

Wet-mesic dolomite prairies

Summary of 3 Sites N = 67 Species

No.	Qual.	Mean Sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H	Mean Native Plot Richness
881	B	10.821	20.736	725.000	.000	85.000	24	.898	2.855	7.95
882	B	9.254	14.854	620.000	.000	75.000	36	.903	3.236	6.20
936	B	15.597	20.366	1045.000	.000	90.000	42	.921	3.442	10.45
AVRS:		11.891	18.652	796.667	.000	83.333	34.0	.908	3.178	8.2

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

Components	Relative Frequency
Native graminoid	38.79
Native forbs	56.19
Native woody	1.59
Alien species	3.39

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

Species	Abbreviation	Frequency
Carex sp.	Carsp.	66.67
Deschampsia cespitosa ssp glauca	Desces gla	43.33
Juncus canadensis?	Juncan	33.33
Carex sp.1	Carsp.1	25.00
Spartina pectinata	Spapec	25.00
Sorghastrum nutans	Sornut	23.33
Andropogon gerardii	Andger	18.33
Panicum flexile	Panfle	16.66
Eleocharis compressa	Elecom	15.00
Andropogon scoparius	Andsco	13.33
Panicum sp.	Pansp.	13.33

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

Species	Abbreviation	Frequency
Solidago ohioensis	Solohi	53.33
Solidago riddellii	Solrid	50.00
Satureja arkansana	Satark	40.00
Lysimachia quadriflora	Lysqua	38.33
Solidago gigantea	Solgig	25.00
Pycnanthemum virginianum	Pycvir	20.00
Senecio pauperculus	Senpau	18.33
Lythrum alatum	Lytala	15.00
Rudbeckia hirta	Rudhir	15.00
Fragaria virginiana	Fravir	13.33
Aster puniceus	Astpun	13.33
Allium canadense	Allcan	13.33
Phlox glaberrima	Phlgl	11.67
Lycopus sp.	Lycsp.	10.00
Agalinis purpurea var parviflora	Agapur par	10.00

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Cornus sp.	Corssp.	5.00
Salix glaucophylloides	Salgla	8.33

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

<u>Species</u>	<u>Abbreviation</u>	<u>Frequency</u>
Pastinaca sativa*	Passat	11.67
Poa compressa*	Poacom	5.00
Achillea millefolium*	Achmil	5.00

Summary of 67 Species

N = 3 Sites

Num.	Name	Mean sp. Frequency	Stand.Dev.	Sum	Minimum Frequency	Maximum Frequency	S	E	H
1	Agapur	8.333	10.408	25.000	.000	20.000	2	.722	.500
2	Agapur	10.000	17.321	30.000	.000	30.000	1	.000	.000
3	Allcan	13.333	23.094	40.000	.000	40.000	1	.000	.000
4	Andger	18.333	18.930	55.000	5.000	40.000	3	.691	.760
5	Andsco	13.333	12.583	40.000	.000	25.000	2	.954	.662
6	Aposib	1.667	2.887	5.000	.000	5.000	1	.000	.000
7	Astazu	3.333	5.774	10.000	.000	10.000	1	.000	.000
8	Asteri	3.333	5.774	10.000	.000	10.000	1	.000	.000
9	Astnov	11.667	5.774	35.000	5.000	15.000	3	.914	1.004
10	Astpun	13.333	18.930	40.000	.000	35.000	2	.544	.377
11	Astsp.	1.667	2.887	5.000	.000	5.000	1	.000	.000
12	Bidsp.	8.333	10.408	25.000	.000	20.000	2	.722	.500
13	Blecil	3.333	5.774	10.000	.000	10.000	1	.000	.000
14	Cacpla	11.667	20.207	35.000	.000	35.000	1	.000	.000
15	Carsp.	43.333	42.525	130.000	.000	85.000	2	.931	.645
16	Carsp1	25.000	43.301	75.000	.000	75.000	1	.000	.000
17	Carsp2	3.333	5.774	10.000	.000	10.000	1	.000	.000
18	Carste	6.667	11.547	20.000	.000	20.000	1	.000	.000
19	Cirnut	5.000	8.660	15.000	.000	15.000	1	.000	.000
20	Consep	3.333	5.774	10.000	.000	10.000	1	.000	.000
21	Corssp.	5.000	5.000	15.000	.000	10.000	2	.918	.637
22	Desces g	18.333	23.629	55.000	.000	45.000	2	.684	.474
23	Desces g	25.000	43.301	75.000	.000	75.000	1	.000	.000
24	Dicot	3.333	5.774	10.000	.000	10.000	1	.000	.000
25	Elecom	15.000	25.981	45.000	.000	45.000	1	.000	.000
26	Elesp.	5.000	8.660	15.000	.000	15.000	1	.000	.000
27	Equarv	5.000	5.000	15.000	.000	10.000	2	.918	.637
28	Equulae	8.333	14.434	25.000	.000	25.000	1	.000	.000
29	Eupper	5.000	8.660	15.000	.000	15.000	1	.000	.000
30	Eupser	1.667	2.887	5.000	.000	5.000	1	.000	.000
31	Fravir	13.333	12.583	40.000	.000	25.000	2	.954	.662
32	Genpro	1.667	2.887	5.000	.000	5.000	1	.000	.000
33	Helaut	5.000	8.660	15.000	.000	15.000	1	.000	.000
34	Juncan	33.333	30.551	100.000	.000	60.000	2	.971	.673
35	Junsp.	1.667	2.887	5.000	.000	5.000	1	.000	.000
36	Junsp2	3.333	5.774	10.000	.000	10.000	1	.000	.000
37	Liaspi	3.333	5.774	10.000	.000	10.000	1	.000	.000
38	Lycame	5.000	8.660	15.000	.000	15.000	1	.000	.000
39	Lycsp.	10.000	10.000	30.000	.000	20.000	2	.918	.637
40	Lysqua	38.333	15.275	115.000	25.000	55.000	3	.953	1.047
41	Lysthy	1.667	2.887	5.000	.000	5.000	1	.000	.000
42	Lytala	15.000	18.028	45.000	.000	35.000	2	.764	.530
43	Mosssp.	10.000	17.321	30.000	.000	30.000	1	.000	.000
44	Muhfro	5.000	8.660	15.000	.000	15.000	1	.000	.000

45 Oenbie	3.333	5.774	10.000	.000	10.000	1	.000	.000
46 Panfle	16.667	15.275	50.000	.000	30.000	2	.971	.673
47 Pansp.	13.333	12.583	40.000	.000	25.000	2	.954	.662
48 Pansp1	1.667	2.887	5.000	.000	5.000	1	.000	.000
49 Pansp2	1.667	2.887	5.000	.000	5.000	1	.000	.000
50 Pedlan	1.667	2.887	5.000	.000	5.000	1	.000	.000
51 Phlgla	11.667	16.073	35.000	.000	30.000	2	.592	.410
52 Pycvir	20.000	15.000	60.000	5.000	35.000	3	.808	.888
53 Rudhir	15.000	21.794	45.000	.000	40.000	2	.503	.349
54 Salgla	8.333	14.434	25.000	.000	25.000	1	.000	.000
55 Satark	40.000	40.927	120.000	5.000	85.000	3	.658	.723
56 Sciatr	1.667	2.887	5.000	.000	5.000	1	.000	.000
57 Senpau	18.333	16.073	55.000	.000	30.000	2	.994	.689
58 Sensp.	3.333	5.774	10.000	.000	10.000	1	.000	.000
59 Solgig	25.000	35.000	75.000	.000	65.000	2	.567	.393
60 Solgym	3.333	5.774	10.000	.000	10.000	1	.000	.000
61 Solohi	53.333	47.258	160.000	.000	90.000	2	.989	.685
62 Solrid	50.000	30.414	150.000	15.000	70.000	3	.863	.948
63 Somut	23.333	20.817	70.000	.000	40.000	2	.985	.683
64 Spapac	25.000	20.000	75.000	5.000	45.000	3	.777	.853
65 Verhas	5.000	5.000	15.000	.000	10.000	2	.918	.637
66 Viopap	6.667	11.547	20.000	.000	20.000	1	.000	.000
67 Viosp.	1.667	2.887	5.000	.000	5.000	1	.000	.000
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AVERAGES:	11.891	13.814	35.672	.970	26.418	1.5	.345	.274
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