Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Doug Havlina  Date: 8/13/03  PNVG Code: JUST1

Potential Natural Vegetation Group: Juniper Steppe-Infrequent

Geographic Area: Pacific Northwest, Columbia Plateau, Great Basin.

Description: PNVG common on mountain slopes, high plateaus, scablands, and rimrock sites. Soils are shallow, stony, and low in organics. The climate is the most xeric for any tree occurring in the western U.S. Associates may include big sagebrush spp., curleaf mountain mahogany, bitterbrush, rabbitbrush spp., and a variety of arid land bunchgrasses. Stand development patterns range from savannahs to old-growth individuals on rocky sites.

Fire Regime Description: Fire Regimes III and IV; primarily moderately long-to long interval (e.g., 100-200 yr) mixed severity- and stand 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>5</td>
<td>Post-fire community of scattered forbs and perennial grasses</td>
</tr>
<tr>
<td>B: mid-development</td>
<td>5</td>
<td>Mid-seral, dense (&gt;40% cover) juniper stands with bare ground and occasional forbs and grasses</td>
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<tr>
<td>B: mid-closed</td>
<td>5</td>
<td>Mid-seral, dense (&gt;40% cover) juniper stands with bare ground and occasional forbs and grasses</td>
</tr>
<tr>
<td>C: mid-open</td>
<td>20</td>
<td>Mid-seral, open (&lt;40% cover) juniper stands with perennial grasses and forbs in interspaces</td>
</tr>
<tr>
<td>D: late-open</td>
<td>55</td>
<td>Late-seral, open (&lt;40% cover) juniper community with well represented shrub/herbaceous community</td>
</tr>
<tr>
<td>E: late-closed</td>
<td>15</td>
<td>Uncommon developmental stage. Late-seral, closed (&gt;40% canopy) juniper community. Depauperate or non-existent shrub and herbaceous community.</td>
</tr>
</tbody>
</table>

Total 100

Fire Frequency and Severity

<table>
<thead>
<tr>
<th>Fire Frequency-Severity</th>
<th>Modeled Probability</th>
<th>Pct, All Description Fires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Frequency Type</td>
<td>Probability</td>
<td>Frequency</td>
</tr>
<tr>
<td>-------------------------------</td>
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<td>-----------</td>
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<tr>
<td>Replacement Fire</td>
<td>.003</td>
<td>35</td>
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<td></td>
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<tr>
<td>Non-Replacement Fire</td>
<td>.0055</td>
<td>65</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>All Fire Frequency*</td>
<td>.0085</td>
<td>100</td>
</tr>
</tbody>
</table>

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

References


VDVT RESULTS

Class A: Early-Develop, PstRpl

Class C: Mid-Develop, Open

Class D: Late-Develop, Open