

Dry-mesic gravel prairies

Summary of 4 Sites N = 75 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness
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392	B	15.467	25.418	1160.000	.000	100.000	34	.909	3.204	11.60
392-2	B	6.711	14.922	503.330	.000	80.000	26	.865	2.820	5.03
S2	B	9.667	19.001	725.000	.000	95.000	29	.892	3.005	7.25
253-2	A	11.933	19.829	895.000	.000	95.000	42	.886	3.312	9.00
AVRS:	B	10.615					32.33	.881	3.046	7.09

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

<u>Components</u>	<u>Relative Frequency</u>
Native graminoid	35.99
Native forbs	54.92
Native woody	9.08
Alien species	7.96

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Sorghastrum nutans	Sornut	68.75
Sporobolus heterolepis	Spohet	60.41
Andropogon scoparius	Andsco	52.50
Stipa spartea	Stispa	38.33
Panicum oligosanthos var scribnerianum?	Panoli scr	21.25
Bouteloua curtipendula	Boucur	17.91
Carex meadii?	Carnea	17.50
Andropogon gerardii	Andger	15.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Euphorbia corollata	Eupcor	41.25
Monarda fistulosa	Monfis	33.75
Liatis cylindracea	Liacyl	29.58
Echinacea pallida?	Echpal	21.25
Viola pedata	Vioped	21.25
Petalostemum purpureum	Petpur	19.58
Aster azureus	Astazu	18.75
Aster ptarmicoides?	Astpta	18.75
Smilacina stellata	Smiste	18.75
Aster ericoides	Asteri	14.58
Antennaria plantaginifolia	Antpla	11.25
Liatis aspera	Liaasp	10.83
Coreopsis palmata	Corpal	10.00
Ratibida pinnata	Ratpin	10.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Rosa carolina	Roscar	35.42
Amorpha canescens	Amocan	22.92
Rhus glabra	Rhugla	7.50
Salix humilis	Salhum	5.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Poa compressa*	Poacom	68.33

Summary of 75 Species

N = 4 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Amocan	22.917	14.929	91.670	6.670	40.000	4	.876	1.214
2	Andger	15.000	23.452	60.000	.000	50.000	3	.515	.566
3	Andsco	52.500	45.735	210.000	.000	100.000	3	.909	.999
4	Anecar	3.750	7.500	15.000	.000	15.000	1	.000	.000
5	Anecyl	.832	1.665	3.330	.000	3.330	1	.000	.000
6	Antpla	11.250	13.150	45.000	.000	25.000	2	.991	.687
7	Arestr	1.250	2.500	5.000	.000	5.000	1	.000	.000
8	Ascsyr	1.250	2.500	5.000	.000	5.000	1	.000	.000
9	Ascver	2.500	5.000	10.000	.000	10.000	1	.000	.000
10	Ascvir	7.500	15.000	30.000	.000	30.000	1	.000	.000
11	Astazu	18.750	23.936	75.000	.000	50.000	2	.918	.637
12	Asteri	14.583	14.361	58.330	.000	30.000	3	.837	.919
13	Astpta	18.750	34.248	75.000	.000	70.000	2	.353	.245
14	Astser	8.750	11.815	35.000	.000	25.000	2	.863	.598
15	Bapleu	5.000	7.071	20.000	.000	15.000	2	.811	.562
16	Boucur	17.917	31.545	71.670	.000	65.000	2	.447	.310
17	Carnea	17.500	35.000	70.000	.000	70.000	1	.000	.000
18	Cirdis	8.750	17.500	35.000	.000	35.000	1	.000	.000
19	Cirhil	1.250	2.500	5.000	.000	5.000	1	.000	.000
20	Comumb	8.750	17.500	35.000	.000	35.000	1	.000	.000
21	Consep	6.250	12.500	25.000	.000	25.000	1	.000	.000
22	Corpall	10.000	11.547	40.000	.000	20.000	2	1.000	.693
23	Corrac	3.750	4.787	15.000	.000	10.000	2	.918	.637
24	Cortri	3.750	7.500	15.000	.000	15.000	1	.000	.000
25	Dicotl	1.250	2.500	5.000	.000	5.000	1	.000	.000
26	Dodmea	5.418	4.167	21.670	.000	10.000	3	.963	1.058
27	Echpal	21.250	42.500	85.000	.000	85.000	1	.000	.000
28	Eupcor	41.250	35.678	165.000	.000	85.000	3	.922	1.013
29	Eupser	1.250	2.500	5.000	.000	5.000	1	.000	.000
30	Fravir	3.750	7.500	15.000	.000	15.000	1	.000	.000
31	Helmol	5.000	10.000	20.000	.000	20.000	1	.000	.000
32	Helocc	.832	1.665	3.330	.000	3.330	1	.000	.000
33	Helrig	2.918	3.437	11.670	.000	6.670	2	.985	.683
34	Hyphir	2.500	5.000	10.000	.000	10.000	1	.000	.000
35	Hypsph	2.500	5.000	10.000	.000	10.000	1	.000	.000
36	Kribif	1.250	2.500	5.000	.000	5.000	1	.000	.000
37	Kuheup c	3.750	7.500	15.000	.000	15.000	1	.000	.000
38	Laccan	2.500	5.000	10.000	.000	10.000	1	.000	.000
39	Liaasp	10.833	19.508	43.330	.000	40.000	2	.391	.271
40	Liacyl	29.583	34.490	118.330	.000	65.000	2	.993	.688
41	Linsp.	1.668	3.335	6.670	.000	6.670	1	.000	.000
42	Litcan	6.250	7.500	25.000	.000	15.000	2	.971	.673
43	Litinc	2.500	5.000	10.000	.000	10.000	1	.000	.000
44	Lobspi	7.500	8.660	30.000	.000	15.000	2	1.000	.693
45	Lycame	2.500	5.000	10.000	.000	10.000	1	.000	.000

46 Monfis	33.750	17.017	135.000	10.000	50.000	4	.917	1.271
47 Panoli s	21.250	20.966	85.000	.000	50.000	3	.873	.959
48 Panpra	1.250	2.500	5.000	.000	5.000	1	.000	.000
49 Pansp.	2.500	5.000	10.000	.000	10.000	1	.000	.000
50 Parint	2.082	2.499	8.330	.000	5.000	2	.971	.673
51 Petpur	19.583	18.277	78.330	3.330	40.000	4	.736	1.021
52 Phlpil	7.500	15.000	30.000	.000	30.000	1	.000	.000
53 Physp.	2.500	5.000	10.000	.000	10.000	1	.000	.000
54 Phyviri	1.250	2.500	5.000	.000	5.000	1	.000	.000
55 Polcan	2.500	5.000	10.000	.000	10.000	1	.000	.000
56 Prerac	1.250	2.500	5.000	.000	5.000	1	.000	.000
57 Ratpin	10.000	7.071	40.000	.000	15.000	3	.985	1.082
58 Rhugla	7.500	15.000	30.000	.000	30.000	1	.000	.000
59 Roscar	35.417	29.919	141.670	.000	70.000	3	.929	1.020
60 Rudhir	2.500	5.000	10.000	.000	10.000	1	.000	.000
61 Salhum	5.000	10.000	20.000	.000	20.000	1	.000	.000
62 Scupar	3.750	2.500	15.000	.000	5.000	3	1.000	1.099
63 Silint	5.000	7.071	20.000	.000	15.000	2	.811	.562
64 Sillac	6.250	9.465	25.000	.000	20.000	2	.722	.500
65 Sisalb	3.750	7.500	15.000	.000	15.000	1	.000	.000
66 Smiste	18.750	37.500	75.000	.000	75.000	1	.000	.000
67 Solgig	3.750	7.500	15.000	.000	15.000	1	.000	.000
68 Solnem	9.167	6.873	36.670	.000	16.670	3	.971	1.067
69 Solsp.	.832	1.665	3.330	.000	3.330	1	.000	.000
70 Sornut	68.750	30.380	275.000	25.000	95.000	4	.937	1.299
71 Spohet	60.417	16.852	241.670	46.670	85.000	4	.980	1.359
72 Stispa	38.333	39.229	153.330	5.000	95.000	4	.731	1.014
73 Viopap	3.750	7.500	15.000	.000	15.000	1	.000	.000
74 Vioped	21.250	26.575	85.000	.000	60.000	3	.732	.804
75 Viosp.	2.500	5.000	10.000	.000	10.000	1	.000	.000
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AVERAGES:	10.944	12.674	43.778	1.289	27.867	1.7	.373	.358
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