

Wet-mesic prairies

Summary of 3 Sites

N = 87 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness
1001	B	12.931	20.268	1125.000	.000	85.000	38	.932	3.390	11.40
902	B	16.322	21.220	1420.000	.000	90.000	51	.932	3.665	14.20
505	B	12.299	17.879	1070.000	.000	70.000	45	.924	3.519	10.70
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AVRS:		13.851	19.789	1205.000	.000	81.667	44.7	.929	3.525	12.10

Summary of stand structure

<u>Components</u>	<u>Relative Frequency</u>
Native graminoid	25.44
Native forbs	71.50
Native woody	0.97
Alien species	5.23

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)

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Andropogon scoparius	Andsco	45.00
Carex lanuginosa	Carlan	41.67
Andropogon gerardii	Andger	33.33
Spartina pectinata	Spapec	31.67
Juncus sp.	Junsp.	30.00
Sorghastrum nutans	Sornut	30.00
Panicum sp.	Pansp.	20.00
Calamagrostis canadensis	Calcan	16.67
Carex sp.??	Carsp.	13.33
Eleocharis compressa	Elecom	11.67
Juncus nodatus	Junnod	10.00
Sporobolus heterolepis	Spohet	10.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Silphium terebinthinaceum	Silter	53.33
Fragaria virginiana	Fravir	43.33
Pycnanthemum virginianum	Pycvir	40.00
Phlox pilosa	Phlpil	33.33
Zizia aurea	Zizaur	33.33
Rudbeckia hirta	Rudhir	31.67
Solidago riddellii	Solrid	28.33
Liatris spicata	Liaspi	26.67
Comandra umbellata	Comumb	25.00
Senecio pauperculus	Senpau	25.00
Galium boreale	Galbor	23.33
Thalictrum dasycarpum	Thadas	21.67
Galium obtusum	Galobt	20.00
Ratibida pinnata	Ratpin	20.00
Solidago altissima	Solalt	20.00
Convolvulus sepium	Consep	16.67
Cypripedium candidum	Cypcan	16.67
Helianthus grosseserratus	Helgro	16.67
Lycopus americanus	Lycame	16.67

Phlox glaberrima var. interior	Phlgl int	16.67
Prunella vulgaris var elongata	Pruvul elo	16.67
Sisyrinchium albidum	Sisalb	16.67
Viola sp.	Viosp.	16.67
Aster pilosus	Astpil	15.00
Physalis virginiana	Phyvir	15.00
Solidago gigantea	Solgig	15.00
Lactuca canadensis	Laccan	13.33
Lathyrus palustris	Latpal	13.33
Lathyrus venosus	Latven	13.33
Scutellaria parvula	Scupar	13.33
Anemone canadensis	Anecan	11.67
Antennaria neglecta	Antneg	11.67
Veronicastrum virginicum	Vervir	11.67
Oenothera pilosella	Oenpil	10.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Cornus racemosa	Corrac	10.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Poa pratensis*	Poapra	14.66
Agrostis alba *	Agralb	14.
Poa compressa*	Poacom	6.00
Achillea millefolium*	Achmil	5.33

Summary of 87 Species

N = 3 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Ambart	1.667	2.887	5.000	.000	5.000	1	.000	.000
2	Andger	33.333	24.664	100.000	5.000	50.000	3	.779	.856
3	Andsco	45.000	45.000	135.000	.000	90.000	2	.918	.637
4	Anecan	11.667	20.207	35.000	.000	35.000	1	.000	.000
5	Antneg	11.667	16.073	35.000	.000	30.000	2	.592	.410
6	Apiame	5.000	8.660	15.000	.000	15.000	1	.000	.000
7	Aposib	5.000	8.660	15.000	.000	15.000	1	.000	.000
8	Aschir	8.333	14.434	25.000	.000	25.000	1	.000	.000
9	Ascinc	1.667	2.887	5.000	.000	5.000	1	.000	.000
10	Astazu	5.000	8.660	15.000	.000	15.000	1	.000	.000
11	Asteri	8.333	10.408	25.000	.000	20.000	2	.722	.500
12	Astnov	5.000	8.660	15.000	.000	15.000	1	.000	.000
13	Astpil	15.000	18.028	45.000	.000	35.000	2	.764	.530
14	Astpun f	3.333	5.774	10.000	.000	10.000	1	.000	.000
15	Calcan	16.667	24.664	50.000	.000	45.000	2	.469	.325
16	Carbux	1.667	2.887	5.000	.000	5.000	1	.000	.000
17	Carlan	41.667	36.171	125.000	.000	65.000	2	.999	.692
18	Carsp.	13.333	23.094	40.000	.000	40.000	1	.000	.000
19	Cirdis	6.667	11.547	20.000	.000	20.000	1	.000	.000
20	Cirmut	5.000	8.660	15.000	.000	15.000	1	.000	.000
21	Comumb	25.000	13.229	75.000	10.000	35.000	3	.902	.991
22	Consep	16.667	24.664	50.000	.000	45.000	2	.469	.325
23	Corrac	10.000	8.660	30.000	.000	15.000	2	1.000	.693
24	Cypcan	16.667	28.868	50.000	.000	50.000	1	.000	.000
25	Drythe p	1.667	2.887	5.000	.000	5.000	1	.000	.000
26	Elecom	11.667	20.207	35.000	.000	35.000	1	.000	.000
27	Elycan	1.667	2.887	5.000	.000	5.000	1	.000	.000
28	Equarv	11.667	12.583	35.000	.000	25.000	2	.863	.598
29	Equlae	6.667	11.547	20.000	.000	20.000	1	.000	.000

30 Eristr	5.000	8.660	15.000	.000	15.000	1	.000	.000
31 Eupcor	3.333	5.774	10.000	.000	10.000	1	.000	.000
32 Fravir	43.333	18.930	130.000	30.000	65.000	3	.945	1.038
33 Galbor	23.333	40.415	70.000	.000	70.000	1	.000	.000
34 Galobt	20.000	26.458	60.000	.000	50.000	2	.650	.451
35 Genand	8.333	14.434	25.000	.000	25.000	1	.000	.000
36 Helgro	16.667	28.868	50.000	.000	50.000	1	.000	.000
37 Helrig	6.667	11.547	20.000	.000	20.000	1	.000	.000
38 Heuric	5.000	8.660	15.000	.000	15.000	1	.000	.000
39 Junnod	10.000	17.321	30.000	.000	30.000	1	.000	.000
40 Junsp.	30.000	51.962	90.000	.000	90.000	1	.000	.000
41 Kribif	3.333	5.774	10.000	.000	10.000	1	.000	.000
42 Laccan	13.333	18.930	40.000	.000	35.000	2	.544	.377
43 Latpal	13.333	12.583	40.000	.000	25.000	2	.954	.662
44 Latven	13.333	12.583	40.000	.000	25.000	2	.954	.662
45 Liapyc	1.667	2.887	5.000	.000	5.000	1	.000	.000
46 Liaspi	26.667	34.034	80.000	.000	65.000	2	.696	.483
47 Lilmic	1.667	2.887	5.000	.000	5.000	1	.000	.000
48 Lobspi	8.333	10.408	25.000	.000	20.000	2	.722	.500
49 Lycame	16.667	15.275	50.000	.000	30.000	2	.971	.673
50 Lysqua	6.667	11.547	20.000	.000	20.000	1	.000	.000
51 Lytala	5.000	5.000	15.000	.000	10.000	2	.918	.637
52 Oenpil	10.000	17.321	30.000	.000	30.000	1	.000	.000
53 Oxyrig	6.667	11.547	20.000	.000	20.000	1	.000	.000
54 Pancla	1.667	2.887	5.000	.000	5.000	1	.000	.000
55 Panlan	1.667	2.887	5.000	.000	5.000	1	.000	.000
56 Pansp.	20.000	34.641	60.000	.000	60.000	1	.000	.000
57 Panvir	6.667	11.547	20.000	.000	20.000	1	.000	.000
58 Pedcan	5.000	8.660	15.000	.000	15.000	1	.000	.000
59 Petpur	1.667	2.887	5.000	.000	5.000	1	.000	.000
60 Phlgla i	16.667	15.275	50.000	.000	30.000	2	.971	.673
61 Phlpil	33.333	28.431	100.000	10.000	65.000	3	.780	.857
62 Phyvri	15.000	15.000	45.000	.000	30.000	2	.918	.637
63 Prerac	1.667	2.887	5.000	.000	5.000	1	.000	.000
64 Pruvul e	16.667	28.868	50.000	.000	50.000	1	.000	.000
65 Pruvul l	3.333	5.774	10.000	.000	10.000	1	.000	.000
66 Pycvir	40.000	13.229	120.000	25.000	50.000	3	.964	1.059
67 Ratpin	20.000	20.000	60.000	.000	40.000	2	.918	.637
68 Rudhir	31.667	20.207	95.000	20.000	55.000	3	.885	.972
69 Salgla	1.667	2.887	5.000	.000	5.000	1	.000	.000
70 Scupar	13.333	18.930	40.000	.000	35.000	2	.544	.377
71 Senpau	25.000	34.641	75.000	5.000	65.000	3	.442	.485
72 Silint	6.667	11.547	20.000	.000	20.000	1	.000	.000
73 Silter	53.333	15.275	160.000	40.000	70.000	3	.976	1.072
74 Sisalb	16.667	28.868	50.000	.000	50.000	1	.000	.000
75 Solalt	20.000	17.321	60.000	10.000	40.000	3	.790	.868
76 Solgig	15.000	25.981	45.000	.000	45.000	1	.000	.000
77 Solrid	28.333	7.638	85.000	20.000	35.000	3	.977	1.073
78 Solrig	1.667	2.887	5.000	.000	5.000	1	.000	.000
79 Sornut	30.000	30.000	90.000	.000	60.000	2	.918	.637
80 Spapac	31.667	46.188	95.000	5.000	85.000	3	.373	.409
81 Spohet	10.000	17.321	30.000	.000	30.000	1	.000	.000
82 Thadas	21.667	22.546	65.000	.000	45.000	2	.890	.617
83 Vervir	11.667	20.207	35.000	.000	35.000	1	.000	.000
84 Viocuc	3.333	5.774	10.000	.000	10.000	1	.000	.000
85 Viopap	5.000	8.660	15.000	.000	15.000	1	.000	.000
86 Viosp.	16.667	28.868	50.000	.000	50.000	1	.000	.000
87 Zizaur	33.333	20.207	100.000	15.000	55.000	3	.887	.975

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AVERAGES:	13.851	16.095	41.552	2.241	31.379	1.5	.323	.269
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