

Fire Regime Condition Class (FRCC) Interagency Handbook Reference Conditions

Modeler: Kelly Pohl

Date: 8/21/03

PNVG Code: PPIN7

Potential Natural Vegetation Group: Ponderosa Pine Southwest

Geographic Area: Southwestern U.S. (Arizona, New Mexico, Utah)

Description: Found in mountains and foothills of Arizona and New Mexico, generally on gentle to steep slopes. Most often found on southerly aspects in montane zone. Large openings with grass and oak can be found in this PNVG. Other pine species (e.g., Southwestern White Pine), *Abies* spp., and *Pseudotsuga menziesii* also may be present.

Fire Regime Description: Very frequent surface fires with occasional mixed and very rare stand replacement fires. Succession is dependent on frequent fire.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	15	Grass, oak, and shrub following replacement fire or reburn.
B: mid-development closed	4	>30% canopy cover of sapling and pole pine, Douglas-fir, and <i>Abies</i> spp.
C: mid- open	20	<30% canopy cover dominated by ponderosa pine. Other southwest pine species may be present (e.g., Arizona, Chihuahua, Apache). Grass-oak understory.
D: late- open	60	<30% canopy cover dominated by ponderosa pine. Other southwest pine species may be present (e.g., Arizona, Chihuahua, Apache). Grass-oak understory.
E: late- closed	1	>30% canopy cover of ponderosa pine, Southwestern White Pine, Douglas-fir, and <i>Abies</i> spp.
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Percent, All Fires	Description
Replacement Fire	.01	5	Very infrequent replacement fire in A, B and E.
Non-Replacement Fire	.25	95	Frequent surface fire in C and D. Occasional mosaic fire in B and E.
All Fire Frequency*	.26	100	

*Sum of replacement fire and non-replacement fire probabilities.

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PERSONAL COMMUNICATION (if applicable):

MODELER FIELD REVIEWS (if applicable):

VDDT File Documentation

Include screen captures (print-screens) from any of the VDDT graphs that were used to develop reference conditions.









