2021 Provincial Strategic Threat Analysis
BC Wildfire Service

Human Fire Start Density

Human Fire Start Density (weighted # of fires per 10km radius)

- Water
- No Fires
- 1 - 5 (lowest density)
- 5.1 - 10
- 10.1 - 17
- 17.1 - 24
- 24.1 - 33
- 33.1 - 45
- 45.1 - 60
- 60.1 - 82
- 82.1 - 116
- > 116 (highest density)

Base Data

- Fire Centres
- Fire Zones
- Highway

Yukon Territory
Northwest Territories
Alberta
Alaska
Montana
Idaho
Washington

120 60 0 120 Km

Data Sources and Notes:

The Provincial Strategic Threat Analysis (PSTA) 2021 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 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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