

Table. Range of variation in landscape structure for Pinyon-Juniper-Oak-Serviceberry Woodland under the simulated HRV disturbance scenario on the Uncompahgre Plateau Landscape.

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	Herb Dominated	0.00	0.00	0.07	0.20	0.50	1.13	2.06	565
	Herbs - Shrubs	0.23	0.51	0.91	1.21	1.65	2.23	3.56	142
	Shrubs - Trees	1.18	1.65	2.35	2.76	3.12	3.78	4.24	77
	Tree Dominated	0.00	0.06	0.33	0.72	1.05	1.64	2.05	218
<i>Class Configuration</i> ³									
PD	Herb Dominated	0.00	0.00	0.03	0.07	0.13	0.24	0.40	363
	Herbs - Shrubs	0.08	0.18	0.26	0.33	0.42	0.55	0.67	114
	Shrubs - Trees	0.37	0.45	0.57	0.66	0.74	0.82	0.94	56
	Tree Dominated	0.00	0.04	0.14	0.23	0.36	0.48	0.58	190
ED	Herb Dominated	0.00	0.00	0.36	0.92	2.04	4.17	6.20	452
	Herbs - Shrubs	0.98	2.31	3.80	4.87	6.54	8.81	12.21	133
	Shrubs - Trees	4.99	6.72	8.83	10.52	12.07	14.05	15.53	70
	Tree Dominated	0.02	0.32	1.48	3.07	4.70	6.84	8.10	213
AREA_MN	Herb Dominated	0.00	0.69	2.08	2.93	3.92	6.89	11.09	212
	Herbs - Shrubs	1.55	2.40	3.11	3.62	4.27	5.87	7.18	96
	Shrubs - Trees	2.37	3.17	3.77	4.13	4.58	5.19	6.38	49
	Tree Dominated	0.86	1.50	2.13	2.68	3.51	4.86	9.45	126
AREA_AM	Herb Dominated	0.00	0.72	6.86	26.24	67.94	475.62	1385.33	1810
	Herbs - Shrubs	5.44	20.02	49.13	86.48	250.28	794.97	1300.60	896
	Shrubs - Trees	21.45	66.00	114.21	229.46	353.83	731.16	879.54	290
	Tree Dominated	1.16	5.21	15.71	36.28	145.06	342.69	995.42	930
GYRATE_AM	Herb Dominated	0.00	35.07	125.57	233.66	364.74	923.06	2074.87	380
	Herbs - Shrubs	102.75	197.92	298.58	392.87	617.53	1280.32	1847.55	276
	Shrubs - Trees	187.60	332.66	421.98	584.80	746.48	1162.11	1330.65	142
	Tree Dominated	49.60	99.60	165.75	251.72	460.70	806.93	1632.49	281
SHAPE_MN	Herb Dominated	1.00	1.34	1.74	1.84	1.92	2.01	2.06	36
	Herbs - Shrubs	1.65	1.77	1.84	1.88	1.92	1.97	2.01	10
	Shrubs - Trees	1.78	1.83	1.87	1.91	1.94	1.99	2.03	9
	Tree Dominated	1.53	1.62	1.71	1.80	1.88	1.92	1.97	17
SHAPE_AM	Herb Dominated	1.00	1.35	2.43	3.52	4.82	8.94	15.75	216
	Herbs - Shrubs	2.10	3.15	4.20	5.00	6.57	10.31	14.20	143
	Shrubs - Trees	3.15	4.45	5.15	6.19	7.26	9.08	10.04	75
	Tree Dominated	1.58	2.12	2.79	3.70	5.27	7.88	11.01	155
CPLAND	Herb Dominated	0.00	0.00	0.03	0.11	0.30	0.79	1.45	708
	Herbs - Shrubs	0.17	0.42	0.75	1.01	1.42	1.98	3.14	155
	Shrubs - Trees	1.07	1.49	2.12	2.50	2.82	3.37	3.84	75
	Tree Dominated	0.00	0.04	0.24	0.57	0.83	1.26	1.70	216
CORE_MN	Herb Dominated	0.00	0.26	0.81	1.53	2.45	4.55	7.61	281

	Herbs - Shrubs	1.22	1.93	2.60	3.01	3.65	5.18	6.42	108
	Shrubs - Trees	2.11	2.83	3.38	3.72	4.15	4.77	5.86	52
	Tree Dominated	0.30	0.99	1.66	2.16	2.64	3.39	6.66	111
CORE_AM	Herb Dominated	0.00	0.28	4.08	17.48	53.34	355.30	1022.64	2031
	Herbs - Shrubs	4.23	16.74	43.06	76.92	243.40	744.99	1220.75	947
	Shrubs - Trees	19.51	61.47	107.48	217.48	342.67	689.78	840.42	289
	Tree Dominated	0.47	3.53	13.23	31.66	112.90	257.18	742.10	801
CAI_MN	Herb Dominated	0.00	18.76	28.18	36.61	44.51	63.23	91.67	121
	Herbs - Shrubs	59.87	68.00	72.87	76.22	79.00	82.70	85.20	19
	Shrubs - Trees	79.01	81.23	83.39	84.48	85.72	87.59	89.05	8
	Tree Dominated	21.84	46.37	60.91	70.80	77.05	83.50	90.29	52
CAI_AM	Herb Dominated	0.00	22.82	40.73	52.95	63.19	72.66	91.67	94
	Herbs - Shrubs	71.28	77.34	81.63	84.24	86.20	89.05	90.63	14
	Shrubs - Trees	85.43	87.87	89.36	90.19	91.02	92.59	93.86	5
	Tree Dominated	35.31	56.61	69.88	76.68	83.13	90.30	95.01	44
PROX_MN	Herb Dominated	0.00	0.00	7.67	21.03	49.42	227.56	765.08	1082
	Herbs - Shrubs	2.66	13.04	32.75	48.84	89.28	268.93	473.77	524
	Shrubs - Trees	17.99	36.78	62.60	93.52	129.87	207.25	314.55	182
	Tree Dominated	0.21	2.93	10.84	23.72	50.48	135.57	259.68	559
PROX_AM	Herb Dominated	0.00	0.00	12.92	49.43	125.48	722.62	3616.23	1462
	Herbs - Shrubs	5.01	36.46	83.77	143.76	363.33	1234.09	2779.48	833
	Shrubs - Trees	39.38	104.33	200.92	432.30	773.00	1506.31	2453.72	324
	Tree Dominated	0.22	4.42	29.02	65.70	155.63	566.65	1507.53	856
CWED	Herb Dominated	0.00	0.00	0.10	0.21	0.41	0.71	1.24	335
	Herbs - Shrubs	0.16	0.32	0.54	0.67	0.86	1.09	1.50	116
	Shrubs - Trees	0.55	0.76	0.96	1.10	1.26	1.44	1.65	62
	Tree Dominated	0.01	0.07	0.32	0.51	0.76	1.11	1.28	202
TECI	Herb Dominated	9.81	12.72	19.89	23.60	26.77	30.38	41.00	75
	Herbs - Shrubs	7.33	9.70	12.03	13.79	15.44	17.52	19.96	57
	Shrubs - Trees	6.37	7.83	9.39	10.57	12.13	14.23	15.93	61
	Tree Dominated	7.94	9.54	14.23	19.45	23.32	27.86	33.27	94
CLUMPY	Herb Dominated	0.61	0.66	0.70	0.73	0.75	0.82	1.00	23
	Herbs - Shrubs	0.66	0.70	0.72	0.74	0.76	0.80	0.82	13
	Shrubs - Trees	0.70	0.72	0.74	0.75	0.77	0.79	0.81	9
	Tree Dominated	0.59	0.66	0.69	0.71	0.76	0.79	0.82	19
IJI	Herb Dominated	6.75	32.86	50.87	55.69	59.24	62.87	66.70	54
	Herbs - Shrubs	42.92	49.50	54.36	57.84	59.94	62.21	65.09	22
	Shrubs - Trees	36.50	42.77	48.61	51.82	54.45	57.68	60.22	29
	Tree Dominated	33.95	39.13	46.02	49.42	52.80	57.26	61.27	37

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.