

# TEXAS WILDFIRE RISK ASSESSMENT PORTAL DATA CROSSWALK



TEXAS A&M  
FOREST SERVICE



Previous TxWRAP Layer	Current TxWRAP Layer	Purpose/Description
WUI Response Index	Housing Unit Impact	Represents a rating of wildfire damage and number of homes impacted.
Where People Live	Housing Unit Density	Displays housing unit density measured in number of housing units per square kilometer.
Community Protection Zones	Functional WUI (Direct and Indirect Zones)	Identifies wildfire exposure zones and is used to prioritize protection and mitigation within a community.
Wildfire Threat	Burn Probability	Measures the likelihood of wildfire burning a specific location within one calendar year or wildfire season.
Characteristic Fire Intensity Scale	Characteristic or Extreme Fireline Intensity Scale	Quantifies the potential fire intensity for an area by orders of magnitude.
Characteristic Flame Length	Characteristic or Extreme Flame Length	Flame length measures the height of flames - influenced by fuel and weather conditions.
Characteristic Rate of Spread	Characteristic or Extreme Rate of Spread	Represents the speed with which a fire moves across the landscape.
Fire Type Extreme	Probability of Crown Fire	Shows the likelihood of experiencing a crown fire if a fire were to occur.
Surface Fuels	Surface Fuels	Contains the fuel parameters needed for surface fire behavior modeling.
Dozer Operability Rating	Suppression Difficulty Index	Provides a rating of relative difficulty in wildfire suppression efforts and considers factors like terrain, access, fuel, and fire behavior.
Percent Slope	Percent Slope	Measures inclination or slope steepness and is used to characterize the local conditions for operating equipment.
Landforms	Landforms	Provides a general characterization of topographic features in Texas, used to identify where topography might present suppression challenges.
Wildland Urban Interface (WUI)	<i>Housing Unit Density outside of Little-to-No Exposure Functional WUI</i>	Depicts where humans and their structures meet or intermix with wildland fuel and excludes the urban core.
Wildfire Ignition Density	<i>Planned layer addition</i>	Estimates the relative likelihood of a wildfire starting based on historical ignition patterns.
Vegetation	<i>Planned layer addition</i>	General vegetation and landcover types.