Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Doug Havlina  Date: 8/14/03  PNVG Code: PPIN2

Potential Natural Vegetation Group: Ponderosa Pine (Northern and Central Rockies).

Geographic Area: Northern and Central Rockies.

Description: PNVG generally occurs in dry valleys and gentle south-facing slopes in the lower montane zone in a heterogeneous mosaic of even-aged stands. Historically, this PVT was situated adjacent to grasslands, mountain shrublands, Douglas-fir, and lodgepole pine vegetation types.

Fire Regime Description: Fire Regime I, primarily short-interval (e.g., <20 yr) surface 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>10</td>
<td>Bunchgrass and forb dominated community following lethal fire. Frequent sprouting shrubs and scattered conifer seedlings.</td>
</tr>
<tr>
<td>B: mid-development closed</td>
<td>10</td>
<td>Dense mid-development forest; pole to large pole size trees susceptible to stagnation. Marginal understory associated with limited site resources.</td>
</tr>
<tr>
<td>C: mid- open</td>
<td>20</td>
<td>Open mid-development forest with diverse herbaceous understory and scattered woody shrubs. Maintained by frequent burning.</td>
</tr>
<tr>
<td>D: late- open</td>
<td>55</td>
<td>Open late-development forest; widely spaced trees, diverse understory, and limited surface fuels due to frequent burning.</td>
</tr>
<tr>
<td>E: late- closed</td>
<td>5</td>
<td>Dense late-development forest with significant within-stand mortality. Poorly developed understory and substantial surface fuel accumulation.</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 Fires</th>
<th>Description</th>
</tr>
</thead>
</table>

**11/4/03 DRAFT**
<table>
<thead>
<tr>
<th>Replacement Fire</th>
<th>.004</th>
<th>7</th>
<th>Crown fire in B and E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Replacement Fire</td>
<td>.057</td>
<td>93</td>
<td>Mostly surface fires; limited mosaic fire in B, C, and E</td>
</tr>
<tr>
<td>All Fire Frequency*</td>
<td>.061</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

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

References


VDDT RESULTS

Class A: Early-Develop, PstRpl

Class B: Mid-Develop, Open

Class C: Mid-Develop, Open

Class D: Late-Develop, Open
Class A: Early-Develop, PostRpl

Class B: Mid-Develop, CIsd

Class E: Late-Develop, CIsd
Photographs:
Landscape CC1

Landscape CC2

Landscape CC3

Landscape-Current

Landscape-Historical

Class A – Early Development

Class B – Mid-Development Closed  Class C – Mid-Development Open

Class D – Late Development Open  Class E – Late Development Closed