



STATE OF ALASKA DIVISION OF FORESTRY & FIRE PROTECTION

Assessment of Fuels Risk / Hazard, Barriers, Fire Protection Resources, and Firewise:

Rating Elements

1. Risk/Hazard Analysis of available fuels inside community (inside community to 1 mile)
2. Risk/Hazard Analysis of available fuels outside community (1-10miles)
3. Barriers
4. Fire Protection Resource Availability
5. Community Firewise Rating
6. Overall Community Rating
7. Wildfire Risk to Communities (wildfirerisk.org) Rating Summary

Risk/Hazard Analysis, Available Fuels

The **Community Name** is classified as Fire Regime Group ____, which means a stand replacement severity fire is possible every ____ years.

1. Inside Community: The rating area includes lands within one mile of the community in all directions. The rating is based on history/likelihood of fire in the community and the availability of hazard fuels.

RISK/HAZARD ANALYSIS AVAILABLE FUELS CHART 1

FUELS (predicted fire behavior based on historic summertime weather with hot, dry conditions)	Alaska Fire Return Interval: High 0-99 years	Where Found:
Black Spruce Boreal Forest (CFFDRS=C2) <i>rate of spread: high intensity: high spotting potential: high</i>	HIGH	
Black Spruce Lichen Woodland (CFFDRS=C1) <i>rate of spread: moderate intensity: moderate spotting potential: high</i>	HIGH	
Grass (cured tall standing or matted; CFFDRS = O1a/O1b) <i>rate of spread: high intensity: moderate: spotting potential: low</i>	HIGH	
Mixed Boreal Forest (may include white or black spruce, aspen and/or birch; CFFDRS=M1) <i>rate of spread: moderate intensity: moderate spotting potential: moderate</i>	MODERATE	
Hardwood Forest (includes aspen & birch; CFFDRS use D1 or M1, M2) <i>rate of spread: low intensity: low spotting potential: low</i>	MODERATE	



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Deciduous Brush (includes willow & alder) <i>rate of spread: low intensity: low spotting potential: low</i>	LOW	
Insect and Disease in Mixed Boreal Forest (may include white or black spruce, aspen and/or birch) <i>rate of spread: moderate intensity: High spotting potential: High</i>	MEDIUM	

Notes on fuels within one mile of community:

2. Outside Community: The rating area is from 1-10 miles outside the community and is based on the history/likelihood of fire in the area and the availability of hazard fuels.

RISK/HAZARD ANALYSIS AVAILABLE FUELS CHART 2

FUELS (predicted fire behavior based on historic summertime weather with hot, dry conditions)	Alaska Fire Return Interval: High 0-99 years	Where Found:
Black Spruce Boreal Forest (CFFDRS=C2) <i>rate of spread: high intensity: high spotting potential: high</i>	HIGH	
Black Spruce Lichen Woodland (CFFDRS=C1) <i>rate of spread: moderate intensity: moderate spotting potential: high</i>	HIGH	
Grass (cured tall standing or matted; CFFDRS = O1a/O1b) <i>rate of spread: high intensity: moderate: spotting potential: low</i>	HIGH	
Mixed Boreal Forest (may include white or black spruce, aspen and/or birch; CFFDRS=M1) <i>rate of spread: moderate intensity: moderate spotting potential: moderate</i>	MODERATE	
Hardwood Forest (includes aspen & birch; CFFDRS use D1 or M1, M2) <i>rate of spread: low intensity: low spotting potential: low</i>	MODERATE	
Deciduous Brush (includes willow & alder) <i>rate of spread: low intensity: low spotting potential: low</i>	LOW	
Insect and Disease in Mixed Boreal Forest (may include white or black spruce, aspen and/or birch) <i>rate of spread: moderate intensity: High spotting potential: High</i>	MEDIUM	

Notes on fuels 1-10 miles from community:



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3.Barriers:

Standards for rating natural and constructed (human-made) barriers:

Low Fire Danger: The community has a natural or constructed barriers that provide thorough protection from fuels less than 1 mile away in at least 3 cardinal directions. An example of this would be a small community sandwiched between a major river and a runway, or a community on an island

Moderate Fire Danger: The community has natural or constructed barriers that provide thorough protection from fuels less than 1 mile away in at least two cardinal directions. Communities may have multiple barriers affecting a rating. Examples are airstrips separating a community from significant outside fuels, communities set amidst less flammable vegetation types, or communities situated on major rivers.

High Fire Danger: Any barriers that exist which provide protection from fuels less than 1 mile away in fewer than two cardinal directions. Examples of insignificant barriers are small streams or sloughs with narrow riparian zones situated in highly flammable fuel types.

BARRIER RATING CHART

Barrier Type	Rating for Community (Low, Moderate or High Fire Danger)	Where Found:
Water Features		
Other Natural Features		
Constructed (Human-made) Features		
Overall Community Barrier Rating		



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Notes on natural and constructed (human-made) barriers:

4. Fire Protection Resource Availability:

FIRE PROTECTION RESOURCES RESPONSE CHART

Response Time	Risk	Kind of Response (List resources available for initial attack)
Adequate initial attack resources are more than 75 minutes away and adequate extended attack resources are more than 12 hours away.	High	
Adequate initial attack resources are 30- 75 minutes away and adequate extended attack can be in place in 8-12 hours.	Moderate	
Adequate initial attack resources are less than 30 minutes away and adequate extended attack can be in place in less than 8 hours.	Low	
Overall Fire Response Rating		

Notes on fire protection resources:

5. Community Firewise Rating:

Alaska Firewise Standards for Creating Defensible Space

Landscaping: There is a clearing of flammable vegetation at least 30 feet around the home for firefighting equipment: coniferous brush and dead/overhanging branches



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are removed; trees are pruned 6-10 feet above the ground; lawn is mowed and watered regularly, and ladder fuels are removed from the yard; remaining trees are spaced at least 30' apart at crowns; garden equipment (hoses and hand tools) are kept on the property.

Construction Guidelines: Home is made of fire-resistant or non-combustible construction materials (especially important for roofing); vents are covered with wire mesh no larger than 1/8 inch; at least two ground-level doors exist; at least two means of escape exist in each room.

Water Supply Guidelines: Home has a reliable water source, 3 to 4 sprinklers and enough hose to circle the home.

Access Guidelines: Access roads are at least 2 lanes wide and clearly marked; ample turnaround space exists for vehicles/fire equipment. Clear of

Flammables/Refuse/Debris Guidelines: Combustible materials are not located in the yard or under decks or porches; firewood is stored away (at least 30 feet) from the house; all debris or refuse is picked up regularly.

COMMUNITY FIREWISE FOR DEFENSIBLE SPACE RATING CHART (Overall community assessment, not individual structures)

Alaska Firewise Standards	Low Excellent Over 65% of homesites and community buildings meet standard	Moderate Between 35- 65% of homesites and community buildings meet standard	High Less than 35% of homesites and community buildings meet standard
Landscaping			
Construction			
Water Supply			



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Clear of Flammables/ Refuse/Debris (flammables stored properly & area cleared)			
Overall Rating			

Notes on defensible space within this community:

6. Overall Community Rating:

OVERALL RATING CHART SUMMARY

Category	Rating
Risk/Hazard Analysis of available fuels inside community (inside community to 1 mile)	
Risk/Hazard Analysis of available fuels outside community (1-10miles)	
Barriers	
Fire Protection Resource Availability	
Community Firewise Rating	

Notes on other contributing factors to risk and mitigation of wildland fire in this community:

7. Wildfire Risk to Communities (wildfirerisk.org) Rating Summary: