

Table 10. Herbaceous species found at study sites, ranked by abundance (number of stems) in engineered and intact sites. (Values have been standardized by multiplying engineered numbers by 11/5 to even out difference in number of sites sampled.)

\* indicates alien/non-native species

**Ranked by abundance on intact sites.**

Species	intact	engineered
<i>Sedum ternatum</i>	1043	396
<i>Tiarella cordifolia</i>	872	180
<i>Dicentra cucullaria</i>	702	0
<i>Aster sp.</i>	377	202
<i>Urtica dioica</i>	305	2
<i>Fragaria virginiana</i>	292	37
<i>Osmorhiza claytonii</i>	292	20
<i>Erythronium americanum</i>	279	15
<i>Dentaria maxima</i>	270	0
<i>Viola sp.</i>	256	154
<i>Meehania cordata</i>	245	0
<i>Stellaria pubera*</i>	241	207
<i>Botrychium sp.</i>	236	15
<i>Asarum canadense</i>	215	156
<i>Polygonum sp.</i>	192	249
<i>Podophyllum peltatum</i>	182	132
<i>Arisaema triphyllum</i>	179	90
<i>Polystichum acrostichoides</i>	172	55
<i>Anemonella thalictroides</i>	171	77
<i>Glechoma hederacea*</i>	149	42
<i>Claytonia caroliniana</i>	143	2
<i>Geranium maculatum</i>	139	112
<i>Trillium grandiflorum</i>	136	40
<i>Lactuca sp.</i>	107	141
<i>Smilacina racemosa</i>	99	2
<i>Delphinium tricorne</i>	94	156
<i>Impatiens capensis</i>	92	22
<i>Viola blanda</i>	89	0
<i>Galium aparine</i>	85	77
<i>Dentaria multifida</i>	77	2
<i>Hydrophyllum macrophyllum</i>	76	22
<i>Medeola virginiana</i>	75	29
<i>Caulophyllum thalictroides</i>	73	0
<i>Hepatica acutiloba</i>	65	0
<i>Polygonatum biflorum</i>	57	13
<i>Viola rostrata</i>	52	132
<i>Lycopus virginicus</i>	50	0
low 3-leaves	50	0
<i>Galium sp.</i>	47	64
<i>Mitchella repens</i>	38	13
3-3 leaf	38	0
<i>Panax trifolium</i>	36	0
<i>Sanguinaria canadensis</i>	35	13
<i>Galium triflorum</i>	27	11
<i>Actaea pachypoda</i>	26	2
<i>Phlox stolonifera</i>	26	0
<i>Dioscoria quaternata</i>	24	20
<i>Galium circaeans</i>	23	121
<i>Viola papilionacea</i>	23	62
<i>Disporum languinosum</i>	23	31
<i>Allium tricoccum</i>	21	0
<i>Polemonium reptans</i>	18	200
<i>Carex plantaginea</i>	17	0
<i>Carex</i> , narrow	17	0
<i>Potentilla canadensis</i>	16	79
<i>Viola canadensis</i>	16	26
<i>Pedicularis canadensis</i>	12	57
Unk composite	12	2
<i>Chimaphila maculata</i>	12	0
<i>Viola macloskeyi (V. pallens)</i>	11	0

**Ranked by abundance on engineered sites.**

intact	engineered	Species
1043	396	<i>Sedum ternatum</i>
872	249	<i>Polygonum sp.</i>
702	207	<i>Stellaria pubera*</i>
377	202	<i>Aster sp.</i>
305	200	<i>Polemonium reptans</i>
292	180	<i>Tiarella cordifolia</i>
292	161	<i>Senecio aureus</i>
279	156	<i>Asarum canadense</i>
270	156	<i>Delphinium tricorne</i>
256	154	<i>Viola sp.</i>
245	141	<i>Lactuca sp.</i>
241	132	<i>Podophyllum peltatum</i>
236	132	<i>Viola rostrata</i>
215	121	<i>Galium circaeans</i>
192	112	<i>Geranium maculatum</i>
182	90	<i>Arisaema triphyllum</i>
179	84	<i>Phlox sp.</i>
172	79	<i>Potentilla canadensis</i>
171	77	<i>Anemonella thalictroides</i>
149	77	<i>Galium aparine</i>
143	64	<i>Galium sp.</i>
139	62	<i>Viola papilionacea</i>
136	57	<i>Pedicularis canadensis</i>
107	55	<i>Polystichum acrostichoides</i>
99	42	<i>Glechoma hederacea*</i>
94	40	<i>Trillium grandiflorum</i>
92	37	<i>Fragaria virginiana</i>
89	33	<i>Carex sp.</i>
85	31	<i>Disporum languinosum</i>
77	29	<i>Medeola virginiana</i>
76	29	<i>Smilax sp.</i>
75	29	<i>Viola pedata</i>
73	26	<i>Viola canadensis</i>
65	24	<i>Viola rotundifolia</i>
57	24	<i>Agrimonia striata</i>
52	22	<i>Impatiens capensis</i>
50	22	<i>Hydrophyllum macrophyllum</i>
50	22	<i>Goodyera repens</i>
47	22	Unk ground cover, purple
38	20	<i>Osmorhiza claytonii</i>
38	20	<i>Dioscoria quaternata</i>
36	15	<i>Erythronium americanum</i>
35	15	<i>Botrychium sp.</i>
27	13	<i>Polygonatum biflorum</i>
26	13	<i>Mitchella repens</i>
26	13	<i>Sanguinaria canadensis</i>
24	13	heart leaf herb
23	11	<i>Galium triflorum</i>
23	11	<i>Antennaria plantaginifolia</i>
23	11	<i>Carex blanda</i>
21	11	<i>Senecio obovatus</i>
18	7	6 thin-leaved galium
17	4	<i>Viola striata</i>
17	2	<i>Urtica dioica</i>
16	2	<i>Claytonia caroliniana</i>
16	2	<i>Smilacina racemosa</i>
12	2	<i>Dentaria multifida</i>
12	2	<i>Actaea pachypoda</i>
12	2	Unk composite
11	2	<i>Zizia aurea</i>

Table 10 (con't)

## Ranked by abundance on intact sites.

	intact	engineered
<b>Species</b>		
<i>Viola pennsylvanica</i>	11	0
<i>Viola rotundifolia</i>	8	24
Sedge 2 (pale, broad)	6	0
<i>Carex sp.</i>	5	33
<i>Adiantum pedatum</i>	5	0
Unk -geranium like	4	0
<i>Phlox sp.</i>	3	84
<i>Smilax sp.</i>	3	29
<i>Potentilla sp.</i>	3	0
Unk- 3 mitten leaf	3	0
Unk fern	3	0
Unk - purple flower "rue"	3	0
<i>Goodyera repens</i>	2	22
<i>Zizia aurea</i>	2	2
<i>Epifagus virginiana</i>	2	0
<i>Waldsteinia fragarioides</i>	2	0
<i>Solidago sp.</i>	1	2
<i>Asparagus officinalis</i> *	1	0
Unk -- very hirsute	1	0
Unk -- round leaf	1	0
Unk ground cover	1	0
<i>Senecio aureus</i>	0	161
<i>Viola pedata</i>	0	29
<i>Agrimonia striata</i>	0	24
Unk ground cover, purple	0	22
heart leaf herb	0	13
<i>Antennaria plantaginifolia</i>	0	11
<i>Carex blanda</i>	0	11
<i>Senecio obovatus</i>	0	11
Unk 6 thin-leaved galium	0	7
<i>Viola striata</i>	0	4
<i>Ranunculus sp.</i>	0	2
<i>Stellaria media</i>	0	2
Unk - tomentose	0	2

## Ranked by abundance on engineered sites.

intact	engineered	Species
11	2	<i>Solidago sp.</i>
8	2	<i>Ranunculus sp.</i>
6	2	<i>Stellaria media</i>
5	2	Unk - tomentose
5	0	<i>Dicentra cucullaria</i>
4	0	<i>Dentaria maxima</i>
3	0	<i>Meehania cordata</i>
3	0	<i>Viola blanda</i>
3	0	<i>Caulophyllum thalictroides</i>
3	0	<i>Hepatica acutiloba</i>
3	0	<i>Lycopus virginicus</i>
3	0	low 3-leave
2	0	3-3 leaf
2	0	<i>Panax trifolium</i>
2	0	<i>Phlox stolonifera</i>
2	0	<i>Allium tricoccum</i>
1	0	<i>Carex plantaginea</i>
1	0	<i>Carex</i> , narrow
1	0	<i>Chimaphila maculata</i>
1	0	<i>Viola macloskeyi (V. pallens)</i>
1	0	<i>Viola pennsylvanica</i>
0	0	Sedge 2 (pale, broad)
0	0	<i>Adiantum pedatum</i>
0	0	Unk -geranium like
0	0	<i>Potentilla sp.</i>
0	0	Unk- 3 mitten leaf
0	0	Unk fern
0	0	Unk- purple flower "rue"
0	0	<i>Epifagus virginiana</i>
0	0	<i>Waldsteinia fragarioides</i>
0	0	<i>Asparagus officinalis</i> *
0	0	Unk -- very hirsute
0	0	Unk -- round leaf
0	0	Unk ground cover