

Mesic prairies

Summary of 15 Sites N = 186 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness
626	B	3.925	12.689	730.000	.000	85.000	30	.887	3.017	7.30
718	B	3.522	11.347	655.000	.000	85.000	31	.890	3.055	6.60
400	B	4.839	9.377	899.987	.000	53.333	69	.923	3.908	9.00
888	B	5.699	12.468	1060.000	.000	70.000	55	.923	3.698	10.60
WR-1B		4.032	9.953	750.000	.000	60.000	45	.919	3.497	7.50
659	B	5.323	12.048	990.000	.000	66.667	56	.908	3.654	10.10
649	B	4.812	15.478	895.000	.000	100.000	30	.888	3.022	8.95
S10	B	6.398	16.520	1190.000	.000	90.000	39	.924	3.385	11.90
393	A	7.124	17.450	1325.000	.000	100.000	45	.913	3.474	13.25
396	A	4.704	12.105	875.000	.000	75.000	42	.919	3.434	8.75
540	A	3.978	11.054	740.000	.000	85.000	39	.913	3.343	7.40
541	A	4.667	12.645	870.000	.000	95.000	44	.895	3.388	8.80
658	A	7.401	15.515	1376.667	.000	90.000	70	.895	3.801	13.77
254	A	10.242	19.544	1905.000	.000	90.000	63	.935	3.872	19.05
251	A	8.683	19.222	1615.000	.000	100.000	49	.931	3.622	16.15
AVRS: B							44.4		3.404	8.99
A							50.3		3.562	12.45

S = Total Native Species Sampled

E = Evenness = $H / \ln(S)$

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

NRI = Native Richness Index = $S \times$ mean native plot richness

Summary of stand structure

<u>Components</u>	<u>Relative Frequency</u>
Native graminoid	21.65
Native forbs	72.98
Native woody	4.73
Ferns and fern allies	0.56
Alien species	5.64

Dominant (>= 10 % Frequency) native graminoid species

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Sporobolus heterolepis	SpoHet	43.44
Andropogon gerardii	Andger	34.22
Sorghastrum nutans	Sornut	32.22
Andropogon scoparius	Andsco	22.44
Carex sp.	Carsp.	20.67

Dominant (>= 10 % Frequency) native forb species

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Aster ericoides	Asteri	33.11
Silphium terebinthinaceum	Silter	31.00
Comandra umbellata	Comumb	29.11
Fragaria virginiana	Fravir	28.67
Allium cernuum	Allcer	28.44
Ratibida pinnata	Ratpin	28.22
Zizia aurea	Zizaur	24.33
Rudbeckia hirta	Rudhir	23.33
Pycnanthemum virginianum	Pycvir	21.33
Euphorbia corollata	Eupcor	20.11
Eryngium yuccifolium	Eryyuc	19.33

Aster azureus	Astazu	18.78
Helianthus rigidus	Helrig	18.67
Solidago rigida	Solrig	18.67
Phlox pilosa	Phlpil	18.56
Monarda fistulosa	Monfis	17.78
Liatris spicata	Liaspi	14.33
Coreopsis tripteris	Cortri	13.89
Lithospermum canescens	Litcan	13.22
Aster laevis	Astlae	12.67
Phlox glaberrima var. interior	Phlgl int	12.44
Silphium integrifolium	Silint	12.11
Solidago juncea	Soljun	11.33
Galium obtusum	Galobt	10.78
Tradescantia ohiensis	Traohi	10.67
Parthenium integrifolium	Parint	10.44

Native woody species (> = 2 % Frequency)

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Rosa carolina	Roscar	28.89
Cornus racemosa	Corrac	7.22
Amorpha canescens	Amocan	5.67

Alien species (> 5 % Frequency)

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Poa pratensis*	Poapra	15.00
Poa compressa*	Poacom	14.05
Achillea millefolium*	Achmil	11.55
Daucus carota*	Daucar	5.36

Summary of 186 Species

N = 15 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Aceneg	.222	.860	3.330	.000	3.330	1	.000	.000
2	Allcan	6.444	10.799	96.667	.000	35.000	6	.870	1.558
3	Allcer	28.444	32.302	426.667	.000	80.000	8	.945	1.965
4	Ambart	1.333	3.994	20.000	.000	15.000	2	.811	.562
5	Ambtri	1.667	3.086	25.000	.000	10.000	4	.961	1.332
6	Amocan	5.667	9.424	85.000	.000	35.000	7	.861	1.675
7	Andger	34.222	27.174	513.333	.000	100.000	14	.908	2.397
8	Andsco	22.444	21.693	336.667	.000	70.000	11	.920	2.205
9	Anecan	2.667	10.328	40.000	.000	40.000	1	.000	.000
10	Anecyl	.333	1.291	5.000	.000	5.000	1	.000	.000
11	Anesp.	.333	1.291	5.000	.000	5.000	1	.000	.000
12	Antneg	.333	1.291	5.000	.000	5.000	1	.000	.000
13	Antsp.	5.000	12.817	75.000	.000	45.000	3	.777	.853
14	Apiame	.667	2.582	10.000	.000	10.000	1	.000	.000
15	Aposib	4.444	12.951	66.667	.000	50.000	3	.665	.731
16	Ascsul	.333	1.291	5.000	.000	5.000	1	.000	.000
17	Ascsyr	.333	1.291	5.000	.000	5.000	1	.000	.000
18	Ascver	.333	1.291	5.000	.000	5.000	1	.000	.000
19	Astazu	18.778	25.808	281.667	.000	75.000	8	.881	1.832
20	Asteri	33.111	26.231	496.667	.000	95.000	14	.914	2.413
21	Astlae	12.667	27.443	190.000	.000	80.000	4	.807	1.118
22	Astnov	1.667	3.619	25.000	.000	10.000	3	.960	1.055
23	Astpil	.667	1.759	10.000	.000	5.000	2	1.000	.693
24	Astpra	2.222	7.732	33.333	.000	30.000	2	.469	.325
25	Astpre	1.333	5.164	20.000	.000	20.000	1	.000	.000
26	Astsp.	1.111	4.303	16.667	.000	16.667	1	.000	.000
27	Bapleu	4.222	10.669	63.333	.000	40.000	4	.712	.987
28	Brokal	4.556	12.700	68.333	.000	45.000	2	.926	.642

29	Cacpla	.667	1.759	10.000	.000	5.000	2	1.000	.693
30	Calcan	2.000	4.551	30.000	.000	15.000	3	.921	1.011
31	Caline b	.222	.860	3.330	.000	3.330	1	.000	.000
32	Carbic	6.000	11.832	90.000	.000	35.000	4	.894	1.239
33	Carbux	9.889	25.870	148.333	.000	85.000	3	.701	.770
34	Cargra	1.111	4.303	16.667	.000	16.667	1	.000	.000
35	Carpel	2.222	8.607	33.333	.000	33.333	1	.000	.000
36	Carma	2.222	6.977	33.333	.000	26.667	2	.722	.500
37	Carpen	.333	1.291	5.000	.000	5.000	1	.000	.000
38	Carsp.	20.667	26.635	310.000	.000	75.000	9	.858	1.884
39	Carstr	3.556	10.651	53.333	.000	40.000	2	.811	.562
40	Cascoc	1.111	2.999	16.667	.000	10.000	2	.971	.673
41	Casfas	.778	2.077	11.667	.000	6.667	2	.985	.683
42	Ceaame	.222	.861	3.333	.000	3.333	1	.000	.000
43	Chrleu p	1.778	5.325	26.667	.000	20.000	2	.811	.562
44	Cirdis	2.333	4.169	35.000	.000	10.000	4	.975	1.352
45	Cirsp.	1.000	2.803	15.000	.000	10.000	2	.918	.637
46	Comumb	29.111	31.753	436.667	.000	90.000	13	.837	2.146
47	Consep	2.778	7.498	41.667	.000	25.000	2	.971	.673
48	Consp.	.333	1.291	5.000	.000	5.000	1	.000	.000
49	Corpall	3.333	6.986	50.000	.000	25.000	4	.880	1.221
50	Corrac	7.222	12.323	108.333	.000	43.333	7	.832	1.619
51	Cortri	13.889	23.296	208.333	.000	60.000	6	.849	1.521
52	Descan	5.333	18.074	80.000	.000	70.000	2	.544	.377
53	Dodmea	1.333	3.519	20.000	.000	10.000	2	1.000	.693
54	Elecom	2.667	6.540	40.000	.000	25.000	4	.764	1.059
55	Elesp.	.222	.860	3.330	.000	3.330	1	.000	.000
56	Elycan	2.000	6.492	30.000	.000	25.000	2	.650	.451
57	Equarv	4.444	10.345	66.667	.000	40.000	5	.752	1.210
58	Equlae	1.444	2.587	21.667	.000	6.667	4	.975	1.352
59	Eriphi	.556	1.500	8.333	.000	5.000	2	.971	.673
60	Eristr	.667	2.582	10.000	.000	10.000	1	.000	.000
61	Eryyuc	19.333	23.969	290.000	.000	70.000	9	.896	1.968
62	Eupalt	3.556	11.562	53.333	.000	45.000	3	.490	.539
63	Eupcor	20.111	22.778	301.667	.000	80.000	11	.883	2.116
64	Fravir	28.667	24.440	430.000	.000	65.000	12	.916	2.276
65	Galbor	.667	2.582	10.000	.000	10.000	1	.000	.000
66	Galobt	10.778	14.459	161.667	.000	40.000	7	.934	1.818
67	Gaubie	.333	1.291	5.000	.000	5.000	1	.000	.000
68	Genand	4.556	12.886	68.333	.000	50.000	4	.612	.848
69	Genpub	2.000	5.606	30.000	.000	20.000	2	.918	.637
70	Genqui o	.556	1.500	8.333	.000	5.000	2	.971	.673
71	Helgro	8.778	15.905	131.667	.000	60.000	8	.780	1.623
72	Helmol	3.000	11.619	45.000	.000	45.000	1	.000	.000
73	Helocc	.667	2.582	10.000	.000	10.000	1	.000	.000
74	Helrig	18.667	26.421	280.000	.000	85.000	7	.914	1.779
75	Heuric	7.667	10.405	115.000	.000	30.000	8	.888	1.847
76	Hyphir	1.333	5.164	20.000	.000	20.000	1	.000	.000
77	Hyppun	1.556	4.007	23.333	.000	15.000	3	.812	.892
78	Hypsp.	is empty							
79	Hypsph	.667	2.582	10.000	.000	10.000	1	.000	.000
80	Jundud	.667	2.582	10.000	.000	10.000	1	.000	.000
81	Junint	.444	1.173	6.667	.000	3.333	2	1.000	.693
82	Junnod	.333	1.291	5.000	.000	5.000	1	.000	.000
83	Junsp.	is empty							
84	Junten	1.000	3.873	15.000	.000	15.000	1	.000	.000
85	Kribif	6.444	10.213	96.667	.000	30.000	6	.903	1.618
86	Laccan	.222	.861	3.333	.000	3.333	1	.000	.000
87	Lacsp.	.667	1.759	10.000	.000	5.000	2	1.000	.693
88	Latpal	1.778	4.858	26.667	.000	16.667	2	.954	.662
89	Latven	3.222	6.155	48.333	.000	20.000	5	.859	1.382

90 Latsp.	.889	3.442	13.330	.000	13.330	1	.000	.000
91 Lescap	.889	1.876	13.333	.000	5.000	3	.985	1.082
92 Liaasp	5.667	10.154	85.000	.000	30.000	4	.977	1.355
93 Liapyc	1.667	6.455	25.000	.000	25.000	1	.000	.000
94 Liaspi	14.333	23.212	215.000	.000	75.000	8	.817	1.698
95 Lilmic	.889	2.663	13.333	.000	10.000	2	.811	.562
96 Litcan	13.222	17.666	198.333	.000	60.000	10	.840	1.934
97 Lobspi	2.333	4.216	35.000	.000	15.000	5	.906	1.459
98 Luzmul	1.556	4.519	23.333	.000	16.667	2	.863	.598
99 Lycame	.667	2.582	10.000	.000	10.000	1	.000	.000
100 Lysqua	6.000	13.798	90.000	.000	45.000	4	.770	1.068
101 Malioe	.667	2.582	10.000	.000	10.000	1	.000	.000
102 Menarv v	.333	1.291	5.000	.000	5.000	1	.000	.000
103 Monfis	17.778	20.564	266.667	.000	75.000	11	.892	2.138
104 Muhfro	.667	2.582	10.000	.000	10.000	1	.000	.000
105 Oenbie	.667	2.582	10.000	.000	10.000	1	.000	.000
106 Oenpil	.556	1.500	8.333	.000	5.000	2	.971	.673
107 Oxastr	1.667	3.086	25.000	.000	10.000	4	.961	1.332
108 Oxyrig	1.667	3.150	25.000	.000	10.000	4	.945	1.310
109 Panimp	6.556	12.320	98.333	.000	35.000	4	.940	1.304
110 Panoli s	9.778	16.170	146.667	.000	55.000	6	.887	1.589
111 Panpra	.889	3.443	13.333	.000	13.333	1	.000	.000
112 Pansp.	1.111	2.999	16.667	.000	10.000	2	.971	.673
113 Panvil	2.000	7.746	30.000	.000	30.000	1	.000	.000
114 Panvir	5.667	10.499	85.000	.000	35.000	6	.824	1.477
115 Parint	10.444	18.066	156.667	.000	53.333	7	.792	1.541
116 Pedcan	3.333	8.165	50.000	.000	30.000	3	.865	.950
117 Petcan	1.333	5.164	20.000	.000	20.000	1	.000	.000
118 Petpur	6.333	9.558	95.000	.000	30.000	6	.929	1.665
119 Phlgla i	12.444	16.843	186.667	.000	40.000	7	.918	1.787
120 Phlpil	18.556	25.197	278.333	.000	75.000	7	.928	1.805
121 Phyvir	7.222	21.022	108.333	.000	80.000	3	.634	.697
122 Polsen	.667	2.582	10.000	.000	10.000	1	.000	.000
123 Popdel	.222	.861	3.333	.000	3.333	1	.000	.000
124 Poptre	.333	1.291	5.000	.000	5.000	1	.000	.000
125 Potsim	7.778	12.435	116.667	.000	35.000	6	.891	1.597
126 Prerac	.667	2.582	10.000	.000	10.000	1	.000	.000
127 Pruser	.333	1.291	5.000	.000	5.000	1	.000	.000
128 Pruvul e	2.667	6.779	40.000	.000	25.000	3	.819	.900
129 Pruvul l	1.000	2.803	15.000	.000	10.000	2	.918	.637
130 PycTEN	1.333	5.164	20.000	.000	20.000	1	.000	.000
131 Pycvir	21.333	24.293	320.000	.000	85.000	10	.906	2.085
132 Ratpin	28.222	23.658	423.333	3.333	75.000	15	.881	2.387
133 Roscar	28.889	22.788	433.333	.000	70.000	14	.906	2.391
134 Rubfla	1.333	5.164	20.000	.000	20.000	1	.000	.000
135 Rubhis	.445	1.722	6.670	.000	6.670	1	.000	.000
136 Rubsp.	1.000	2.803	15.000	.000	10.000	2	.918	.637
137 Rudhir	23.333	18.846	350.000	.000	55.000	12	.942	2.341
138 Salgla	1.556	6.025	23.333	.000	23.333	1	.000	.000
139 Salhum	1.333	3.519	20.000	.000	10.000	2	1.000	.693
140 Salsp.	.667	2.582	10.000	.000	10.000	1	.000	.000
141 Saxpen	2.000	7.746	30.000	.000	30.000	1	.000	.000
142 Scisp.	.222	.860	3.330	.000	3.330	1	.000	.000
143 Scupar	1.667	3.150	25.000	.000	10.000	4	.945	1.310
144 Senaur	1.778	5.174	26.667	.000	20.000	3	.670	.736
145 Senpau	8.111	15.608	121.667	.000	45.000	5	.814	1.311
146 Senpla	1.000	3.873	15.000	.000	15.000	1	.000	.000
147 Silint	12.111	13.325	181.667	.000	45.000	10	.917	2.111
148 Sillac	3.333	4.499	50.000	.000	10.000	6	.976	1.748
149 Silter	31.000	27.013	465.000	.000	90.000	14	.885	2.336
150 Sisalb	7.333	12.244	110.000	.000	40.000	7	.837	1.628

151 Smilas	.333	1.291	5.000	.000	5.000	1	.000	.000
152 Smiste	8.444	15.867	126.667	.000	50.000	5	.864	1.391
153 Solalt	3.667	5.815	55.000	.000	20.000	6	.916	1.642
154 Solgig	3.000	6.430	45.000	.000	23.333	4	.867	1.202
155 Solgra	8.778	13.221	131.667	.000	45.000	7	.887	1.726
156 Solgym	2.667	10.328	40.000	.000	40.000	1	.000	.000
157 Soljun	11.333	18.019	170.000	.000	55.000	6	.900	1.613
158 Solmis f	4.667	12.882	70.000	.000	50.000	4	.646	.895
159 Solnem	7.556	14.280	113.333	.000	40.000	5	.845	1.359
160 Solrid	6.000	8.904	90.000	.000	30.000	7	.901	1.754
161 Solrig	18.667	20.288	280.000	.000	75.000	10	.926	2.131
162 Solsp.	.667	2.582	10.000	.000	10.000	1	.000	.000
163 Solspe	.667	1.759	10.000	.000	5.000	2	1.000	.693
164 Sornut	32.222	21.855	483.333	.000	75.000	13	.951	2.439
165 Spapoc	5.444	8.739	81.667	.000	30.000	6	.904	1.620
166 Spialb	.222	.861	3.333	.000	3.333	1	.000	.000
167 Spohet	43.444	38.768	651.667	.000	100.000	11	.937	2.246
168 Staten h	2.444	5.700	36.667	.000	20.000	3	.906	.995
169 Stispa	3.000	5.606	45.000	.000	15.000	4	.946	1.311
170 Tacint	1.667	6.455	25.000	.000	25.000	1	.000	.000
171 Thadas	2.556	4.580	38.333	.000	15.000	5	.899	1.447
172 Tharev	.222	.861	3.333	.000	3.333	1	.000	.000
173 Traohi	10.667	11.544	160.000	.000	35.000	9	.944	2.074
174 Valcil	2.444	9.467	36.667	.000	36.667	1	.000	.000
175 Verfas	.667	2.582	10.000	.000	10.000	1	.000	.000
176 Vervir	6.222	9.605	93.333	.000	30.000	6	.916	1.642
177 Vicame	.222	.861	3.333	.000	3.333	1	.000	.000
178 Vioaff	2.667	10.328	40.000	.000	40.000	1	.000	.000
179 Viopam	.222	.861	3.333	.000	3.333	1	.000	.000
180 Viopap	4.889	14.149	73.333	.000	55.000	4	.585	.811
181 Vioped	1.000	2.070	15.000	.000	5.000	3	1.000	1.099
182 Viosag	.333	1.291	5.000	.000	5.000	1	.000	.000
183 Viosor	1.333	5.164	20.000	.000	20.000	1	.000	.000
184 Viosp.	6.667	17.895	100.000	.000	65.000	3	.720	.791
185 Zizapt	5.000	10.177	75.000	.000	35.000	4	.898	1.245
186 Zizaur	24.333	25.165	365.000	.000	90.000	10	.935	2.152

AVERAGES:	5.691	8.833	85.358	.018	29.400	3.8	.557	.838
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