2017 Provincial Strategic Threat Analysis
BC Wildfire Service
Head Fire Intensity

Head Fire Intensity 90 (90th percentile fire weather indices)

- No Data (Private Land)
- No Data (Private Managed Forest Land)
- Water
- Non-Fuel
- <1000 kW/m
- >1000 to 2000 kW/m
- >2000 to 4000 kW/m
- >4000 to 6000 kW/m
- >6000 to 10000 kW/m
- >10000 to 18000 kW/m
- >18000 to 30000 kW/m
- >30000 to 60000 kW/m
- >60000 to 100000 kW/m
- >100000 kW/m

Base Data

- Fire Centres
- Fire Zones
- Highway

Data Sources and Notes:

The Provincial Strategic Threat Analysis (PSTA) 2017 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 . The 1 km buffer is derived from areas with a structure density of < 6 structures/km . 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
http://bcwildfire.ca/Prevention/

PSTA Disclaimer:
The information presented within the PSTA is derived from datasets and models that represent a provincial-level assessment of approximate relative fire threats 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-risk 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 of areas, but it is not intended to represent absolute, site-specific values. It is the responsibility of the Applicant to determine the suitability of this Data for their project.
Any limitations of this 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, BC Assessment data; and other local datasets.
BC Wildfire Service makes no warranties or guarantees either express or implied as to the completeness, accuracy or correctness of the Data, nor accepts any liability arising from any incorrect, incomplete or misleading information contained therein.
The Data is provided "as is" with no warranty, express or implied, including but not limited to fitness for a particular purpose. By accessing the Data, PDF files or any product derived from the Data, the Applicant hereby releases BCWS and its staff, employees and contractors from any and all responsibility and liability associated with the use of the Data by the Applicant.
The Applicant covenants and agrees that it will use the Data at its own risk, and that BCWS will not be liable for, and the Applicant hereby waives, any claim, action, damage, liability, cost or expense which the Applicant may suffer, incur or be put to in connection with use of the Data by the Applicant, except and to the extent of any loss and damage caused by the gross negligence or willful misconduct of BCWS.

Coordinate System: NAD 1983 Albers

1:1,600,000

120 60 0 120 Km

Produced By:

BRITISH COLUMBIA

Ministry of Forests, Lands, Natural Resource Operations and Rural Development

N W E S

BC Wildfire Service

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