

MR-S Transect - Alphabetical List of Species and Percent Cover
1998 - 2008

Year	1998		2000		2001		2002		2003		2004		2005		2006		2007		2008		Species	
	Rainfall Apr.-Sept.		high	high	low	average	high	average	low	high	average	low	high	average	high	average	high	average	high	average		
Species	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover
Acer rubrum	0	0.0	0	0.0	4	3.3	4	3.3	5	4.2	5	4.2	7	5.8	14	11.7	20	16.7	16.7	14.1	Acer rubrum	
Acer saccharinum *	10	8.3	10	8.3	10	8.3	10	8.3	10	8.3	9	7.5	10	8.3	13	10.8	10	8.3	10	8.3	10	8.3
Apios americana	0	0.0	1	0.8	1	0.8	0	0.0	0	0.0	0	0.0	2	1.7	6	5.0	3	2.5	5	4.2	5	4.2
Bidens connata	0	0.0	0	0.0	3	2.5	0	0.0	0	0.0	0	0.0	3	2.5	0	0.0	6	5.0	6	5.0	6	5.0
Bohemeria cylindrica	2	1.7	7	5.8	7	5.8	7	5.8	8	6.7	16	13.3	12	10.0	7	5.8	11	9.2	11	9.2	11	9.2
Cardamine sp.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0
#Carex sp.	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	2	1.7	2	1.7
Chelone glabra	0	0.0	0	0.0	2	1.7	1	0.8	3	2.5	2	1.7	1	0.8	2	1.7	0	0.0	3	2.5	3	2.5
Cinna latifolia	3	2.5	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cornus amomum	7	5.8	10	8.3	10	8.3	6	5.0	11	9.2	15	12.5	15	12.5	13	10.8	12	10.0	7	5.8	7	5.8
Cornus amomum SDLG	0	0.0	1	0.8	1	0.8	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cuscuta gronovii	4	3.3	0	0.0	10	8.3	5	4.2	0	0.0	3	2.5	14	11.7	0	0.0	20	16.7	0	0.0	0	0.0
Epilobium coloratum	0	0.0	1	0.8	0	0.0	2	1.7	1	0.8	3	2.5	3	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Eupatorium maculatum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0
Geum laciniatum	1	0.8	0	0.0	0	0.0	0	0.0	2	1.7	0	0.0	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0
Helenium autumnale	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	2	1.7	1	0.8	0	0.0	0	0.0	0	0.0
Hibiscus moscheutos	3	2.5	5	4.2	5	4.2	6	5.0	4	3.3	8	6.7	6	5.0	3	2.5	2	1.7	2	1.7	2	1.7
Impatiens capensis	39	32.5	51	42.5	51	42.5	83	69.2	68	56.7	89	74.2	89	74.2	26	21.7	77	64.2	69	57.5	69	57.5
Leersia oryzoides	4	3.3	10	8.3	3	2.5	1	0.8	3	2.5	0	0.0	3	2.5	11	9.2	14	11.7	11	9.2	11	9.2
Lindera benzoin	7	5.8	9	7.5	5	4.2	5	4.2	5	4.2	7	5.8	7	5.8	6	5.0	5	4.2	1	0.8	1	0.8
Lobelia cardinalis	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.8	1	0.8
Lonicera morowii	0	0.0	0	0.0	0	0.0	4	3.3	0	0.0	0	0.0	0	0.0	5	4.2	4	3.3	1	0.8	1	0.8
Lycopus americana	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	2	1.7	0	0.0	1	0.8	1	0.8
Lythrum salicaria	1	0.8	8	6.7	19	15.8	13	10.8	17	14.2	14	11.7	28	23.3	25	20.8	20	16.7	18	15.0	18	15.0
Mentha arvensis	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mikania scandens	78	65.0	43	35.8	34	28.3	38	31.7	26	21.7	40	33.3	55	45.8	60	50.0	12	10.0	30	25.0	30	25.0
Mimulus ringens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	3	2.5	2	1.7	0	0.0	2	1.7	2	1.7
Onoclea sensibilis	1	0.8	2	1.7	6	5.0	0	0.0	0	0.0	3	2.5	3	2.5	3	2.5	0	0.0	0	0.0	0	0.0
Parthenocissus quinquefolia	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	1	0.8	2	1.7	1	0.8	1	0.8	1	0.8
Peltandra virginica	2	1.7	13	10.8	10	8.3	10	8.3	15	12.5	16	13.3	12	10.0	14	11.7	18	15.0	8	6.7	8	6.7
Pilea pumila	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	17	14.2	11	9.2	11	9.2	21	17.5	13	10.8	13	10.8
Polygonum arifolium	11	9.2	0	0.0	10	8.3	0	0.0	15	12.5	26	21.7	19	15.8	8	6.7	21	17.5	8	6.7	8	6.7
Polygonum hydropiper	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	6	5.0	2	1.7	1	0.8	1	0.8
Polygonum pennsylvanicum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	1	0.8	0	0.0	0	0.0
Polygonum sagittatum	0	0.0	5	4.2	3	2.5	3	2.5	7	5.8	15	12.5	14	11.7	1	0.8	21	17.5	34	28.3	34	28.3
Rosa multiflora	2	1.7	5	4.2	1	0.8	5	4.2	1	0.8	0	0.0	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0
Sambucus canadensis	1	0.8	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Scutellaria laterifolia	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0
Solanum dulcamara	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	2	1.7	2	1.7	0	0.0	0	0.0
Solidago uliginosa	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Strophostylus helvola	2	1.7	1	0.8	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Symplocarpus foetidus	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Symphotrichum lanceolata	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.8	2	1.7	4	3.3	0	0.0	0	0.0	0	0.0
Toxicodendron radicans	0	0.0	0	0.0	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0
Typha angustifolia	80	66.7	94	78.3	96	80.0	98	81.7	90	75.0	100	83.3	92	76.7	74	61.7	67	55.8	76	63.3	76	63.3
Vernonia novaboracensis	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Viburnum dentatum	10	8.3	17	14.2	12	10.0	14	11.7	15	12.5	14	11.7	18	15.0	25	20.8	22	18.3	15	12.5	15	12.5
V. dentatum SDLG	0	0.0	0	0.0	0	0.0	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	274	228.3	293	244.2	310	258.3	324	270.0	308	256.7	406	338.3	431	359.2	349	290.8	387	322.5	356	296.6	356	296.6
Number of Species	23		17		27		23		21		17		27		35		25		26		26	

* Overhanging branches of tree rooted on adjacent levee

MR-S Transect - Summary of Species by Percent Cover in 2008
1998 - 2008

Year	1998		2000		2001		2002		2003		2004		2005		2006		2007		2008		Species	
	Rainfall Apr.-Sept.		high	high	low	average	high	average	low	high	average	low	high	average	high	average	high	average	high	average		
Species	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover	Total	%Cover
Typha angustifolia	80	66.7	94	78.3	96	80.0	98	81.7	90	75.0	100	83.3	92	76.7	74	61.7	67	55.8	76	63.3	76	63.3
Impatiens capensis	39	32.5	51	42.5	51	42.5	83	69.2	68	56.7	89	74.2	89	74.2	26	21.7	77	64.2	69	57.5	69	57.5
Polygonum sagittatum	0	0.0	5	4.2	3	2.5	3	2.5	7	5.8	15	12.5	14	11.7	1	0.8	21	17.5	34	28.3	34	28.3
Mikania scandens	78	65.0	43	35.8	34	28.3	38	31.7	26	21.7	40	33.3	55	45.8	60	50.0	12	10.0	30	25.0	30	25.0
Acer rubrum	0	0.0	0	0.0	4	3.3	4	3.3	5	4.2	5	4.2	5	4.2	7	5.8	14	11.7	20	16.7	20	16.7
Lythrum salicaria	1	0.8	8	6.7	19	15.8	13	10.8	17	14.2	14	11.7	28	23.3	25	20.8	20	16.7	18	15.0	18	15.0
Viburnum dentatum	10	8.3	17	14.2	12	10.0	14	11.7	15	12.5	14	11.7	18	15.0	25	20.8	22	18.3	15	12.5	15	12.5
Pilea pumila	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	17	14.2	11	9.2	11	9.2	21	17.5	13	10.8	13	10.8
Bohemeria cylindrica	2	1.7	7	5.8	7	5.8	7	5.8	8	6.7	16	13.3	12	10.0	7	5.8	11	9.2	11	9.2	11	9.2
Leersia oryzoides	4	3.3	10	8.3	3	2.5	1	0.8	3	2.5	0	0.0	3	2.5	11	9.2	14	11.7	11	9.2	11	9.2
Acer saccharinum *	10	8.3	10	8.3	10	8.3	10	8.3	10	8.3	9	7.5	10	8.3	13	10.8	10	8.3	10	8.3	10	8.3
Peltandra virginica	2	1.7	13	10.8	10	8.3	10	8.3	15	12.5	16	13.3	12	10.0	14	11.7	18	15.0	8	6.7	8	6.7
Polygonum arifolium	11	9.2	0	0.0	10	8.3	0	0.0	15	12.5	26	21.7	19	15.8	8	6.7	21	17.5	8	6.7	8	6.7
Cornus amomum	7	5.8	10	8.3	10	8.3	6	5.0	11	9.2	15	12.5	15	12.5	13	10.8	12	10.0	7			