Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Kelly Pohl  
Date: 8/18/03  
PNVG Code: PPDF7

Potential Natural Vegetation Group: Ponderosa pine-Douglas-fir

Geographic Area: Southwest

Description: Generally found in upper montane zone on steep to gentle slopes, predominantly on mesic, north-facing slopes. Abies concolor, Juniperus spp. and Quercus gambelli are also found.

Fire Regime Description: Primarily Fire regime group I. Includes frequent surface and mixed-severity fires with occasional replacement fires.

Vegetation Type and Structure

<table>
<thead>
<tr>
<th>Class</th>
<th>Percent of Landscape</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: post replacement</td>
<td>15</td>
<td>Openings with grass, shrub, and forbs created after replacement fire. May have seedlings of ponderosa pine or other species (Larix occidentalis, Pseudotsuga menziesii, Abies spp.)</td>
</tr>
<tr>
<td>B: mid-development closed</td>
<td>5</td>
<td>&gt;30% canopy cover of sapling or pole Douglas-fir and ponderosa pine.</td>
</tr>
<tr>
<td>C: mid-open</td>
<td>15</td>
<td>&lt;30% canopy cover of sapling or pole ponderosa pine, with some Douglas-fir.</td>
</tr>
<tr>
<td>D: late-open</td>
<td>60</td>
<td>&lt;30% canopy cover of mature ponderosa pine with occasional Douglas-fir in patches. Other species (Abies spp., Larix occidentalis) may be present.</td>
</tr>
<tr>
<td>E: late-closed</td>
<td>5</td>
<td>&gt;30% canopy cover of mature Douglas-fir with ponderosa pine and other species (Abies spp.) present.</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>Total</td>
</tr>
</tbody>
</table>

Fire Frequency and Severity

<table>
<thead>
<tr>
<th>Fire Frequency-Severity</th>
<th>Modeled Probability</th>
<th>Percent, All Fires</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement Fire</td>
<td>.005</td>
<td>5</td>
<td>Occasional stand-replacement fires, mostly in B and E.</td>
</tr>
<tr>
<td>Non-Replacement Fire</td>
<td>.095</td>
<td>95</td>
<td>Frequent (7-35 year) surface and mosaic fires in B, C, D, and E. Fires generally maintain open types and decrease density in closed types.</td>
</tr>
</tbody>
</table>

All Fire Frequency* | .100 | 100 |

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

References


VDDT Results

*Vegetation Dynamics Development Tool - [% Pixels Affected (Avg, Min, Max)]*

**Mean for period [1,10] is .2.; period [11,50] is .3.; period [51,98] is .3.; period [99,1,000] is .3.**