

Table. Range of variation in landscape structure for Pinyon-Juniper Woodland 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	Herb Dominated	0.00	0.00	0.15	0.61	1.29	3.64	7.67	592
	Herbs - Shrubs	0.46	1.40	2.53	3.69	5.09	7.56	11.07	167
	Shrubs - Trees	4.17	6.55	10.03	12.13	14.08	17.29	18.78	89
	Tree Dominated	0.01	0.17	1.72	4.36	5.86	10.10	11.55	228
<i>Class Configuration</i> ³									
PD	Herb Dominated	0.00	0.00	0.05	0.10	0.15	0.25	0.34	236
	Herbs - Shrubs	0.15	0.26	0.37	0.49	0.70	0.93	1.18	136
	Shrubs - Trees	0.62	0.73	0.82	0.90	0.99	1.14	1.22	46
	Tree Dominated	0.01	0.10	0.37	0.52	0.66	0.85	1.15	143
ED	Herb Dominated	0.00	0.00	0.66	2.00	3.52	8.11	14.89	406
	Herbs - Shrubs	1.84	4.52	7.94	10.99	13.84	19.19	23.21	134
	Shrubs - Trees	15.46	19.43	24.39	27.60	30.64	34.38	39.28	54
	Tree Dominated	0.09	0.86	6.30	11.54	15.26	24.34	27.12	204
AREA_MN	Herb Dominated	0.58	0.78	2.43	5.35	9.30	18.33	30.52	328
	Herbs - Shrubs	2.50	3.44	5.25	6.68	9.25	14.99	20.62	173
	Shrubs - Trees	4.16	6.49	10.45	13.77	16.56	21.31	25.01	108
	Tree Dominated	0.83	1.45	3.24	7.87	11.66	15.25	18.51	175
AREA_AM	Herb Dominated	0.58	0.83	9.77	122.11	1075.57	7672.04	27300.53	6282
	Herbs - Shrubs	20.22	95.95	444.72	1347.01	3640.89	13997.46	25703.90	1032
	Shrubs - Trees	357.07	1305.38	6304.13	12476.59	19533.70	27880.13	34278.29	213
	Tree Dominated	1.16	11.05	348.65	3054.69	7293.60	14383.58	22635.41	471
GYRATE_AM	Herb Dominated	27.48	36.02	153.89	513.74	1472.60	4053.41	7795.06	782
	Herbs - Shrubs	199.87	389.14	862.13	1502.29	2678.92	5252.14	7352.89	324
	Shrubs - Trees	602.60	1394.62	3511.26	5260.15	7019.62	9023.17	10860.37	145
	Tree Dominated	49.01	132.45	786.51	2413.26	4110.16	6656.26	9310.66	270
SHAPE_MN	Herb Dominated	1.00	1.15	1.75	1.86	1.93	1.99	2.10	45
	Herbs - Shrubs	1.71	1.80	1.83	1.86	1.89	1.94	2.00	8
	Shrubs - Trees	1.79	1.83	1.86	1.89	1.91	1.95	2.02	7
	Tree Dominated	1.47	1.61	1.74	1.79	1.83	1.89	1.94	15
SHAPE_AM	Herb Dominated	1.00	1.14	2.64	5.32	10.96	30.69	51.79	555
	Herbs - Shrubs	2.81	4.52	7.44	12.17	20.62	38.59	45.82	280
	Shrubs - Trees	6.05	11.95	25.63	35.91	45.22	57.92	68.03	128
	Tree Dominated	1.63	2.34	6.89	21.48	32.91	47.32	64.34	209
CPLAND	Herb Dominated	0.00	0.00	0.08	0.44	0.99	3.13	6.38	713
	Herbs - Shrubs	0.32	1.14	2.17	3.27	4.61	6.90	9.93	176
	Shrubs - Trees	3.85	6.00	9.28	11.27	13.15	16.18	17.48	90
	Tree Dominated	0.01	0.14	1.51	3.87	5.13	8.93	10.22	227
CORE_MN	Herb Dominated	0.01	0.44	1.15	3.74	7.59	14.87	25.82	386

	Herbs - Shrubs	2.11	3.00	4.52	5.94	8.26	13.64	19.01	179
	Shrubs - Trees	3.84	6.01	9.72	12.83	15.43	19.86	23.48	108
	Tree Dominated	0.62	1.17	2.73	7.00	10.29	13.40	16.46	175
CORE_AM	Herb Dominated	0.01	0.54	6.02	97.50	908.66	6289.56	23968.50	6450
	Herbs - Shrubs	14.89	85.51	414.67	1283.16	3478.25	13289.40	23705.65	1029
	Shrubs - Trees	337.70	1249.78	6056.54	11884.67	18527.28	26404.01	32499.58	212
	Tree Dominated	1.07	9.65	330.54	2825.76	6516.99	12729.83	19974.20	450
CAI_MN	Herb Dominated	2.00	30.78	42.57	48.41	55.13	63.36	92.50	67
	Herbs - Shrubs	58.78	65.64	70.36	75.79	80.46	84.82	89.53	25
	Shrubs - Trees	74.83	77.79	80.60	82.66	84.76	87.26	89.56	11
	Tree Dominated	57.87	66.51	72.50	77.83	81.63	87.91	97.58	27
CAI_AM	Herb Dominated	2.04	37.38	56.59	70.96	79.01	86.60	91.89	69
	Herbs - Shrubs	70.12	81.79	86.53	88.58	90.16	91.80	93.68	11
	Shrubs - Trees	91.00	92.01	92.72	93.15	93.47	93.90	94.57	2
	Tree Dominated	66.50	77.22	84.03	88.33	90.94	92.50	98.74	17
PROX_MN	Herb Dominated	0.00	0.00	10.69	64.31	409.73	4615.19	17572.78	7177
	Herbs - Shrubs	10.99	36.58	125.21	382.88	1268.18	5861.11	11160.02	1521
	Shrubs - Trees	91.08	417.33	2777.14	6024.80	10392.14	18029.31	27285.44	292
	Tree Dominated	0.44	4.21	68.63	1134.66	3233.62	7196.40	14900.74	634
PROX_AM	Herb Dominated	0.00	0.00	20.39	151.25	708.20	5127.22	22441.77	3390
	Herbs - Shrubs	26.84	108.95	427.52	1075.15	2519.22	7944.21	31537.84	729
	Shrubs - Trees	215.55	1315.61	4991.55	10421.54	16222.01	34718.50	49507.25	321
	Tree Dominated	0.43	9.70	275.43	3723.63	6478.11	18677.39	52490.92	501
CWED	Herb Dominated	0.00	0.00	0.16	0.39	0.65	1.32	2.65	342
	Herbs - Shrubs	0.33	0.63	0.94	1.21	1.56	2.01	2.81	114
	Shrubs - Trees	1.68	2.31	2.71	3.11	3.48	4.04	4.85	56
	Tree Dominated	0.02	0.20	1.24	1.99	2.87	4.21	4.77	202
TECI	Herb Dominated	10.00	12.33	17.50	20.15	24.42	29.75	34.68	86
	Herbs - Shrubs	4.99	7.78	9.93	11.67	13.87	15.96	18.55	70
	Shrubs - Trees	6.85	8.17	9.96	11.49	13.07	15.23	16.46	61
	Tree Dominated	12.48	14.05	16.57	18.95	20.78	22.91	27.09	47
CLUMPY	Herb Dominated	0.54	0.67	0.74	0.79	0.83	0.87	0.89	26
	Herbs - Shrubs	0.70	0.74	0.79	0.81	0.83	0.86	0.88	14
	Shrubs - Trees	0.76	0.79	0.82	0.84	0.85	0.86	0.87	8
	Tree Dominated	0.56	0.65	0.76	0.82	0.83	0.85	0.88	25
IJI	Herb Dominated	14.74	36.50	58.21	62.80	65.43	68.91	71.31	52
	Herbs - Shrubs	40.48	54.05	59.42	62.05	64.66	68.25	70.79	23
	Shrubs - Trees	48.23	52.10	54.65	56.60	58.28	60.27	62.62	14
	Tree Dominated	17.96	35.65	44.41	48.41	52.00	55.80	68.73	42

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 = interspersions and juxtaposition index.