

Dry gravel prairies

Summary of 6 Sites

N = 79 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness

713	B	5.443	14.745	430.000	.000	95.000	17	.885	2.508	4.30
700	B	5.886	15.582	465.000	.000	95.000	19	.870	2.562	4.65
391	B	7.975	17.624	630.000	.000	90.000	27	.875	2.885	6.30
S2-2	B	12.152	26.827	960.000	.000	100.000	25	.876	2.820	9.60
630	A	18.924	29.392	1495.000	.000	100.000	37	.916	3.306	14.90
394	A	14.810	27.380	1170.000	.000	95.000	31	.892	3.063	11.70

AVRS: B		6.435					21.0	.876	2.652	5.08

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	39.51
Native forbs	55.33
Native woody	4.76
Alien species	8.25

Dominant (> = 10 % Frequency) native graminoid species

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Andropogon scoparius	Andsco	80.00
Sporobolus heterolepis	Spohet	65.83
Sorghastrum nutans	Sornut	44.17
Bouteloua curtipendula	Boucur	39.17
Stipa spartea	Stispa	29.17
Andropogon gerardii	Andger	21.67
Carex meadii	Carnea	18.33
Carex sp.	Carsp.	17.50
Panicum oligosanthos var scribnerianum?	Panoli scr	16.67

Dominant (> = 10 % Frequency) native forb species

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Aster azureus	Astazu	33.75
Asclepias verticillata	Ascver	25.00
Aster laevis	Astlae	23.75
Polygala senega	Polsen	23.75
Monarda fistulosa	Monfis	22.50
Psoralea tenuiflora	Psoten	21.25
Liatris cylindracea	Liacyl	20.00
Comandra umbellata	Comumb	18.75
Scutellaria parvula	Scupar	17.50
Aster sericeus	Astser	17.50
Sisyrinchium albidum	Sisalb	17.50
Euphorbia corollata	Eupcor	16.25
Dodecatheon meadia	Dodmea	13.75
Lithospermum incisum	Litinc	12.50
Anemone cylindrica	Anecyl	11.25
Hypoxis hirsuta	Hyphir	10.00

Native woody species (> = 2 % Frequency)

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Amorpha canescens	Amocan	19.17
Rosa carolina	Roscar	19.17

Alien species (> 5 % Frequency)

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Poa compressa*	Poacom	54.17

Summary of 79 Species

N = 6 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Allcer	5.000	12.247	30.000	.000	30.000	1	.000	.000
2	Ambart	.833	2.041	5.000	.000	5.000	1	.000	.000
3	Amocan	19.167	30.727	115.000	.000	80.000	4	.653	.905
4	Andger	21.667	17.512	130.000	.000	40.000	4	.989	1.371
5	Andsco	80.000	39.370	480.000	.000	100.000	5	1.000	1.609
6	Anecar	3.333	6.055	20.000	.000	15.000	2	.811	.562
7	Anecyl	7.500	18.371	45.000	.000	45.000	1	.000	.000
8	Antneg	2.500	6.124	15.000	.000	15.000	1	.000	.000
9	Antpla	1.667	4.082	10.000	.000	10.000	1	.000	.000
10	Antsp.	.833	2.041	5.000	.000	5.000	1	.000	.000
11	Arestr	3.333	8.165	20.000	.000	20.000	1	.000	.000
12	Ascver	19.167	35.273	115.000	.000	90.000	3	.610	.670
13	Ascvir	3.333	8.165	20.000	.000	20.000	1	.000	.000
14	Astazu	28.333	29.439	170.000	.000	80.000	5	.820	1.319
15	Asteri	20.000	35.071	120.000	.000	90.000	3	.670	.736
16	Astlae	25.833	35.273	155.000	.000	80.000	3	.851	.935
17	Astlin	4.167	10.206	25.000	.000	25.000	1	.000	.000
18	Astobl	.833	2.041	5.000	.000	5.000	1	.000	.000
19	Astpil	.833	2.041	5.000	.000	5.000	1	.000	.000
20	Astpta	20.000	33.317	120.000	.000	85.000	3	.708	.778
21	Astser	13.333	23.381	80.000	.000	60.000	3	.670	.736
22	Bapleu	.833	2.041	5.000	.000	5.000	1	.000	.000
23	Boucur	39.167	38.784	235.000	.000	100.000	4	.926	1.283
24	Bouhir	3.333	8.165	20.000	.000	20.000	1	.000	.000
25	Carnea	18.333	35.590	110.000	.000	90.000	3	.525	.576
26	Carsp.	17.500	32.210	105.000	.000	80.000	2	.792	.549
27	Cirsp.	1.667	4.082	10.000	.000	10.000	1	.000	.000
28	Comumb	14.167	30.069	85.000	.000	75.000	2	.523	.362
29	Corpal	12.500	30.619	75.000	.000	75.000	1	.000	.000
30	Corrac	.833	2.041	5.000	.000	5.000	1	.000	.000
31	Descan	.833	2.041	5.000	.000	5.000	1	.000	.000
32	Dodmea	9.167	22.454	55.000	.000	55.000	1	.000	.000
33	Equarv	1.667	4.082	10.000	.000	10.000	1	.000	.000
34	Equsp.	1.667	4.082	10.000	.000	10.000	1	.000	.000
35	Erasp.	1.667	4.082	10.000	.000	10.000	1	.000	.000
36	Eupcor	15.000	17.321	90.000	.000	45.000	4	.848	1.176
37	Fravir	.833	2.041	5.000	.000	5.000	1	.000	.000
38	Helrig	3.333	8.165	20.000	.000	20.000	1	.000	.000
39	Hyphir	6.667	16.330	40.000	.000	40.000	1	.000	.000
40	Kuheup c	1.667	4.082	10.000	.000	10.000	1	.000	.000
41	Lacsp.	1.667	4.082	10.000	.000	10.000	1	.000	.000
42	Lescap	.833	2.041	5.000	.000	5.000	1	.000	.000
43	Liacyl	13.333	32.660	80.000	.000	80.000	1	.000	.000
44	Linsul	4.167	6.646	25.000	.000	15.000	2	.971	.673

45 Litinc	14.167	16.253	85.000	.000	35.000	3	.977	1.073
46 Lobspi	4.167	6.646	25.000	.000	15.000	2	.971	.673
47 Monfis	18.333	30.441	110.000	.000	80.000	5	.589	.949
48 Oenbie	.833	2.041	5.000	.000	5.000	1	.000	.000
49 Oxastr	.833	2.041	5.000	.000	5.000	1	.000	.000
50 Panlei	.833	2.041	5.000	.000	5.000	1	.000	.000
51 Panoli s	16.667	13.292	100.000	.000	35.000	5	.916	1.474
52 Panpra	.833	2.041	5.000	.000	5.000	1	.000	.000
53 Parint	10.000	20.000	60.000	.000	50.000	2	.650	.451
54 Petpur	35.833	35.695	215.000	5.000	90.000	6	.757	1.357
55 Phlpil	5.000	12.247	30.000	.000	30.000	1	.000	.000
56 Polsen	15.833	38.784	95.000	.000	95.000	1	.000	.000
57 Psoten	14.167	34.701	85.000	.000	85.000	1	.000	.000
58 Ratpin	6.667	8.756	40.000	.000	20.000	3	.887	.974
59 Rhugla	1.667	4.082	10.000	.000	10.000	1	.000	.000
60 Roscar	19.167	34.412	115.000	.000	85.000	2	.828	.574
61 Rudhir	.833	2.041	5.000	.000	5.000	1	.000	.000
62 Scupar	11.667	28.577	70.000	.000	70.000	1	.000	.000
63 Silint	9.167	22.454	55.000	.000	55.000	1	.000	.000
64 Sisalb	11.667	24.014	70.000	.000	60.000	2	.592	.410
65 Smiste	.833	2.041	5.000	.000	5.000	1	.000	.000
66 Solmis f	3.333	8.165	20.000	.000	20.000	1	.000	.000
67 Solnem	20.000	24.900	120.000	.000	65.000	4	.807	1.118
68 Solspe	.833	2.041	5.000	.000	5.000	1	.000	.000
69 Sornut	44.167	34.557	265.000	.000	85.000	5	.902	1.452
70 Spicer	.833	2.041	5.000	.000	5.000	1	.000	.000
71 Spohet	65.833	24.376	395.000	40.000	100.000	6	.968	1.735
72 Stispa	29.167	42.239	175.000	.000	95.000	3	.784	.862
73 Versim	1.667	4.082	10.000	.000	10.000	1	.000	.000
74 Verstr	.833	2.041	5.000	.000	5.000	1	.000	.000
75 Viopal	4.167	10.206	25.000	.000	25.000	1	.000	.000
76 Viopam	5.000	12.247	30.000	.000	30.000	1	.000	.000
77 Vioped	18.333	12.111	110.000	10.000	40.000	6	.910	1.630
78 Viopeda	3.333	8.165	20.000	.000	20.000	1	.000	.000
79 Zizapt	9.167	16.253	55.000	.000	40.000	2	.845	.586
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AVERAGES:	10.865	15.452	65.190	.696	38.924	2.0	.313	.374
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