Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Ayn Shlisky
Date: 8/11/03
PNVG Code: CAST2

Potential Natural Vegetation Group: California Steppe Grassland With Shrubs or Trees.

Geographic Area: California

Description: Valley grasslands and coastal prairies from sea level to 3000’ elevation with the potential for shrub and/or tree cover, particularly in the absence of fire.

Fire Regime Description: Fire Regime Group II, primarily frequent (e.g., <5 yr) 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>30</td>
<td>Post-stand replacement dominated by annual grasses and forbs</td>
</tr>
<tr>
<td>B: mid-development</td>
<td>25</td>
<td>&gt;30% perennial grass and forb cover with annual grasses and forbs in interstitial spaces</td>
</tr>
<tr>
<td>C: mid-open</td>
<td>30</td>
<td>&lt; 30% perennial grass and forb cover with annual grasses and forbs in interstitial spaces</td>
</tr>
<tr>
<td>D: late-open</td>
<td>10</td>
<td>1-5% cover shrubs or 1-15% cover trees; understory dominated by annual grasses and forbs with sparse to rare native perennial grasses</td>
</tr>
<tr>
<td>E: late-closed</td>
<td>5</td>
<td>&gt; 5% cover shrubs or &gt;15% cover trees; understory dominated by annual grasses and forbs with sparse to rare native perennial grasses</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>
<tbody>
<tr>
<td>Replacement Fire</td>
<td>.20</td>
<td>95</td>
<td>Occurs in all classes</td>
</tr>
<tr>
<td>Non-Replacement</td>
<td>.01</td>
<td>5</td>
<td>Mosaic fire occurs in encroached</td>
</tr>
</tbody>
</table>
Fire class E

| All Fire Frequency* | 0.21 | 100 |

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

** Note: VDDT pathway “Optional1” refers to effects of native herbivores.

References


PERSONAL COMMUNICATION: January 2003, Gary Oakes, MS Candidate, Univ. Calif. Berkeley
VDDT RESULTS

- Timestep 0
- Timestep 10
- Timestep 50
- Timestep 500

Graphs showing class distribution over time.