

Table. Range of variation in landscape structure for sagebrush-dominated stands under the simulated HRV disturbance scenario on the San Juan National Forest, Colorado, and the degree of departure of the current landscape from the simulated range of variation (see text for details).

Landscape Metric	Current Landscape <sup>1</sup>		Percentiles of Simulated Distribution							HRV Departure		
	Metric Value	Percentile of HRV	0	5	25	50	75	95	100	CV <sup>2</sup>	Index <sup>3</sup>	
<i>Seral Stage Composition</i> <sup>4</sup>												
PLAND	1.872	35	1.456	1.588	1.777	1.990	2.169	2.384	2.655	40	0	
<i>Class Configuration</i> <sup>5</sup>												
PD	0.050	0	0.054	0.058	0.064	0.068	0.076	0.107	0.128	72	100	
ED	2.105	4	1.925	2.142	2.406	2.654	2.871	3.113	3.579	37	84	
AREA_MN	37.509	94	13.357	19.442	24.601	27.881	32.496	37.884	43.278	66	76	
AREA_AM	694.992	41	592.662	629.219	667.894	722.239	901.325	1092.746	1305.055	64	0	
GYRATE_AM	998.691	33	864.578	928.351	982.383	1037.954	1195.317	1335.962	1472.240	39	0	
SHAPE_MN	1.956	11	1.898	1.941	1.975	2.003	2.034	2.082	2.115	7	55	
SHAPE_AM	3.703	0	3.716	3.803	4.027	4.302	4.675	5.203	5.720	33	100	
CPLAND	1.495	44	1.113	1.229	1.362	1.537	1.693	1.871	2.134	42	0	
CORE_MN	29.948	96	10.396	15.222	18.679	21.453	25.102	29.578	34.724	67	83	
CORE_AM	636.740	42	542.685	573.527	606.983	657.713	814.969	995.749	1202.705	64	0	
CAI_MN	58.514	85	41.591	45.205	49.308	52.006	55.643	68.471	72.349	45	42	
CAI_AM	79.841	96	73.404	74.830	76.542	77.325	78.266	79.584	81.166	6	86	
PROX_MN	170.186	57	77.279	103.819	132.153	161.180	215.152	317.699	392.901	133	0	
PROX_AM	165.797	4	135.044	173.349	217.232	285.403	424.079	598.946	1018.040	149	83	
CWED	0.664	2	0.636	0.692	0.784	0.866	0.929	0.991	1.027	35	92	
TECI	30.669	19	27.869	29.721	30.973	31.992	32.980	34.082	35.056	14	26	
CLUMPY	0.928	100	0.892	0.903	0.912	0.916	0.919	0.924	0.928	2	100	
IJI	74.333	88	64.055	67.085	69.797	71.789	73.445	75.273	76.843	11	52	
<b>Summary Indices<sup>6</sup>:</b>												
										<i>Seral-Stage Departure Index</i>		0
										<i>Class Configuration Departure Index</i>		54
										<i>Cover Type Departure Index</i>		27

<sup>1</sup>Some stand conditions are not represented in the current landscape. Certain metrics are logically zero if the class is absent, while others are undefined (indicated by missing data). HRV departure index is undefined if the current landscape condition is undefined.

<sup>2</sup>CV = coefficient of variation in the simulated distribution, computed as the difference between the 5 and 95<sup>th</sup> percentiles divided by the median and multiplied by 100 to convert to a percentage. n/d = not defined (division by zero).

<sup>3</sup>HRV departure index represents the degree of departure of the current landscape condition from the historic range of variability and is given here specifically as the degree of departure from the 25-75<sup>th</sup> percentile range of variation, where a 0 represents no departure (i.e., within the 25-75<sup>th</sup> percentiles of variation) and 100 represents complete departure (i.e., outside the 0-100<sup>th</sup> percentiles of variation).

<sup>4</sup>Landscape composition here represents the distribution of area among seral stages for the corresponding cover type. PLAND = the percent of the landscape encompassed by the corresponding seral stage. Note, PLAND = the percentage of the entire landscape, not as a percent of the corresponding cover type.

<sup>5</sup>Landscape configuration here represents the spatial character, distribution, and arrangement of the corresponding cover type. The landscape metrics listed here are described in detail in the FRAGSTATS methods section. PD = patch density; ED = edge density; AREA\_MN = mean patch size; AREA\_AM = area-weighted mean patch size; GYRATE\_AM = area-weighted mean patch radius of gyration (correlation length); SHAPE\_MN = mean patch shape index; SHAPE\_AM = area-weighted mean patch shape index; CPLAND = core area percent of landscape; CORE\_MN = mean patch core area; CORE\_AM = area-weighted mean patch core area; CAI\_MN = mean patch core area index; CAI\_AM = area-weighted mean patch core area index; PROX\_MN = mean proximity index; PROX\_AM = area-weighted mean proximity index; CWED = contrast-weighted edge density; TECI = total edge contrast index; CLUMPY = clumpiness index; IJI = interspersion and juxtaposition index.

<sup>6</sup>Seral-stage departure index is based on the distribution of area (percentage of landscape) among seral stages and is computed as the mean departure across seral stages. Class configuration departure index is based on several landscape metrics that quantify different aspects of the spatial distribution of the cover type and is computed as the mean departure across metrics. Cover type departure index is computed as the mean of the seral-stage and class configuration departure indices.