

Table 1. Parameters affecting the habitat suitability index (HSI) and spatial distributions of herbivores. * denotes x,y pairs defining a function. Effect functions are unitless multipliers, and may be >1, since the HSI's are normalized amongst grid-cells (HSI's are rescaled so the sum of all HSI's equals 1). NU-not used. Effects of elevation, distance to water, temperature, energy intake rate, dead herbaceous biomass, and thicket cover were not used.

Parameter	Elk	Bison
Effect of tree cover	NU	0.05,1.,0.5,0
Effect of slope (degrees)*	15,1, 30,0.7, 45,0	0.,1.,25.,0.5,50.,0.
Effect of snow depth (cm)*	10,1, 50,0.01	50.,1.,150.,0.1,200.,0.01
Effect of green herbaceous layer biomass*	5,0.01, 100,10	5,0.1, 100,0.5
Maximum Density (animals km ⁻²), by month	90,90,90,90,90,90, 90,90,90,90,90,90	90,90,90,90,150,300,300,300,20 0,150.,90,90.
Minimum Density (animals km ⁻²), by month	5,5,5,5,5,10,10,5,5	5,5,5,5,5,10,10,5,5
Effect of snow depth (cm) on emmigration	NU	60.,0.,70.,0.5
Effect of crust on emmigration	NU	0.,0.,1.,0.5

Table 2. Simulated grazing responses of aboveground net primary production (ANPP), offtake (OFFT), grass, forb and total biomass, nitrogen uptake, net nitrogen mineralization from litter, and nitrogen returned to soil in animal excreta. AUM is total animal unit months per km², where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Dry Grassland - Upper Northern Winter Range - Winter Elk, Year-long Bison									
Bison per km²	Elk per km²	AUM	ANPP g/m²/yr	OFFT g/m²/yr	Grass g/m²	Forb g/m²	Total g/m²	Net N Minerl. g/m²/yr	Animal N Return g/m²/yr
0	0	0	75	0	39	23	62	4.61	0
1.6	16	67	80	11	39	23	63	4.61	0.11
3.3	33	138	83	20	40	22	63	4.61	0.22
5	50	210	86	27	40	23	62	4.62	0.31
6.6	66	277	87	33	39	23	62	4.59	0.37
8.3	83	348	91	39	40	23	63	4.63	0.44
10	100	420	91	44	39	23	62	4.58	0.49
11.7	117	491	93	47	39	23	62	4.6	0.54
13.4	134	563	94	50	38	23	62	4.61	0.58
Dry Grassland - Upper Northern Winter Range - Year-long Elk and Bison									
Bison per km²	Elk per km²	AUM	ANPP g/m²/yr	OFFT g/m²/yr	Grass g/m²	Forb g/m²	Total g/m²	Net N Minerl. g/m²/yr	Animal N Return g/m²/yr
0	0	0	88	0	39	23	62	4.61	0
1.6	16	115	89	26	37	23	60	4.63	0.33
3.3	33	237	89	42	25	25	50	4.45	0.59
5	50	360	86	44	49	25	44	4.34	0.65
6.6	66	475	80	46	13	25	38	4.14	0.72
8.3	83	597	69	44	8	21	29	3.77	0.74
10	100	720	29	23	0.3	6	6.3	1.89	0.45

Table 3. Simulated grazing responses of belowground net primary production (BNPP), total root biomass, and soil organic matter (SOM) in the microbial (SOM1), intermediate (SOM2), and slow (SOM3) turnover pools. AUM is total animal unit months per km², where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Dry Grassland - Upper Northern Winter Range - Winter Elk, Year-long Bison							
Bison per km²	Elk per km²	AUM	BNPP g/m²/yr	Roots g/m²	SOM1 gC/m²	SOM2 gC/m²	SOM3 gC/m²
0	0	0	88	122	88	2815	2594
1.6	16	67	89	123	89	2839	2595
3.3	33	138	90	124	89	2851	2596
5	50	210	89	124	88	2859	2596
6.6	66	277	89	123	88	2853	2596
8.3	83	348	90	125	89	2873	2596
10	100	420	89	123	87	2853	2596
11.7	117	493	89	124	87	2861	2596
13.4	134	564	89	124	77	2880	2597
Dry Grassland - Upper Northern Winter Range - Year-long Elk and Bison							
Bison per km²	Elk per km²	AUM	BNPP g/m²/yr	Roots g/m²	SOM1 gC/m²	SOM2 gC/m²	SOM3 gC/m²
0	0	0	88	122	88	2815	2594
1.6	16	115	86	121	88	2849	2594
3.3	33	237	77	111	80	2736	2590
5	50	360	72	105	75	2663	2587
6.6	66	475	65	96	57	2535	2582
8.3	83	597	54	81	56	2318	2573
10	100	720	19	33	14	989	1166

Table 4. Simulated grazing responses of aboveground net primary production (ANPP), offtake (OFFT), grass, forb and total biomass, nitrogen uptake, net nitrogen mineralization from litter, and nitrogen returned to soil in animal excreta. AUM is total animal unit months per km2, where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Moist Grassland - Upper Northern Winter Range - Winter Elk, Year-long Bison									
Bison per km2	Elk per km2	AUM	ANPP g/m2/yr	OFFT g/m2/yr	Grass g/m2	Forb g/m2	Total g/m2	Net N Minerl. g/m2/yr	Animal N Return g/m2/yr
0	0	0	97	0	52	28	80	5.51	0
1.6	16	67	101	12	52	28	80	5.5	0.13
3.3	33	138	106	23	54	28	82	5.5	0.25
5	50	210	110	33	54	28	82	5.48	0.36
6.6	66	277	112	41	53	29	82	5.41	0.44
8.3	83	348	115	48	53	29	82	5.38	0.51
10	100	420	118	56	54	29	83	5.38	0.58
11.7	117	493	121	61	53	29	82	5.33	0.63
13.4	134	564	122	65	53	29	82	5.34	0.68
Moist Grassland - Upper Northern Winter Range - Year-long Elk, Year-long Bison									
Bison per km2	Elk per km2	AUM	ANPP g/m2/yr	OFFT g/m2/yr	Grass g/m2	Forb g/m2	Total g/m2	Net N Minerl. g/m2/yr	Animal N Return g/m2/yr
0	0	0	97	0	52	28	80	5.51	0
1.6	16	115	112	28	50	29	70	5.53	0.37
3.3	33	237	106	56	26	33	59	5.33	0.67
5	50	360	73	50	7	29	36	4.46	0.75
6.6	66	475	49	39	1	21	22	3.68	0.72
8.3	83	597	43	37	0.2	15	15	3.4	0.72
10	100	720	40	36	0.1	12	12	3.75	0.73

Table 5. Simulated grazing responses of belowground net primary production (BNPP), total root biomass, and soil organic matter (SOM) in the microbial (SOM1), intermediate (SOM2), and slow (SOM3) turnover pools. AUM is total animal unit months per km², where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Moist Grassland - Upper Northern Winter Range - Winter Elk, Year-long Bison							
Bison per km²	Elk per km²	AUM	BNPP g/m²/yr	Roots g/m²	SOM1 gC/m²	SOM2 gC/m²	SOM3 gC/m²
0	0	0	114	158	148	4515	2920
1.6	16	67	114	158	152	4593	2921
3.3	33	138	116	162	153	4638	2922
5	50	210	116	163	152	4647	2923
6.6	66	277	116	163	149	4604	2922
8.3	83	348	116	163	147	4618	2923
10	100	420	118	166	149	4656	2984
11.7	117	493	117	166	148	4621	2924
13.4	134	564	117	166	148	4667	2925
Moist Grassland - Upper Northern Winter Range - Year-long Elk, Year-long Bison							
Bison per km²	Elk per km²	AUM	BNPP g/m²/yr	Roots g/m²	SOM1 gC/m²	SOM2 gC/m²	SOM3 gC/m²
0	0	0	114	158	148	4515	2920
1.6	16	115	112	158	153	4597	2921
3.3	33	237	94	137	134	4414	2915
5	50	360	60	90	99	3958	2904
6.6	66	475	39	59	70	3357	2887
8.3	83	597	33	52	62	3082	2889
10	100	720	29	48	57	2966	2875

Table 6. Simulated grazing responses of aboveground net primary production (ANPP), offtake (OFFT), grass, forb and total biomass, nitrogen uptake, net nitrogen mineralization from litter, and nitrogen returned to soil in animal excreta. AUM is total animal unit months per km², where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Moist Sage Grasslands - Hayden Valley - Yearlong Bison, Summer Elk									
Bison per km²	Elk per km²	AUM	ANPP g/m²/yr	OFFT g/m²/yr	Grass g/m²	Forb g/m²	Total g/m²	Net N Minerl. g/m²/yr	Animal N Return g/m²/yr
0	0	0	117	0	67	33	98	5.86	0
5	1	62	125	14	66	34	97	5.88	0.15
10	2	124	132	27	65	34	96	5.87	0.3
16	3.2	198	142	43	65	34	96	5.88	0.48
21	4.2	260	141	54	62	34	93	5.81	0.6
26	5.2	322	137	61	56	35	88	5.7	0.7
32	6.4	397	131	67	48	35	81	5.55	0.8
48	9.6	595	109	70	20	36	57	5	0.97
64	12.8	794	56	40	1	27	28	3.53	0.69
Thermally Warmed Grasslands - Firehole - Yearlong Bison, Summer Elk									
Bison per km²	Elk per km²	AUM	ANPP g/m²/yr	OFFT g/m²/yr	Grass g/m²	Forb g/m²	Total g/m²	Net N Minerl. g/m²/yr	Animal N Return g/m²/yr
0	0	0	88	0	52	33	85	4.78	0
5	1.7	63	97	12	53	32	85	4.84	0.12
10	3.3	126	105	24	53	32	85	4.88	0.25
16	5.3	202	114	37	52	32	85	4.92	0.39
21	7.0	266	122	48	52	32	84	4.94	0.51
26	8.7	329	124	56	50	32	82	4.89	0.6
32	10.7	405	118	57	40	34	74	4.67	0.66
48	16.0	608	95	57	12	36	48	4	0.76
64	21.3	811	54	37	0.2	25	25	2.71	0.62

Table 7. Simulated grazing responses of belowground net primary production (BNPP), total root biomass, and soil organic matter (SOM) in the microbial (SOM1), intermediate (SOM2), and slow (SOM3) turnover pools. AUM is total animal unit months per km², where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Moist Sage Grasslands - Hayden Valley - Yearlong Bison, Summer Elk							
Bison per km²	Elk per km²	AUM	BNPP g/m²/yr	Roots g/m²	SOM1 gC/m²	SOM2 gC/m²	SOM3 gC/m²
0	0	0	137	193	226	5478	2812
5	1	62	137	192	231	5552	2812
10	2	124	136	192	235	5600	2813
16	3.2	198	136	193	241	5659	2813
21	4.2	260	133	189	235	5632	2819
26	5.2	322	127	182	226	5556	2811
32	6.4	397	120	174	212	5469	2809
48	9.6	595	93	139	171	5118	2802
64	12.8	794	45	69	87	4030	2776
Thermally Warmed Grasslands - Firehole - Yearlong Bison, Summer Elk							
Bison per km²	Elk per km²	AUM	BNPP g/m²/yr	Roots g/m²	SOM1 gC/m²	SOM2 gC/m²	SOM3 gC/m²
0	0	0	120	169	92	2752	1222
5	1.7	63	121	170	85	2838	1223
10	3.3	126	121	170	98	2889	1224
16	5.3	202	121	171	102	2951	1225
21	7.0	266	121	172	104	2992	1225
26	8.7	329	119	168	103	2985	1225
32	10.7	405	109	158	94	2883	1223
48	16.0	608	81	120	69	2581	1216
64	21.3	811	42	65	36	1871	1200

Table 8. Simulated grazing responses of aboveground net primary production (ANPP), offtake (OFFT), grass, forb and total biomass, nitrogen uptake, net nitrogen mineralization from litter, and nitrogen returned to soil in animal excreta. AUM is total animal unit months per km2, where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Dry Grasslands - Northern Range - Yearlong Bison, Winter Elk									
Bison per km2	Elk per km2	AUM	ANPP g/m2/yr	OFFT g/m2/yr	Grass g/m2	Forb g/m2	Total g/m2	Net N Minerl. g/m2/yr	Animal N Return g/m2/yr
5	33	159	85	23	39	23	62	4.65	0.33
10	33	219	89	30	39	23	62	4.65	0.78
20	33	339	93	42	35	23	59	4.6	0.48
25	33	399	93	42	35	23	59	4.6	0.46
30	33	459	91	44	30	25	55	4.52	0.51
35	33	519	87	46	25	26	50	4.44	0.56
40	33	579	86	48	19	26	46	4.35	0.6
45	33	639	83	50	15	28	42	4.29	0.65
Moist Grasslands - Northern Range - Yearlong Bison, Winter Elk									
Bison per km2	Elk per km2	AUM	ANPP g/m2/yr	OFFT g/m2/yr	Grass g/m2	Forb g/m2	Total g/m2	Net N Minerl. g/m2/yr	Animal N Return g/m2/yr
5	33	159	108	27	53	28	82	5.48	0.29
10	33	219	115	37	53	29	82	5.49	0.4
20	33	339	120	45	48	30	78	5.5	0.62
25	33	399	121	53	48	30	79	5.51	0.59
30	33	459	117	56	42	31	74	5.48	0.64
35	33	519	113	59	35	32	67	5.41	0.7
40	33	579	107	60	27	33	61	5.32	0.75
45	33	639	101	60	20	34	54	5.16	0.78
Sedge Meadows - Northern Range - Yearlong Bison, Winter Elk									
Bison per km2	Elk per km2	AUM	ANPP g/m2/yr	OFFT g/m2/yr	Sedge g/m2	Forb g/m2	Total g/m2	Net N Minerl. g/m2/yr	Animal N Return g/m2/yr
10	10	150	269	48	200	0	200	6.85	0.81
20	10	270	281	84	191	0	191	6.85	0.81
30	10	390	294	118	182	0	182	6.83	1.17
40	10	510	296	147	176	0	176	6.91	1.49
50	10	630	294	171	158	0	158	7.05	1.78
60	10	750	291	188	134	0	134	7.26	2.02
70	10	870	286	200	110	0	110	7.61	2.2
80	10	990	281	208	90	0	90	8.15	2.34
90	10	1110	274	211	75	0	75	8.61	2.45

Table 9. Simulated grazing responses of aboveground net primary production (ANPP), offtake (OFFT), grass, forb and total biomass, nitrogen uptake, net nitrogen mineralization from litter, and nitrogen returned to soil in animal excreta. AUM is total animal unit months per km², where one AU is one average bison of 410kg and an average elk is equivalent to 0.5 of a bison.

Moist Sage Grasslands - Hayden Valley - Yearlong Bison, Summer Elk									
Bison per km²	Elk per km²	AUM	ANPP g/m²/yr	OFFT g/m²/yr	Grass g/m²	Forb g/m²	Total g/m²	Net N Minerl. g/m²/yr	Animal N Return g/m²/yr
5	6.4	73	128	18	65	34	96	5.87	0.22
10	6.4	133	135	30	65	34	96	5.88	0.36
16	6.4	205	140	45	63	34	94	5.84	0.51
21	6.4	265	140	54	60	34	91	5.48	0.32
26	6.4	325	135	61	55	34	87	5.65	0.7
32	6.4	396	131	67	48	35	80	5.54	0.79
48	6.4	589	112	71	24	36	59	5.07	0.96
64	6.4	781	65	47	3	31	33	3.85	0.76
80	6.4	972	54	39	1	26	26	3.27	0.64
87	6.4	1057	52	39	1	24	25	3.17	0.64
Thermally Warmed Grasslands - Firehole - Yearlong Bison, Summer Elk									
Bison per km²	Elk per km²	AUM	ANPP g/m²/yr	OFFT g/m²/yr	Grass g/m²	Forb g/m²	Total g/m²	Net N Minerl. g/m²/yr	Animal N Return g/m²/yr
5	6.4	73	100	17	51	32	84	4.88	0.19
10	6.4	133	108	28	52	32	84	4.88	0.3
20	6.4	253	122	48	52	32	84	4.94	0.51
30	6.4	373	120	58	44	33	77	4.74	0.64
40	6.4	493	110	60	26	36	62	4.46	0.72
50	6.4	613	96	57	13	36	49	4.02	0.76
60	6.4	733	69	45	3	32	34	3.23	0.67
70	6.4	853	55	38	0.1	26	26	2.7	0.62
80	6.4	973	51	37	0.1	22	22	2.49	0.61
90	6.4	1093	49	37	0.1	20	20	2.42	0.61

Table 10. Ratio of August annual aboveground net primary production (ANPP) and live root biomass in the control run to that in a run with no herbivores.

Habitat	Area	Predom- inant Habitat Types	ANPP g/m2		Roots g/m2	
			1969-1981	1982-2001	1969-1981	1982-2001
Dry Grasslands, Sagebrush Grasslands	Lower Northern Winter Range	tf,tfg	1.03	1.03	0.97	0.97
	Upper Northern Winter Range	tf,fa	1.05	1.03	0.96	0.95
	Hayden Valley	tf	1.0	1.03	0.96	0.95
	Firehole/West	tf,fa	0.97	0.95	0.97	0.95
Moist Sagebrush Grasslands	Upper Northern Winter Range	fng	1.0	0.96	0.97	0.93
	Hayden Valley	tfg,kf	1.07	1.08	0.96	0.93
	Pelican Valley	kf	1.13	1.13	1.0	0.97
Deschampsia Meadows	Upper Northern Winter Range	dw	1.21	1.27	1.0	1.02
	Hayden Valley	dw	1.24	1.29	1.07	1.05
	Firehole/West	dw	1.0	1.02	0.91	0.91
Sedge Meadows	Upper Northern Winter Range	ww	1.2	1.24	0.97	0.99
	Hayden Valley	ww	1.14	1.16	0.96	0.98
	Firehole/West	ww	1.02	1.17	0.97	1.02
Thermal Areas	Firehole	hs	1.16	1.26	1.0	1.0
	Hayden Valley	hs	1.17	1.19	0.99	0.97
	Pelican Valley	hs	1.47	1.43	0.99	0.98
High Meadows	Mirror Plateau	fa,fn,fng	1.03	1.02	0.99	0.98
Alpine Tundra	East	at	0.96	0.95	0.94	0.89

Table 11. Simulated bison densities (number per km2) in different areas in different months of the year, with 1000 bison in the northern herd and 2000 bison in the central herd.

Herd	Vegetation, Location	Density - Bison per km2					
		Febru-ary	April	June	August	October	Decem-ber
North-ern	Dry Grasslands, Lower Northern Range - 123 km2	0.5	0.8	0	0	0	0.1
	Dry Grasslands, Upper Northern Range - 60 km2	1.3	0.7	1.0	0.2	2.0	2.2
	Moist Grasslands, Upper Northern Range - 47 km2	1.2	0.6	0.6	1.0	1.1	2.2
	Deschampsia Meadows, Upper Northern Range - 9 km2	3.9	1.8	12.8	10.3	5.0	5.5
	Sedge meadows, Upper Northern Range - 5 km2	15.6	20.0	36.7	43.9	56.3	16.6
	High Meadows, Mirror Plateau - 26 km2	0.2	<0.1	<0.1	4.9	3.5	0.8
Cent-ral	Dry Grasslands, Hayden Valley - 1 km2	0	0	0	0	0	0.8
	Dry Grasslands, West Side - 28 km2	0	0	0	0	0	0
	Moist Sagebrush Grasslands, Hayden Valley - 65 km2	2.6	1.4	0.7	16.8	4.8	6.7
	Moist Sagebrush Grasslands, Pelican Valley - 18 km2	4.9	3.1	5.7	0	4.1	8.1
	Deschampsia Meadows, Hayden Valley - 2 km2	3.2	1.6	2.8	27.4	9.4	8.9
	Deschampsia Meadows, Firehole and West Side - 13 km2	6.3	6.5	6.7	3.0	0.6	5.1
	Sedge meadows, Hayden Valley - 4 km2	6.7	5.6	22.4	31.3	31.9	10.8
	Sedge meadows, Firehole and West Side - 3 km2	7.8	9.4	30.1	12.9	25.6	9.0
	Hot Springs Vegetation, Firehole - 47 km2	21.6	24.5	11.0	2.1	0.2	11.5
	Hot Springs Vegetation, Hayden Valley - 8 km2	0	1.2	0	0	0	0
	Hot Springs Vegetation, Pelican Valley - 7 km2	14.7	21.9	0	0	0	4.3

Table 12. Simulated bison densities (number per km2) in different areas in different months of the year, with 3000 bison in the northern herd and 5000 bison in the central herd.

Herd	Vegetation, Location	Density - Bison per km2					
		Febru- ary	April	June	August	October	Decem-ber
North- ern	Dry Grasslands, Lower Northern Range - 123 km2	2.6	3.6	0	0	0	1.5
	Dry Grasslands, Upper Northern Range - 60 km2	4.7	3.3	5.8	3.1	4.4	7.2
	Moist Grasslands, Upper Northern Range - 47 km2	3.9	2.7	4.2	5.2	5.74	6.3
	Deschampsia Meadows, Upper Northern Range - 9 km2	7.4	3.5	20.6	17.0	13.0	13.1
	Sedge meadows, Upper Northern Range - 5 km2	16.7	30.8	64.1	62.6	55.9	17.8
	High Meadows, Mirror Plateau - 26 km2	0.7	0.1	0.9	17.4	11.4	1.9
Cent- ral	Dry Grasslands, Hayden Valley - 1 km2	5.4	4.6	3.3	19.4	9.1	11.8
	Dry Grasslands, West Side - 28 km2	3.7	1.4	0.5	0.1	0.1	0.5
	Moist Sagebrush Grasslands, Hayden Valley - 65 km2	6.5	4.7	5.6	28.5	12.2	12.9
	Moist Sagebrush Grasslands, Pelican Valley - 18 km2	12.2	10.9	7.4	0	17.9	16.3
	Deschampsia Meadows, Hayden Valley - 2 km2	7.8	6.1	8.7	51.1	14.5	14.5
	Deschampsia Meadows, Firehole and West Side - 13 km2	12.1	13.7	14.9	6.1	4.8	10.1
	Sedge meadows, Hayden Valley - 4 km2	10.2	10.5	42.2	66.1	32.4	13.3
	Sedge meadows, Firehole and West Side - 3 km2	13.8	18.7	62.2	29.2	43.2	14.4
	Hot Springs Vegetation, Firehole - 47 km2	34.5	37.6	22.7	21.2	5.9	21.3
	Hot Springs Vegetation, Hayden Valley - 8 km2	6.2	13.3	0	0	0	0.6
	Hot Springs Vegetation, Pelican Valley - 7 km2	25.5	33.2	1.6	0	3.96	14.0

Table 13. Simulated bison densities (number per km2) in different areas in different months of the year, with 4000 bison in the northern herd and 7000 bison in the central herd.

Herd	Vegetation, Location	Density - Bison per km2					
		Febru-ary	April	June	August	October	Decem-ber
North-ern	Dry Grasslands, Lower Northern Range - 123 km2	3.5	5.0	0	0	0	3.0
	Dry Grasslands, Upper Northern Range - 60 km2	5.8	4.8	7.7	5.2	6.9	8.7
	Moist Grasslands, Upper Northern Range - 47 km2	4.8	3.9	6.2	7.7	7.3	7.5
	Deschampsia Meadows, Upper Northern Range - 9 km2	8.0	4.5	23.8	17.3	15.3	14.1
	Sedge meadows, Upper Northern Range - 5 km2	18.5	32.3	75.8	66.6	54.6	20.0
	High Meadows, Mirror Plateau - 26 km2	1.4	0.5	1.5	22.8	13.2	2.7
Cent-ral	Dry Grasslands, Hayden Valley - 1 km2	6.4	5.9	6.3	33.1	14.4	15.1
	Dry Grasslands, West Side - 28 km2	2.4	4.5	17.6	1.2	0.5	1.2
	Moist Sagebrush Grasslands, Hayden Valley - 65 km2	5.8	5.0	7.6	49.6	14.5	12.2
	Moist Sagebrush Grasslands, Pelican Valley - 18 km2	12.3	11.3	11.1	0	24.3	19.2
	Deschampsia Meadows, Hayden Valley - 2 km2	8.0	7.3	11.7	63.1	18.5	16.8
	Deschampsia Meadows, Firehole and West Side - 13 km2	14.2	17.8	19.2	7.9	7.6	13.5
	Sedge meadows, Hayden Valley - 4 km2	10.9	12.2	55.0	81.7	28.5	15.0
	Sedge meadows, Firehole and West Side - 3 km2	14.8	22.4	86.4	38.1	44.1	16.9
	Hot Springs Vegetation, Firehole - 47 km2	34.0	40.0	27.2	29.6	9.5	24.2
	Hot Springs Vegetation, Hayden Valley - 8 km2	10.9	20.5	0	0	0	3.7
	Hot Springs Vegetation, Pelican Valley - 7 km2	29.2	39.1	5.5	0	9.0	18.6