11/4/03 DRAFT

Fire Regime Condition Class (FRCC) Interagency Handbook Reference Conditions

Modeler: Steve Barrett Date: 9/17/03 PNVG Code: SPDF

Potential Natural Vegetation Group: Spruce-fir Douglas-fir.

Geographic Area: Southwestern U.S. (southern Utah, northern Arizona).

Description: PNVG represents a narrow transition zone between montane and subalpine forest (8000-10,000 ft. elev.); generally dry- to moderately moist sites with gentle- to moderate slope steepness. Stand overstories range from open- to densely stocked, and usually are dominated by white fir, blue spruce, and Douglas-fir, with aspen as a vigorous post-fire colonizer. Stand understories range from relatively open to dense, and are generally dominated by various mixes of shrubs such as mountain maple, serviceberry, fernbursh, ninebark, chokecherry, and snowberry.

Fire Regime Description: Fire Regimes III and I, primarily frequent mixed severity- and surface fires.

| | | Description | |
|------------------------|------------|---|--|
| Class | Percent of | Description | |
| | Landscape | | |
| A: post replacement | 5 | Early succession after moderately long-interval replacement fires | |
| B: mid- | 25 | Shade intolerant aspens and mixed conifer | |
| development closed | | saplings to poles (> 40% canopy cover) | |
| C: mid- open | 28 | Primarily shade intolerant aspens and conifers, saplings to poles (<40% canopy cover) | |
| D: late- open | 22 | Pole- and larger diameter shade intolerant aspens and mixed conifers (<40% canopy cover) in small- to moderate size patches, generally on southerly aspects | |
| E: late-closed | 20 | Pole- and larger diameter shade intolerant- and mixed conifer species (>40% canopy cover), in small- to moderate size patches, particularly on steep northerly aspects | |
| Tota | il 100 | | |

Vegetation Type and Structure

Fire Frequency and Severity

| Fire Frequency- | Modeled | Pct, All | Description | | |
|---|-------------|----------|-------------------------------|--|--|
| Severity | Probability | Fires | | | |
| Replacement Fire | .003 | 6 | Primarily in classes B and E. | | |
| Non-Replacement | .05 | 94 | Primarily in classes B-D. | | |
| Fire | | | - | | |
| All Fire Frequency* | .053 | 100 | | | |
| *Our of real constant fire and real real constant fire much shill the | | | | | |

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

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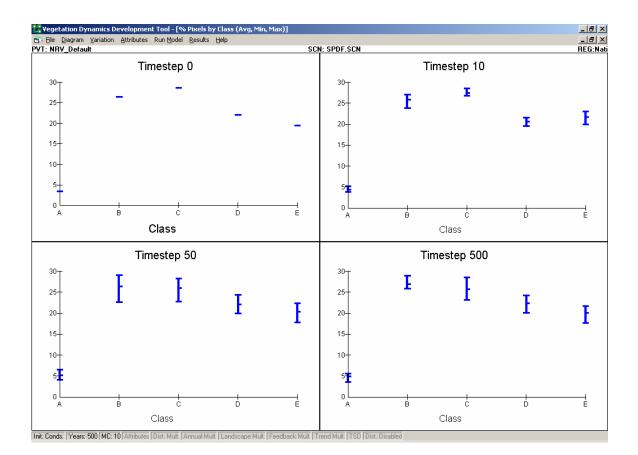
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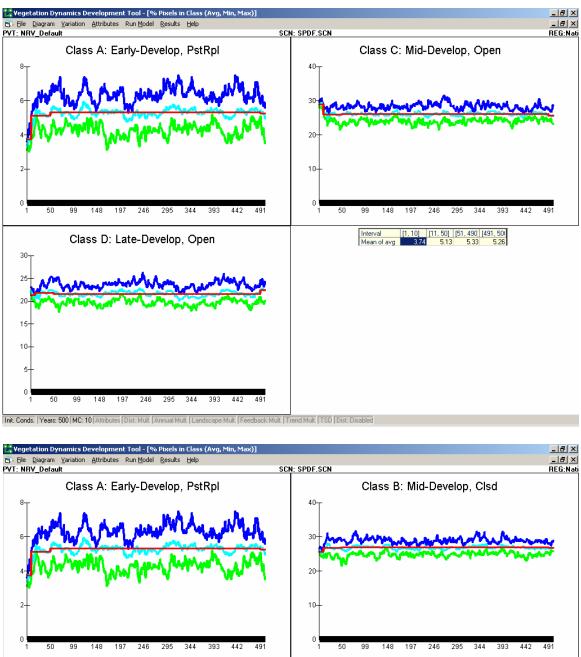
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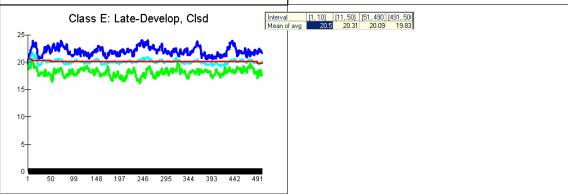
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VDDT Results







Init. Conds. |Years: 500 MC: 10 Attributes Dist. Mult. Annual Mult. Landscape Mult. Feedback Mult. Trend Mult. TSD Dist. Disabled

