

Table. Range of variation in landscape structure for Semi-Desert Grassland under the simulated HRV disturbance scenario on the Uncompahgre Plateau Landscape, Colorado.

Landscape Metric	Condition Class (seral stage)	Percentiles of Simulated Distribution							CV ¹
		0	5	25	50	75	95	100	
<i>Seral Stage Composition</i> ²									
PLAND	Early Grass - Forb	0.13	0.37	1.07	1.57	2.20	3.14	4.11	177
	Mid Grass - Shrub	0.29	0.63	1.18	1.59	2.08	2.88	4.16	142
	Shrub - Grass	0.66	1.20	1.65	2.22	2.75	3.43	3.82	101
<i>Class Configuration</i> ³									
PD	Early Grass - Forb	0.03	0.05	0.10	0.12	0.16	0.24	0.33	155
	Mid Grass - Shrub	0.05	0.09	0.13	0.16	0.20	0.26	0.33	111
	Shrub - Grass	0.21	0.28	0.36	0.43	0.48	0.52	0.54	56
ED	Early Grass - Forb	0.41	0.91	2.67	3.82	5.46	7.89	10.84	183
	Mid Grass - Shrub	0.84	1.85	3.32	4.36	5.77	7.78	11.13	136
	Shrub - Grass	2.72	4.85	6.28	8.15	9.67	11.48	12.48	81
AREA_MN	Early Grass - Forb	2.95	6.31	9.25	12.02	14.88	20.45	33.17	118
	Mid Grass - Shrub	4.43	6.31	8.08	9.58	11.75	15.21	22.67	93
	Shrub - Grass	2.85	3.62	4.53	5.29	5.96	7.02	8.19	64
AREA_AM	Early Grass - Forb	13.14	104.55	325.01	834.92	2057.25	4294.88	9861.27	502
	Mid Grass - Shrub	35.89	120.70	283.55	495.15	1092.87	2661.63	5833.53	513
	Shrub - Grass	20.37	69.96	149.38	237.03	371.22	760.46	1571.04	291
GYRATE_AM	Early Grass - Forb	130.38	383.86	740.20	1265.30	2028.01	3757.52	6657.64	267
	Mid Grass - Shrub	265.42	455.74	735.24	1026.83	1556.15	2640.04	5069.08	213
	Shrub - Grass	210.94	361.54	550.67	707.98	865.73	1228.95	2054.27	123
SHAPE_MN	Early Grass - Forb	1.53	1.66	1.86	1.93	1.98	2.04	2.09	20
	Mid Grass - Shrub	1.68	1.82	1.90	1.95	1.99	2.05	2.09	12
	Shrub - Grass	1.83	1.89	1.93	1.96	1.98	2.01	2.07	6
SHAPE_AM	Early Grass - Forb	2.08	4.18	7.15	11.68	16.61	27.64	41.97	201
	Mid Grass - Shrub	3.21	4.61	7.30	9.95	13.54	21.58	30.54	171
	Shrub - Grass	3.01	4.51	6.14	7.31	8.80	12.05	17.46	103
CPLAND	Early Grass - Forb	0.09	0.29	0.82	1.20	1.67	2.37	2.89	174
	Mid Grass - Shrub	0.25	0.54	1.05	1.42	1.89	2.56	3.71	142
	Shrub - Grass	0.49	0.81	1.26	1.71	2.14	2.72	3.14	111
CORE_MN	Early Grass - Forb	2.17	4.31	6.98	9.12	11.89	15.86	28.73	127
	Mid Grass - Shrub	3.76	5.48	6.97	8.56	10.66	13.90	21.39	98
	Shrub - Grass	1.64	2.49	3.34	4.09	4.73	5.68	6.76	78
CORE_AM	Early Grass - Forb	9.64	84.10	252.33	676.03	1701.08	3775.44	8754.74	546
	Mid Grass - Shrub	33.29	108.64	267.31	477.91	1041.56	2536.28	5465.24	508
	Shrub - Grass	16.06	60.04	135.87	216.36	342.51	711.64	1443.53	301
CAI_MN	Early Grass - Forb	21.72	31.34	44.70	52.95	59.51	68.39	75.62	70
	Mid Grass - Shrub	50.97	59.13	68.89	75.51	79.88	83.76	86.88	33
	Shrub - Grass	28.10	41.05	51.77	57.54	64.50	74.40	86.91	58

CAI_AM	Early Grass - Forb	58.13	65.21	72.30	76.61	80.35	84.52	88.77	25
	Mid Grass - Shrub	74.63	79.99	86.09	89.58	91.68	93.89	95.20	16
	Shrub - Grass	48.52	65.56	72.84	76.90	81.10	86.46	92.19	27
PROX_MN	Early Grass - Forb	1.62	34.37	136.66	448.85	1122.55	3235.10	6999.09	713
	Mid Grass - Shrub	3.73	36.68	140.58	297.43	635.15	1515.66	3296.90	497
	Shrub - Grass	12.58	34.02	78.20	126.15	190.05	339.91	643.75	242
PROX_AM	Early Grass - Forb	1.99	37.22	210.34	667.52	1408.88	4958.53	16188.22	737
	Mid Grass - Shrub	3.70	68.95	257.16	580.56	1254.99	3019.97	12009.90	508
	Shrub - Grass	23.17	111.81	273.68	526.50	904.66	1537.28	3161.06	271
CWED	Early Grass - Forb	0.06	0.16	0.51	0.77	1.11	1.58	2.34	184
	Mid Grass - Shrub	0.11	0.28	0.50	0.68	0.94	1.28	1.85	148
	Shrub - Grass	0.51	0.92	1.21	1.50	1.81	2.13	2.46	81
TECI	Early Grass - Forb	14.11	16.10	17.91	19.42	20.94	22.42	24.33	33
	Mid Grass - Shrub	11.80	13.65	14.96	15.75	16.45	17.43	18.87	24
	Shrub - Grass	15.95	16.85	17.80	18.55	19.67	21.46	23.77	25
CLUMPY	Early Grass - Forb	0.78	0.81	0.83	0.84	0.85	0.87	0.89	7
	Mid Grass - Shrub	0.78	0.80	0.81	0.82	0.83	0.85	0.87	6
	Shrub - Grass	0.72	0.74	0.76	0.77	0.78	0.79	0.81	7
IJI	Early Grass - Forb	44.26	47.96	52.40	54.90	57.01	59.08	60.97	20
	Mid Grass - Shrub	42.95	46.39	49.55	51.85	53.73	56.99	60.12	20
	Shrub - Grass	42.02	46.05	49.26	51.07	52.61	54.84	57.37	17

¹CV = coefficient of variation in the simulated distribution, computed as the difference between the 5 and 95th percentiles divided by the median and multiplied by 100 to convert to a percentage. n/d = not defined (division by zero).

²Landscape 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.

³Landscape 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 = interspersed and juxtaposition index.