

Summary table

Following table summarizes and compares the considered fire weather indices:

Index	Description	Calculation	Scale	Units	Range	Notes
Palmer Drought Index (PDI)	Measures the probability of a fire occurring given current weather conditions.	Based on precipitation and temperature data over a specified period.	Relative	Dimensionless	-1.0 to 1.0	Range from -1.0 to 1.0, where values above 0.5 indicate potential fire risk.
Forest Fire Potential Index (FFPI)	Assesses the likelihood of a wildfire starting based on current environmental factors.	Combines temperature, relative humidity, and wind speed into a single index.	Relative	Dimensionless	0.0 to 100	Range from 0.0 to 100, where higher values indicate greater potential for ignition.
Fire Weather Index (FWI)	Estimates the difficulty of controlling a wildfire once it has started.	Includes factors like temperature, relative humidity, and wind speed.	Relative	Dimensionless	0 to 100	Range from 0 to 100, where higher values indicate more difficult fire control.
Severity Index (SI)	Indicates the severity of a wildfire based on its behavior and impact.	Assesses factors such as flame length, smoke density, and rate of spread.	Relative	Dimensionless	0 to 100	Range from 0 to 100, where higher values indicate greater wildfire severity.

[table_indices.pdf](#)

The original document is available at <http://wiki.fire.wsl.ch/tiki-index.php?page=Summary+table>