithers
Terrace
Prince Rupert
Houston
Burns Lake
Kitimat
Vanderhoof
Prince George
Masset
Queshel
Valemount
Bella Coola
Williams Lake
Alexis Creek
Blue River
100 Mile House
Clearwater
Golden
Revelstoke
Port Hardy
Lillooet
Cache Creek
Kamloops
Salmon Arm
Invermere
Nakusp
Vernon
Elkford
Pemberton
Lytton
Merritt
Kaslo
Whistler
Kelowna
Slocan
Cranbrook
Fernie
Campbell River
Powell River
Boston Bar
Nelson
Squamish
Princeton
Penticton
Castlegar
Sechelt
Harrison Hot Springs
Hope
Parksville
Port Alberni
Vancouver
Chilliwack
Grand Forks
Osoyoos
Abbotsford
Tofino
Cultus Lake
Duncan
Victoria

120 60 0 120 Km

Data Sources and Notes:

The Provincial Strategic Threat Analysis (PSTA) 2019 Fire Threat Analysis Component primary data inputs include:

- BC Forest Vegetation Inventory
- Provincial Digital Elevation Model (DEM)
- 90th Percentile Fire Weather
- Historical Wildfire Points >= 4 Hectares
- BC Fuels Layer

All layers were derived using 50 meter raster analysis.
For the purpose of the PSTA the Wildland Urban Interface Area is defined as the 2 kilometer (km) buffer from areas with a structure density of >= 6 structures/km^2. The 1 km buffer is derived from areas with a structure density of < 6 structures/km^2. Structure density was primarily derived from AddressBC information from the Integrated Cadastral Information Society and was supplemented with TRIM and other local data.

For more information on the PSTA please visit the Prevention page on the BC Wildfire Service website
https://www.gov.bc.ca/gov/content/safety/wildfire-status/prevention

PSTA Disclaimer:
The information presented within the Provincial Strategic Threat Analysis (PSTA) is derived from datasets and models that represent a provincial-level assessment of approximate relative wildfire threat across the land base.
It is intended to provide a strategic level analysis of many different factors that contribute to wildfire threat, but it is not intended to represent absolute, site-specific values. The PSTA was created at a provincial scale, so users of this product need to confirm that the initial wildfire-threat rating assigned to a given area is accurate by having a qualified professional validate that rating at the forest stand level.
Any limitations of the PSTA are related but not limited to the accuracy of; the Vegetation Resources Inventory (VRI); the 17 fuel types identified under the Canadian Forest Fire Behaviour Prediction (FBP) System; historical fire data; and assumptions associated with the development of the head fire intensity and spotting impact data layers.
The PSTA does not provide an assessment of wildfire threat on private land parcels as these are best determined through a site level assessment such as FireSmart. The PSTA was designed to assess the forested land base while the FireSmart hazard assessment takes into consideration individual structure components (roofing and sidings), fences, exotic plants and vegetation 10m and out from the structure; key areas linked to fire spread in the community. The WUI component of the PSTA does not take into consideration this information.
Any components within the Data that are derived from structure-related information are intended to provide a strategic-level analysis, but it is not intended to represent absolute, site-specific values. Any limitations of this WUI data are related but not limited to the accuracy of; the Terrain Resource Inventory Management (TRIM) data; the Integrated Cadastral Information Society (ICI Society) Address BC and BC Assessment data; and other local datasets. It is the responsibility of the user to determine the suitability of this Data for their project
BC Wildfire Service makes no warranties or guarantees either express or implied as to the completeness, accuracy or correctness of the Data, nor accept any liability arising from any incorrect, incomplete or misleading information contained therein.
All information, Data and databases are provided "as is" with no warranty, express or implied, including but not limited to fitness for a particular purpose. By accessing the PSTA data, PDF files or any product derived from the Data, you hereby release the BC Wildfire Service and its staff, employees and contractors from any and all responsibility and liability associated with their use.

Produced By:

Ministry of Forests, Lands, Natural Resource Operations & Rural Development
BC Wildfire Service

BRITISH COLUMBIA
www.gov.bc.ca

Scale: **1:1,600,000**
Coordinate System: NAD 1983 BC Environment Albers

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