SOUTHERN CALIFORNIA AND SIERRA NEVADA

These geographic zones were developed with funding from a Joint Fire Sciences Project, 98-1-8-06, A risk-based comparison of potential fuel treatment tradeoff models (Weise et al. 2000, 2003)

### Ecological Stratification

<table>
<thead>
<tr>
<th>Ecological Stratification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fth-x</td>
<td>Foothills xeric</td>
</tr>
<tr>
<td>Fth-m</td>
<td>Foothills mesic</td>
</tr>
<tr>
<td>Lm-x</td>
<td>Lower montane xeric</td>
</tr>
<tr>
<td>Lm-m</td>
<td>Lower montane mesic</td>
</tr>
<tr>
<td>Um-x</td>
<td>Upper montane xeric</td>
</tr>
<tr>
<td>Um-m</td>
<td>Upper montane mesic</td>
</tr>
<tr>
<td>Sa</td>
<td>subalpine</td>
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</tbody>
</table>

### Vegetation Attributes

<table>
<thead>
<tr>
<th>Dominant Species Used in SIMPPLLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>abbreviation</td>
</tr>
<tr>
<td>AGR</td>
</tr>
<tr>
<td>GRASS</td>
</tr>
<tr>
<td>EXOTIC-GRASSES</td>
</tr>
<tr>
<td>NF</td>
</tr>
<tr>
<td>NS</td>
</tr>
<tr>
<td>CSS</td>
</tr>
<tr>
<td>MDS</td>
</tr>
<tr>
<td>MTN-CHP</td>
</tr>
<tr>
<td>NM-CHP</td>
</tr>
<tr>
<td>C-CHP</td>
</tr>
<tr>
<td>CA-CHP</td>
</tr>
<tr>
<td>Code</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>SD-CHP</td>
</tr>
<tr>
<td>BSB</td>
</tr>
<tr>
<td>SB</td>
</tr>
<tr>
<td>TBRSB</td>
</tr>
<tr>
<td>ILO</td>
</tr>
<tr>
<td>CLO</td>
</tr>
<tr>
<td>BO</td>
</tr>
<tr>
<td>BO-PP</td>
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<tr>
<td>PC</td>
</tr>
<tr>
<td>PJ</td>
</tr>
<tr>
<td>JP</td>
</tr>
<tr>
<td>PP</td>
</tr>
<tr>
<td>LP</td>
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<tr>
<td>WB</td>
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<tr>
<td>WJ</td>
</tr>
<tr>
<td>WH</td>
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<tr>
<td>CW</td>
</tr>
<tr>
<td>QA</td>
</tr>
<tr>
<td>MH</td>
</tr>
<tr>
<td>MC-DF</td>
</tr>
<tr>
<td>MC-IC</td>
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<tr>
<td>MC-WF</td>
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<tr>
<td>MC-PP</td>
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<td>MC-SEQ</td>
</tr>
<tr>
<td>WP</td>
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<tr>
<td>--------</td>
</tr>
<tr>
<td>MC-RF</td>
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<tr>
<td>LP-RF</td>
</tr>
<tr>
<td>DF</td>
</tr>
<tr>
<td>RF</td>
</tr>
<tr>
<td>XERIC-SHRUBS</td>
</tr>
<tr>
<td>MESIC-SHRUBS</td>
</tr>
<tr>
<td>RIP-SHRUBS</td>
</tr>
<tr>
<td>ALPINE-SHRUBS</td>
</tr>
<tr>
<td>WATER</td>
</tr>
</tbody>
</table>

Table B-2 Species in the California zones.

<table>
<thead>
<tr>
<th>Size-Class, Structure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS</td>
<td>seedling &amp; sapling &lt; 5-inch DBH</td>
</tr>
<tr>
<td>POLE</td>
<td>pole size 5–8.9-inch DBH</td>
</tr>
<tr>
<td>PTS</td>
<td>two stories with largest being pole size</td>
</tr>
<tr>
<td>PMU</td>
<td>more than two stories, multi-storied, largest being pole size</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>medium size 9–14.9-inch DBH</td>
</tr>
<tr>
<td>MTS</td>
<td>two stories with largest being medium size</td>
</tr>
<tr>
<td>MMU</td>
<td>more than two stories, multi-storied, largest being medium size</td>
</tr>
<tr>
<td>LARGE</td>
<td>large size, 15–20.9-inch DBH</td>
</tr>
<tr>
<td>LTS</td>
<td>two stories with largest being large size</td>
</tr>
<tr>
<td>LMU</td>
<td>more than two stories, multi-storied, largest being large size</td>
</tr>
<tr>
<td>VERY-LARGE</td>
<td>very large ≥21-inch</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------------</td>
</tr>
<tr>
<td>VLTS</td>
<td>two stories with largest being very-large</td>
</tr>
<tr>
<td>VLMU</td>
<td>more than two stories, multi-storied, largest being very-large</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Density Class</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 - 10</td>
</tr>
<tr>
<td>2</td>
<td>11 - 39</td>
</tr>
<tr>
<td>3</td>
<td>40 - 69</td>
</tr>
<tr>
<td>4</td>
<td>70 - 100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disturbance Process</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>srf</td>
<td>stand replacing fire</td>
</tr>
<tr>
<td>msf</td>
<td>mixed severity fire</td>
</tr>
<tr>
<td>lsf</td>
<td>light severity fire</td>
</tr>
<tr>
<td>dm</td>
<td>drought mortality</td>
</tr>
<tr>
<td>sbb</td>
<td>severe bark beetles</td>
</tr>
<tr>
<td>lbb</td>
<td>light bark beetles</td>
</tr>
<tr>
<td>succ</td>
<td>succession</td>
</tr>
<tr>
<td>Rd</td>
<td>root disease</td>
</tr>
<tr>
<td>bb-rd-mist</td>
<td>root disease, bark beetles, mistletoe complex</td>
</tr>
<tr>
<td>wpbr</td>
<td>white pine blister rust</td>
</tr>
</tbody>
</table>

Information for pathways and process logic came from the following sources: