

Dry-mesic prairies

Summary of 7 Sites

N = 108 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Frequency	Minimum Frequency	Maximum S	E	H	Mean Native Plot Richness
526	B	10.602	21.549	1145.000	.000	100.000	35	.911	3.238	11.45
719	B	4.398	12.655	475.000	.000	90.000	25	.864	2.783	4.75
973	B	4.676	13.812	505.000	.000	85.000	26	.845	2.755	5.05
900	A	6.574	13.649	710.000	.000	70.000	36	.909	3.258	7.10
901	A	5.694	13.577	615.000	.000	95.000	33	.890	3.113	6.15
542	A	6.157	13.178	665.000	.000	95.000	40	.900	3.319	6.65
1080	A	9.213	18.127	995.000	.000	85.000	41	.899	3.337	9.95
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AVRS: B		6.659					28.7	.873	2.925	7.1
± se	A	6.909					37.5	.8995	3.257	7.4

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)

Summary of stand structure

Components	Relative Frequency
Native graminoid	26.86
Native forbs	66.59
Native woody	5.53
Ferns and fern allies	1.03
Alien species	5.52

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

Species	Abbreviation	Frequency
Stipa spartea	Stispa	43.00
Andropogon scoparius	Andsco	38.50
Sporobolus heterolepis	Spohet	30.50
Andropogon gerardii	Andger	27.00
Sorghastrum nutans	Sornut	11.00

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

Species	Abbreviation	Frequency
Euphorbia corollata	Eupcor	36.50
Aster ericoides	Asteri	31.50
Liatris aspera	Liaasp	23.00
Phlox pilosa	Phlpil	23.00
Aster laevis	Astlae	22.00
Ratibida pinnata	Ratpin	20.00
Solidago rigida	Solrig	15.50
Silphium terebinthinaceum	Silter	14.00
Coreopsis palmata	Corpalm	12.00
Parthenium integrifolium	Parint	10.50
Helianthus rigidus	Helrig	10.00

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

Species	Abbreviation	Frequency
Amorpha canescens	Amocan	15.50
Rosa carolina	Roscar	12.00
Cornus racemosa	Corrac	3.50

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Poa pratensis*	Poapra	16.66
Poa compressa*	Poacom	11.11
Summary of 108 Species		
N = 7 Sites		

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Allcer	11.429	20.354	80.000	.000	50.000	2	.954	.662
2	Allspp.	.714	1.890	5.000	.000	5.000	1	.000	.000
3	Amocan	17.857	19.760	125.000	.000	55.000	5	.858	1.380
4	Andger	31.429	20.148	220.000	.000	65.000	6	.958	1.717
5	Andsco	33.571	33.130	235.000	.000	85.000	6	.825	1.479
6	Anecan	.714	1.890	5.000	.000	5.000	1	.000	.000
7	Anecyl	5.000	13.229	35.000	.000	35.000	1	.000	.000
8	Antsp.	10.000	26.458	70.000	.000	70.000	1	.000	.000
9	Apocan	2.857	7.559	20.000	.000	20.000	1	.000	.000
10	Ascsyr	1.429	2.440	10.000	.000	5.000	2	1.000	.693
11	Ascver	.714	1.890	5.000	.000	5.000	1	.000	.000
12	Ascvir	.714	1.890	5.000	.000	5.000	1	.000	.000
13	Astazu	7.143	13.496	50.000	.000	35.000	2	.881	.611
14	Asteri	30.000	27.689	210.000	.000	65.000	5	.922	1.484
15	Astlae	25.714	25.071	180.000	.000	70.000	5	.907	1.459
16	Astpil	2.857	5.669	20.000	.000	15.000	2	.811	.562
17	Astpta	4.286	11.339	30.000	.000	30.000	1	.000	.000
18	Bapleu	2.857	5.669	20.000	.000	15.000	2	.811	.562
19	Boucur	4.286	11.339	30.000	.000	30.000	1	.000	.000
20	Brokal	4.286	11.339	30.000	.000	30.000	1	.000	.000
21	Carbic	.714	1.890	5.000	.000	5.000	1	.000	.000
22	Carbux	1.429	3.780	10.000	.000	10.000	1	.000	.000
23	Carpel	.714	1.890	5.000	.000	5.000	1	.000	.000
24	Ceaame	1.429	2.440	10.000	.000	5.000	2	1.000	.693
25	Cirdis	.714	1.890	5.000	.000	5.000	1	.000	.000
26	Comumb	11.429	26.095	80.000	.000	70.000	2	.544	.377
27	Conspi	2.143	5.669	15.000	.000	15.000	1	.000	.000
28	Corpall	15.714	22.991	110.000	.000	60.000	5	.694	1.116
29	Corrac	3.571	6.268	25.000	.000	15.000	2	.971	.673
30	Cortri	.714	1.890	5.000	.000	5.000	1	.000	.000
31	Desill	2.143	5.669	15.000	.000	15.000	1	.000	.000
32	Dodmea	.714	1.890	5.000	.000	5.000	1	.000	.000
33	Echpal	.714	1.890	5.000	.000	5.000	1	.000	.000
34	Elycan	2.143	3.934	15.000	.000	10.000	2	.918	.637
35	Equarv	1.429	3.780	10.000	.000	10.000	1	.000	.000
36	Equhye	3.571	5.563	25.000	.000	15.000	3	.865	.950
37	Equlae	1.429	3.780	10.000	.000	10.000	1	.000	.000
38	Eriustr	.714	1.890	5.000	.000	5.000	1	.000	.000
39	Eryyuc	4.286	7.319	30.000	.000	20.000	3	.790	.868
40	Eupcor	37.143	24.300	260.000	.000	75.000	6	.955	1.711
41	Fravir	9.286	13.048	65.000	.000	30.000	3	.921	1.012
42	Genpub	8.571	11.073	60.000	.000	25.000	3	.981	1.078
43	Heldiv	1.429	3.780	10.000	.000	10.000	1	.000	.000
44	Helgro	4.286	7.319	30.000	.000	20.000	3	.790	.868
45	Helrig	11.429	13.138	80.000	.000	35.000	4	.925	1.282
46	Heuric	.714	1.890	5.000	.000	5.000	1	.000	.000
47	Laccan	1.429	2.440	10.000	.000	5.000	2	1.000	.693
48	Lacsp.	.714	1.890	5.000	.000	5.000	1	.000	.000
49	Lescap	.714	1.890	5.000	.000	5.000	1	.000	.000
50	Liaasp	25.000	24.664	175.000	.000	75.000	6	.856	1.534
51	Liapyc	.714	1.890	5.000	.000	5.000	1	.000	.000
52	Linsul	2.143	5.669	15.000	.000	15.000	1	.000	.000

53 Litcan	4.286	9.322	30.000	.000	25.000	2	.650	.451
54 Lyslan	.714	1.890	5.000	.000	5.000	1	.000	.000
55 Monfis	11.429	19.940	80.000	.000	55.000	4	.662	.918
56 Oenbie	1.429	3.780	10.000	.000	10.000	1	.000	.000
57 Panolis	10.000	16.330	70.000	.000	45.000	4	.715	.991
58 Panvir	2.143	3.934	15.000	.000	10.000	2	.918	.637
59 Parint	14.286	29.216	100.000	.000	80.000	4	.511	.708
60 Pedcan	.714	1.890	5.000	.000	5.000	1	.000	.000
61 Petcan	8.571	15.736	60.000	.000	40.000	2	.918	.637
62 Petpur	7.857	10.746	55.000	.000	25.000	3	.943	1.036
63 Phlpil	22.857	28.847	160.000	.000	70.000	4	.841	1.166
64 Physp.	2.143	3.934	15.000	.000	10.000	2	.918	.637
65 Phyvir	3.571	4.756	25.000	.000	10.000	3	.960	1.055
66 Polcan	2.143	5.669	15.000	.000	15.000	1	.000	.000
67 Polnut	1.429	3.780	10.000	.000	10.000	1	.000	.000
68 Polsen	12.143	32.127	85.000	.000	85.000	1	.000	.000
69 Potsim	1.429	3.780	10.000	.000	10.000	1	.000	.000
70 Preasp	1.429	2.440	10.000	.000	5.000	2	1.000	.693
71 Psoten	7.857	20.788	55.000	.000	55.000	1	.000	.000
72 PycTEN	.714	1.890	5.000	.000	5.000	1	.000	.000
73 Ratpin	25.000	21.985	175.000	.000	60.000	6	.886	1.588
74 Rhurad	.714	1.890	5.000	.000	5.000	1	.000	.000
75 Roscar	13.571	12.150	95.000	.000	30.000	5	.926	1.490
76 Rudhir	6.429	11.073	45.000	.000	30.000	3	.773	.849
77 Salhum	2.143	5.669	15.000	.000	15.000	1	.000	.000
78 Scupar	.714	1.890	5.000	.000	5.000	1	.000	.000
79 Sedsp.	.714	1.890	5.000	.000	5.000	1	.000	.000
80 Silint	9.286	12.724	65.000	.000	30.000	4	.807	1.119
81 Sillac	6.429	8.522	45.000	.000	20.000	3	.966	1.061
82 Silste	2.857	7.559	20.000	.000	20.000	1	.000	.000
83 Silter	14.286	10.579	100.000	.000	25.000	5	.984	1.584
84 Sisalb	2.857	7.559	20.000	.000	20.000	1	.000	.000
85 Smilas	1.429	3.780	10.000	.000	10.000	1	.000	.000
86 Smiste	.714	1.890	5.000	.000	5.000	1	.000	.000
87 Solalt	.714	1.890	5.000	.000	5.000	1	.000	.000
88 Solgig	.714	1.890	5.000	.000	5.000	1	.000	.000
89 Solgra	1.429	3.780	10.000	.000	10.000	1	.000	.000
90 Soljun	.714	1.890	5.000	.000	5.000	1	.000	.000
91 Solnem	7.857	18.676	55.000	.000	50.000	2	.439	.305
92 Solrid	1.429	3.780	10.000	.000	10.000	1	.000	.000
93 Solrig	17.143	13.184	120.000	.000	35.000	6	.911	1.632
94 Solsp.	.714	1.890	5.000	.000	5.000	1	.000	.000
95 Solspe	1.429	3.780	10.000	.000	10.000	1	.000	.000
96 Sornut	14.286	15.392	100.000	.000	40.000	5	.865	1.392
97 Spapac	.714	1.890	5.000	.000	5.000	1	.000	.000
98 Spohet	37.143	40.400	260.000	.000	95.000	6	.790	1.415
99 Stispa	50.714	43.342	355.000	.000	100.000	6	.859	1.540
100 Symocc	.714	1.890	5.000	.000	5.000	1	.000	.000
101 Thadas	.714	1.890	5.000	.000	5.000	1	.000	.000
102 Traohi	5.714	10.177	40.000	.000	25.000	2	.954	.662
103 Trasp.	2.857	5.669	20.000	.000	15.000	2	.811	.562
104 Vervir	2.143	3.934	15.000	.000	10.000	2	.918	.637
105 Viopap	.714	1.890	5.000	.000	5.000	1	.000	.000
106 Vioped	5.714	10.965	40.000	.000	30.000	3	.670	.736
107 Zizapt	10.000	26.458	70.000	.000	70.000	1	.000	.000
108 Zizaur	5.000	5.774	35.000	.000	15.000	4	.921	1.277
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AVERAGES:	6.759	9.594	47.315	.000	25.046	2.2	.404	.471

