

Wet-mesic sand prairie

Summary of 4 Sites N = 135 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness	
426	B	7.222	16.624	975.000	.000	80.000	40	.895	3.303	9.75	
504	B	7.234	11.457	976.610	.000	56.670	69	.917	3.885	9.77	
461	A	6.469	11.632	873.310	.000	50.000	58	.910	3.695	8.77	
497	A	7.136	11.527	963.330	.000	60.000	67	.922	3.879	9.60	
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AVRS:	B	7.228						54.5	.906	3.594	9.76
± se	A	6.8025						62.5	.916	3.787	9.185

S = Total Native Species Sampled

E = Evenness = H / ln (S)

H = Diversity = - sum (Pi\*ln(Pi)), where Pi = importance probability in element i (element i relativized by row total)

Summary of stand structure

Components	Relative Frequency
Native graminoid	23.98
Native forbs	69.82
Native woody	2.86
Alien species	3.03

**Dominant (> = 10 % Frequency) native graminoid species**

Species	Abbreviation	Frequency
Calamagrostis canadensis	Calcan	48.75
Carex sp.	Carsp.	32.50
Panicum lanuginosum	Panlan	20.00
Sorghastrum nutans	Sornut	20.00
Andropogon gerardii	Andger	15.83
Carex stricta?	Carstr	13.75
Andropogon scoparius	Andsco	13.33
Spartina pectinata	Spapec	12.50

**Dominant (> = 10 % Frequency) native forb species**

Species	Abbreviation	Frequency
Solidago gigantea	Solgig	38.33
Solidago gymnospermoides	Solgym	36.25
Pycnanthemum virginianum	Pycvir	31.25
Phlox glaberrima var. interior	Phlgla int	27.92
Fragaria virginiana	Fravir	26.25
Senecio pauperculus	Senpau	25.42
Liatris spicata	Liaspi	20.83
Rudbeckia hirta	Rudhir	20.42
Veronicastrum virginicum	Vervir	20.00
Potentilla simplex	Potsim	19.17
Apocynum sibiricum	Aposib	18.75
Galium obtusum	Galobt	18.75
Viola sp.	Viosp.	18.75
Oenothera pilosella	Oenpil	17.50
Eryngium yuccifolium	Eryyuc	14.17
Convolvulus sepium	Consep	13.33
Aster ericoides	Asteri	12.92
Aster sp.	Astsp.	12.08
Krigia biflora	Kribif	11.67
Tradescantia ohiensis	Traohi	10.83

Cacalia plantaginea	Cacpla	10.42
Galium sp.	Galsp.	10.00

**Native woody species (> = 2 % Frequency)**

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Rubus hispidus	Rubhis	10.00
Aronia prunifolia	Aropru	4.17
Salix sp.1	Salsp.1	3.33

**Alien species (> 5 % Frequency)**

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Achillea millefolium*	Achmil	14.17
Poa pratensis*	Poapra	11.25

Summary of 135 Species

N = 4 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Agasp.	1.250	2.500	5.000	.000	5.000	1	.000	.000
2	Alefar	.832	1.665	3.330	.000	3.330	1	.000	.000
3	Allcan	1.668	3.335	6.670	.000	6.670	1	.000	.000
4	Ampbra	2.500	5.000	10.000	.000	10.000	1	.000	.000
5	Andger	15.833	10.671	63.330	.000	23.330	3	.998	1.096
6	Andsco	13.333	10.540	53.330	.000	23.330	3	.950	1.043
7	Antneg	5.832	9.575	23.330	.000	20.000	2	.591	.410
8	Antpla	2.500	5.000	10.000	.000	10.000	1	.000	.000
9	Apiame	9.167	18.335	36.670	.000	36.670	1	.000	.000
10	Aposib	18.748	18.726	74.990	3.330	43.330	4	.721	.999
11	Arelat	4.168	8.335	16.670	.000	16.670	1	.000	.000
12	Aromel	1.668	3.335	6.670	.000	6.670	1	.000	.000
13	Aropru	4.168	8.335	16.670	.000	16.670	1	.000	.000
14	Ascpur	.832	1.665	3.330	.000	3.330	1	.000	.000
15	Ascsyr	1.668	3.335	6.670	.000	6.670	1	.000	.000
16	Astazu	6.665	11.220	26.660	.000	23.330	2	.543	.377
17	Asteri	12.917	13.360	51.670	.000	30.000	3	.825	.907
18	Astnov	3.335	3.851	13.340	.000	6.670	2	1.000	.693
19	Astsp.	12.082	16.411	48.330	3.330	36.670	4	.586	.813
20	Astsp.2	.832	1.665	3.330	.000	3.330	1	.000	.000
21	Bapleu	.832	1.665	3.330	.000	3.330	1	.000	.000
22	Bidsp.	1.250	2.500	5.000	.000	5.000	1	.000	.000
23	Cacpla	10.417	16.687	41.670	.000	35.000	2	.634	.440
24	Calcan	48.750	27.801	195.000	10.000	75.000	4	.888	1.231
25	Carsp.	32.498	24.553	129.990	3.330	60.000	4	.812	1.125
26	Carsp.2	1.665	1.923	6.660	.000	3.330	2	1.000	.693
27	Carsp.3	.832	1.665	3.330	.000	3.330	1	.000	.000
28	Carsp.4	.832	1.665	3.330	.000	3.330	1	.000	.000
29	Carstr	13.750	22.045	55.000	.000	46.670	3	.480	.527
30	Casfas	6.668	13.335	26.670	.000	26.670	1	.000	.000
31	Cirdis	2.918	3.437	11.670	.000	6.670	2	.985	.683
32	Composit	.832	1.665	3.330	.000	3.330	1	.000	.000
33	Comumb	1.668	3.335	6.670	.000	6.670	1	.000	.000
34	Consep	13.333	10.540	53.330	.000	23.330	3	.950	1.043
35	Corrac	.832	1.665	3.330	.000	3.330	1	.000	.000
36	Cortri	7.500	15.000	30.000	.000	30.000	1	.000	.000
37	Descan	1.668	3.335	6.670	.000	6.670	1	.000	.000
38	Dicot1	2.500	5.000	10.000	.000	10.000	1	.000	.000
39	Dicot2	2.500	5.000	10.000	.000	10.000	1	.000	.000
40	Dicot3	2.500	5.000	10.000	.000	10.000	1	.000	.000
41	Drythe p	1.665	1.923	6.660	.000	3.330	2	1.000	.693
42	Elecom	7.500	15.000	30.000	.000	30.000	1	.000	.000

43	Elesp.	9.167	8.333	36.670	.000	20.000	3	.906	.995
44	Equarv	3.335	3.851	13.340	.000	6.670	2	1.000	.693
45	Equlae	.832	1.665	3.330	.000	3.330	1	.000	.000
46	Erisp.	1.668	3.335	6.670	.000	6.670	1	.000	.000
47	Eryyuc	14.167	13.436	56.670	.000	30.000	3	.870	.956
48	Eupcor	5.832	11.665	23.330	.000	23.330	1	.000	.000
49	Eupper	.832	1.665	3.330	.000	3.330	1	.000	.000
50	Fravir	26.250	10.920	105.000	13.330	40.000	4	.952	1.319
51	Galobt	18.750	22.500	75.000	.000	45.000	2	.971	.673
52	Galsp.	10.000	20.000	40.000	.000	40.000	1	.000	.000
53	Helaut	2.918	3.437	11.670	.000	6.670	2	.985	.683
54	Helgro	9.165	9.179	36.660	.000	20.000	3	.834	.916
55	Helmol	4.168	8.335	16.670	.000	16.670	1	.000	.000
56	Helocc	.832	1.665	3.330	.000	3.330	1	.000	.000
57	Helsp.	.832	1.665	3.330	.000	3.330	1	.000	.000
58	Heuric	7.500	8.767	30.000	.000	16.670	2	.991	.687
59	Hieodo	1.668	3.335	6.670	.000	6.670	1	.000	.000
60	Houcae	1.668	3.335	6.670	.000	6.670	1	.000	.000
61	Hyphir	1.665	1.923	6.660	.000	3.330	2	1.000	.693
62	Hypmut	1.250	2.500	5.000	.000	5.000	1	.000	.000
63	Hypsp.	1.668	3.335	6.670	.000	6.670	1	.000	.000
64	Irvir s	.832	1.665	3.330	.000	3.330	1	.000	.000
65	Junsp.	3.335	3.851	13.340	.000	6.670	2	1.000	.693
66	Junsp.1	3.332	6.665	13.330	.000	13.330	1	.000	.000
67	Kribif	11.667	8.820	46.670	.000	20.000	3	.966	1.061
68	Latpal	1.665	1.923	6.660	.000	3.330	2	1.000	.693
69	Lescap	4.168	5.001	16.670	.000	10.000	2	.971	.673
70	Liaspi	20.835	6.308	83.340	16.670	30.000	4	.977	1.354
71	Litcan	1.668	3.335	6.670	.000	6.670	1	.000	.000
72	Lobspi	2.915	2.097	11.660	.000	5.000	3	.982	1.079
73	Luzmul	1.668	3.335	6.670	.000	6.670	1	.000	.000
74	Lycsp.	6.668	5.442	26.670	.000	13.330	3	.947	1.040
75	Lycvir	8.750	17.500	35.000	.000	35.000	1	.000	.000
76	Lysqua	2.500	3.193	10.000	.000	6.670	2	.918	.636
77	Lytala	4.582	7.120	18.330	.000	15.000	2	.684	.474
78	Maican i	2.500	5.000	10.000	.000	10.000	1	.000	.000
79	Monfis	5.832	9.575	23.330	.000	20.000	2	.591	.410
80	Oenpil	17.500	11.015	70.000	3.330	30.000	4	.871	1.208
81	Onosen	4.168	8.335	16.670	.000	16.670	1	.000	.000
82	Osmcin	2.500	5.000	10.000	.000	10.000	1	.000	.000
83	Osmreg s	5.832	11.665	23.330	.000	23.330	1	.000	.000
84	Oxyrig	.832	1.665	3.330	.000	3.330	1	.000	.000
85	Panlan	20.000	40.000	80.000	.000	80.000	1	.000	.000
86	Pansp.1	5.000	6.382	20.000	.000	13.330	2	.918	.637
87	Panvil	5.832	11.665	23.330	.000	23.330	1	.000	.000
88	Panvir	8.750	7.623	35.000	.000	16.670	3	.909	.999
89	Parint	5.832	11.665	23.330	.000	23.330	1	.000	.000
90	Pedcan	2.500	5.000	10.000	.000	10.000	1	.000	.000
91	Phlgla i	27.917	24.396	111.670	.000	50.000	3	.905	.994
92	Phyvir	6.250	6.438	25.000	.000	15.000	3	.844	.928
93	Polgsp.	3.332	6.665	13.330	.000	13.330	1	.000	.000
94	Polver	6.668	9.428	26.670	.000	20.000	2	.811	.562
95	Polytric	.832	1.665	3.330	.000	3.330	1	.000	.000
96	Poptre	.832	1.665	3.330	.000	3.330	1	.000	.000
97	Potsim	19.167	25.150	76.670	3.330	56.670	4	.604	.838
98	Pycvir	31.250	17.393	125.000	16.670	55.000	4	.920	1.276
99	Quevel	.832	1.665	3.330	.000	3.330	1	.000	.000
100	Rubhis	10.000	20.000	40.000	.000	40.000	1	.000	.000
101	Rudhir	20.415	10.219	81.660	13.330	35.000	4	.937	1.299
102	Saldis	1.250	2.500	5.000	.000	5.000	1	.000	.000
103	Salhum	.832	1.665	3.330	.000	3.330	1	.000	.000

104 Salsp.	.832	1.665	3.330	.000	3.330	1	.000	.000
105 Salsp.1	3.332	6.665	13.330	.000	13.330	1	.000	.000
106 Salsp.2	.832	1.665	3.330	.000	3.330	1	.000	.000
107 Saxpen	.832	1.665	3.330	.000	3.330	1	.000	.000
108 Scltri	.832	1.665	3.330	.000	3.330	1	.000	.000
109 Scupar	1.250	2.500	5.000	.000	5.000	1	.000	.000
110 Seedling	.832	1.665	3.330	.000	3.330	1	.000	.000
111 Senpau	25.417	31.546	101.670	.000	65.000	2	.943	.654
112 Sensp.	5.000	10.000	20.000	.000	20.000	1	.000	.000
113 Silter	1.668	3.335	6.670	.000	6.670	1	.000	.000
114 Sisalb	2.500	3.193	10.000	.000	6.670	2	.918	.636
115 Smilas	.832	1.665	3.330	.000	3.330	1	.000	.000
116 Smiste	3.750	7.500	15.000	.000	15.000	1	.000	.000
117 Solalt	3.332	4.714	13.330	.000	10.000	2	.811	.562
118 Solgig	38.335	22.688	153.340	6.670	60.000	4	.877	1.216
119 Solgym	36.250	31.398	145.000	.000	75.000	3	.922	1.013
120 Soljun	7.500	15.000	30.000	.000	30.000	1	.000	.000
121 Solmis f	2.500	5.000	10.000	.000	10.000	1	.000	.000
122 Solrid	7.500	5.691	30.000	.000	13.330	3	.966	1.061
123 Solspe	.832	1.665	3.330	.000	3.330	1	.000	.000
124 Sornut	20.000	21.257	80.000	.000	50.000	3	.837	.919
125 Spapac	12.500	15.956	50.000	.000	33.330	2	.918	.637
126 Spialb	6.668	8.166	26.670	.000	16.670	2	.954	.662
127 Stasp.	.832	1.665	3.330	.000	3.330	1	.000	.000
128 Thadas	.832	1.665	3.330	.000	3.330	1	.000	.000
129 Traohi	10.833	11.982	43.330	.000	26.670	3	.781	.859
130 Vacang	.832	1.665	3.330	.000	3.330	1	.000	.000
131 Vervir	20.000	23.254	80.000	.000	43.330	2	.995	.690
132 Viosag	7.500	5.691	30.000	.000	13.330	3	.966	1.061
133 Viosp.	18.750	12.574	75.000	.000	26.670	3	.999	1.097
134 Vitrip	.832	1.665	3.330	.000	3.330	1	.000	.000
135 Zizaur	5.000	10.000	20.000	.000	20.000	1	.000	.000
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AVERAGES:	7.015	8.167	28.061	.691	17.814	1.7	.371	.358
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