11/4/03 DRAFT

Fire Regime Condition Class (FRCC) Interagency Handbook Reference Conditions

Modeler: Doug Havlina Date: 8/29/03 PNVG Code: WSAG2

Potential Natural Vegetation Group: Warm sagebrush (Wyoming big

sagebrush) with Trees.

Geographic Area: Pacific Northwest, Columbia Plateau, Northern Rockies, Central Rockies, Great Basin, California.

Description: Wide-ranging potential natural vegetation group common to Basin and Range province, extending into the Pacific Northwest and east into the central Rockies. Wyoming big sagebrush usually occupies foothills, terraces, slopes and plateaus. Soils are generally shallow and well drained. These relatively arid sites may abut ponderosa pine, juniper species, pinyon species, xeric sagebrush, and grasslands across its range. Pinyon and juniper species are the most common encroaching species, although ponderosa pine may move into some moister Wyoming sage sites. Due to resource limitations, Wyoming big sagebrush communities have fewer understory species relative to other big sagebrush subspecies.

Fire Regime Description: Fire Regime Groups III (35-100+ year, mixed severity), and IV (35-100+, stand replacement).

Vegetation Type and Structure

Class	Percent of	Description
	Landscape	·
A: post	15	Post-fire community of forbs and perennial
replacement		grasses
B: mid-	5	Mid-seral, dense (>15%) canopy cover
development		sagebrush stands with understory of forbs and
closed		grasses. Sapling to pole sized encroaching
		pinyon and/or juniper species present.
C: mid- open	10	Mid-seral, open (<15%) sagebrush community
		with perennial grasses and forbs in
		interspaces. Sapling to pole sized
		encroaching pinyon and/or juniper present.
D: late- open	50	Late-seral, open (<15%) sagebrush community

	00	with limited shrub/herbaceous community. Scattered mature juniper or pinyon species on safe sites protected from fire.
E: late- closed	20	Late-seral, closed (>15%) sagebrush community, noticeable dead component, with
		limited shrub/herbaceous community.
		Scattered mature juniper or pinyon species on
		safe sites protected from fire.
Total	100	•

Fire Frequency	v and Severity
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Fire Frequency-	Modeled	Pct, All	Description	
Severity	Probability	Fires		
Replacement Fire	.00766	46	Crown fire in stages B and E resetting succession to bunchgrass/forb community	
Non-Replacement Fire	.009	54	Mosaic fire in stages B, C and D creating or maintaining open sagebrush structure	
All Fire Frequency*	.0166	100		

^{*}Sum of replacement fire and non-replacement fire probabilities.

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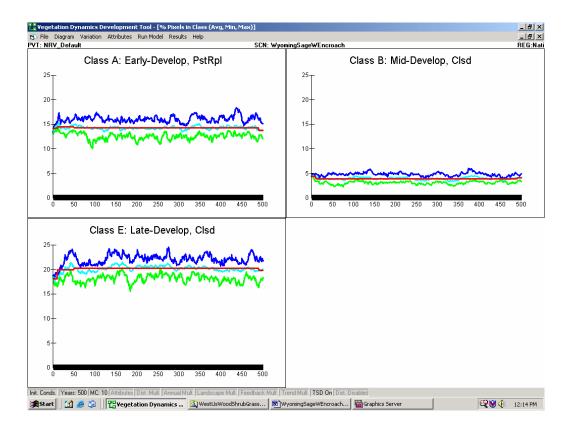
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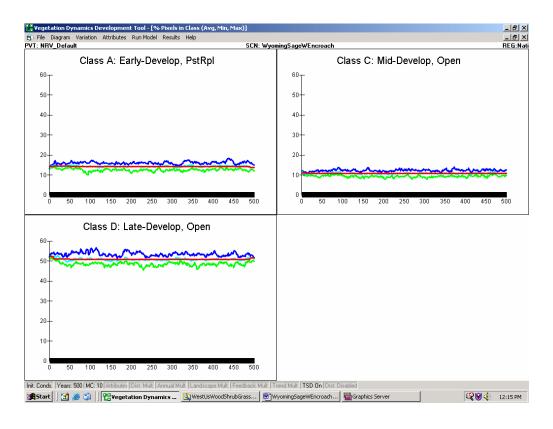
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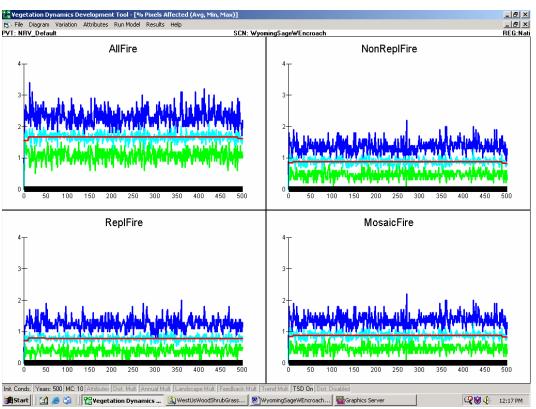
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VDDT Results







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 E – Late Development Closed

Class D – Late Development Open