

Dry-mesic sand prairie

Summary of 3 Sites N = 118 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness
1083	A	10.381	18.903	1225.000	.000	95.000	45	.926	3.524	11.60
498	A	10.881	16.390	1284.000	.000	73.000	76	.893	3.867	12.17
499-2	A	8.076	12.851	953.000	.000	56.000	70	.892	3.791	13.75
AVRS:		9.780	16.048	1154.000	.000	74.667	63.7	.904	3.727	12.50
± se										

S = Total Native Species Sampled

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

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

Summary of stand structure

<u>Components</u>	<u>Relative Frequency</u>
Native graminoid	19.61
Native forbs	70.52
Native woody	3.36
Alien species	6.49

Dominant (> = 10 % Frequency) native graminoid species

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Sorghastrum nutans	Sornut	47.22
Andropogon scoparius	Andsco	46.67
Carex sp.	Carsp.	25.56
Panicum sp.	Pansp.	20.00
Panicum sp.1	Pansp.1	17.78
Calamagrostis canadensis	Calcan	17.22

Dominant (> = 10 % Frequency) native forb species

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Aster azureus	Astazu	56.11
Tradescantia ohioensis	Traohi	42.78
Coreopsis tripteris	Cortri	34.45
Euphorbia corollata	Eupcor	34.44
Liatis spicata	Liaspi	33.89
Helianthus divaricatus	Heldiv	31.11
Viola sagittata	Viosag	31.11
Smilacina stellata	Smiste	31.11
Fragaria virginiana	Fravir	25.56
Heuchera richardsonii	Heuric	24.44
Krigia biflora	Kribif	23.89
Phlox pilosa	Phlpil	22.78
Solidago juncea	Soljun	22.22
Solidago nemoralis	Solnem	20.00
Lespedeza capitata	Lescap	19.44
Parthenium integrifolium	Parint	18.89
Solidago altissima	Solalt	16.67
Rudbeckia hirta	Rudhir	15.56
Comandra umbellata	Comumb	15.56
Sisyrinchium albidum	Sisalb	13.33
Lithospermum canescens	Litcan	13.33
Galium boreale	Galbor	12.22
Petalostemum candidum	Petcan	11.67
Liatis aspera	Liaasp	11.11

Coreopsis palmata	Corpal	11.11
Lathyrus palustris	Latpal	10.78
Maianthemum canadense	Maican	10.00

Native woody species (>= 2 % Frequency)

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Salix humilis	Salhum	10.00
Amorpha canescens	Amocan	8.33
Vaccinium angustifolium	Vacang	7.78
Ceanothus americanus	Ceaame	6.67

Alien species (> 5 % Frequency)

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Achillea millefolium*	Achmil	25.56
Poa pratensis*	Poapra	24.44
Poa compressa*	Poacom	16.67
Agrostis alba *	Agralb	5.00

Summary of 118 Species

N = 3 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Achmil	25.333	25.007	76.000	.000	50.000	2	.927	.642
2	Agralb	5.000	8.660	15.000	.000	15.000	1	.000	.000
3	Agrhye	2.000	1.732	6.000	.000	3.000	2	1.000	.693
4	Allcer	1.667	2.887	5.000	.000	5.000	1	.000	.000
5	Ambart	3.333	5.774	10.000	.000	10.000	1	.000	.000
6	Amocan	8.333	14.434	25.000	.000	25.000	1	.000	.000
7	Ampbra	1.000	1.732	3.000	.000	3.000	1	.000	.000
8	Andger	3.000	3.000	9.000	.000	6.000	2	.918	.637
9	Andsco	46.667	20.817	140.000	30.000	70.000	3	.942	1.035
10	Anequi	1.667	2.887	5.000	.000	5.000	1	.000	.000
11	Apiame	1.000	1.732	3.000	.000	3.000	1	.000	.000
12	Arelat	2.000	3.464	6.000	.000	6.000	1	.000	.000
13	Astazu	56.000	7.937	168.000	50.000	65.000	3	.994	1.092
14	Asteri	8.000	6.245	24.000	3.000	15.000	3	.819	.900
15	Astnov	1.000	1.732	3.000	.000	3.000	1	.000	.000
16	Astsp.1	5.333	9.238	16.000	.000	16.000	1	.000	.000
17	Bapleu	4.333	7.506	13.000	.000	13.000	1	.000	.000
18	Cacpla	1.000	1.732	3.000	.000	3.000	1	.000	.000
19	Calcan	17.000	15.716	51.000	6.000	35.000	3	.755	.830
20	Caltub	3.333	5.774	10.000	.000	10.000	1	.000	.000
21	Carsp.	25.333	28.378	76.000	.000	56.000	2	.831	.576
22	Carsp.2	6.000	7.937	18.000	.000	15.000	2	.650	.451
23	Ceaame	6.333	6.506	19.000	.000	13.000	2	.900	.624
24	Cirsp.	1.000	1.732	3.000	.000	3.000	1	.000	.000
25	Composit	2.000	1.732	6.000	.000	3.000	2	1.000	.693
26	Comumb	25.333	8.083	76.000	16.000	30.000	3	.967	1.062
27	Consep	1.000	1.732	3.000	.000	3.000	1	.000	.000
28	Corpal	11.000	11.533	33.000	.000	23.000	2	.885	.613
29	Corrac	1.000	1.732	3.000	.000	3.000	1	.000	.000
30	Cortri	34.000	29.866	102.000	.000	56.000	2	.993	.688
31	Descan	6.333	8.505	19.000	.000	16.000	2	.629	.436
32	Dodmea	3.333	5.774	10.000	.000	10.000	1	.000	.000
33	Elecom	6.667	11.547	20.000	.000	20.000	1	.000	.000
34	Equarv	2.000	1.732	6.000	.000	3.000	2	1.000	.693
35	Equhye	3.333	5.774	10.000	.000	10.000	1	.000	.000
36	Equlae	3.333	5.774	10.000	.000	10.000	1	.000	.000
37	Equvar	10.000	17.321	30.000	.000	30.000	1	.000	.000

38 Eryyuc	1.000	1.732	3.000	.000	3.000	1	.000	.000
39 Eupalt	1.000	1.732	3.000	.000	3.000	1	.000	.000
40 Eupcor	34.333	36.692	103.000	.000	73.000	2	.870	.603
41 Fravir	25.333	17.474	76.000	6.000	40.000	3	.824	.905
42 Galbor	12.000	18.248	36.000	.000	33.000	2	.414	.287
43 Galobt	5.000	8.660	15.000	.000	15.000	1	.000	.000
44 Habcla	3.333	5.774	10.000	.000	10.000	1	.000	.000
45 Heldiv	31.000	31.512	93.000	.000	63.000	2	.907	.629
46 Helgro	1.000	1.732	3.000	.000	3.000	1	.000	.000
47 Heuric	24.333	23.798	73.000	3.000	50.000	3	.678	.745
48 Houcae	6.667	5.774	20.000	.000	10.000	2	1.000	.693
49 Junbal l	3.333	5.774	10.000	.000	10.000	1	.000	.000
50 Junnod	1.667	2.887	5.000	.000	5.000	1	.000	.000
51 Junten	2.000	3.464	6.000	.000	6.000	1	.000	.000
52 Kribif	23.667	16.442	71.000	5.000	36.000	3	.815	.895
53 Lacsp.	2.000	3.464	6.000	.000	6.000	1	.000	.000
54 Latpal	10.333	13.051	31.000	.000	25.000	2	.709	.491
55 Latven	1.000	1.732	3.000	.000	3.000	1	.000	.000
56 Lescap	19.333	8.145	58.000	10.000	25.000	3	.940	1.033
57 Leshir	1.000	1.732	3.000	.000	3.000	1	.000	.000
58 Liaasp	12.000	15.588	36.000	3.000	30.000	3	.515	.566
59 Liaspi	33.667	17.616	101.000	15.000	50.000	3	.909	.999
60 Liploe	2.000	3.464	6.000	.000	6.000	1	.000	.000
61 Litcan	13.333	23.094	40.000	.000	40.000	1	.000	.000
62 Lobspi	2.000	1.732	6.000	.000	3.000	2	1.000	.693
63 Luzmul	8.667	15.011	26.000	.000	26.000	1	.000	.000
64 Lyslan	2.000	3.464	6.000	.000	6.000	1	.000	.000
65 Maican	9.667	11.930	29.000	.000	23.000	2	.736	.510
66 Monfis	7.667	6.807	23.000	.000	13.000	2	.988	.685
67 Oxyrig	3.333	5.774	10.000	.000	10.000	1	.000	.000
68 Panpra	3.000	3.000	9.000	.000	6.000	2	.918	.637
69 Pansp.	20.000	34.641	60.000	.000	60.000	1	.000	.000
70 Pansp.1	17.667	30.600	53.000	.000	53.000	1	.000	.000
71 Panvir	2.000	3.464	6.000	.000	6.000	1	.000	.000
72 Parint	18.667	24.194	56.000	.000	46.000	2	.677	.469
73 Pedcan	7.333	8.083	22.000	.000	16.000	2	.845	.586
74 Petcan	11.667	20.207	35.000	.000	35.000	1	.000	.000
75 Phlgla	6.333	8.505	19.000	.000	16.000	2	.629	.436
76 Phlpil	22.667	22.502	68.000	.000	45.000	2	.923	.640
77 Phyvir	1.000	1.732	3.000	.000	3.000	1	.000	.000
78 Poacom	16.667	28.868	50.000	.000	50.000	1	.000	.000
79 Poapra	24.333	21.362	73.000	.000	40.000	2	.993	.689
80 Polcan	1.000	1.732	3.000	.000	3.000	1	.000	.000
81 Polsan	5.333	9.238	16.000	.000	16.000	1	.000	.000
82 Polver	1.000	1.732	3.000	.000	3.000	1	.000	.000
83 Poptre	1.000	1.732	3.000	.000	3.000	1	.000	.000
84 Potsim	5.333	6.807	16.000	.000	13.000	2	.696	.483
85 Pteaqu l	1.000	1.732	3.000	.000	3.000	1	.000	.000
86 Pycvir	14.333	9.815	43.000	3.000	20.000	3	.817	.898
87 Rhurad	1.667	2.887	5.000	.000	5.000	1	.000	.000
88 Rubsp.	1.000	1.732	3.000	.000	3.000	1	.000	.000
89 Rudhir	22.000	3.464	66.000	20.000	26.000	3	.993	1.091
90 Rumace	2.000	3.464	6.000	.000	6.000	1	.000	.000
91 Salgla	1.667	2.887	5.000	.000	5.000	1	.000	.000
92 Salhum	9.667	8.505	29.000	.000	16.000	2	.992	.688
93 Saxpen	2.000	3.464	6.000	.000	6.000	1	.000	.000
94 Scupar	3.333	5.774	10.000	.000	10.000	1	.000	.000
95 Senpau	6.667	11.547	20.000	.000	20.000	1	.000	.000
96 Silint	1.000	1.732	3.000	.000	3.000	1	.000	.000
97 Silter	2.000	1.732	6.000	.000	3.000	2	1.000	.693
98 Sisalb	13.000	14.799	39.000	3.000	30.000	3	.625	.687

99 Smiste	31.000	51.118	93.000	.000	90.000	2	.206	.143
100 Solalt	16.667	15.275	50.000	.000	30.000	2	.971	.673
101 Solgig	3.000	3.000	9.000	.000	6.000	2	.918	.637
102 Solgym	11.000	1.732	33.000	10.000	13.000	3	.993	1.091
103 Soljun	22.000	20.298	66.000	.000	40.000	2	.967	.670
104 Solnem	20.000	20.000	60.000	.000	40.000	2	.918	.637
105 Solohi	1.667	2.887	5.000	.000	5.000	1	.000	.000
106 Solspe	1.000	1.732	3.000	.000	3.000	1	.000	.000
107 Sornut	47.000	42.755	141.000	13.000	95.000	3	.752	.826
108 Spapec	3.000	3.000	9.000	.000	6.000	2	.918	.637
109 Spialb	1.000	1.732	3.000	.000	3.000	1	.000	.000
110 Stispa	6.667	11.547	20.000	.000	20.000	1	.000	.000
111 Tharev	1.000	1.732	3.000	.000	3.000	1	.000	.000
112 Traohi	42.333	15.822	127.000	25.000	56.000	3	.955	1.049
113 Trisp.	1.000	1.732	3.000	.000	3.000	1	.000	.000
114 Vacang	7.333	8.083	22.000	.000	16.000	2	.845	.586
115 Verhas	2.000	3.464	6.000	.000	6.000	1	.000	.000
116 Vervir	3.000	3.000	9.000	.000	6.000	2	.918	.637
117 Viosag	31.000	28.160	93.000	10.000	63.000	3	.759	.834
118 Zizaur	7.333	8.083	22.000	.000	16.000	2	.845	.586
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AVERAGES:	9.780	9.873	29.339	1.958	20.203	1.6	.395	.325
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