US EPA ARCHIVE DOCUMENT

Table 1. Pre-burn (1991) and post-burn (1992) frequency (%) and density (#/ha) for shrubs, vines, tree seedlings and saplings at the savanna restoration site at Forest Glen Preserve.

Species	Frequency (%) 1991	Frequency (%) 1992	Density (#/ha) 1991	Density (#/ha) 1992
Shrubs and vines				
Rubus allegheniensis Porter	66	93	--	14467
Rosa multiflora Thunb.	30	40	--	700
Toxicodendron radicans (L.) Kuntze	8	10	--	433
Rubus occidentalis L.	8	5	--	--
Smilax hispida Muhl.	1	0	--	--
Rubus flagellaris Willd.	0	10	--	1000
Rosa spp.	0	3	--	67
Totals			--	16667
Tree Seedlings				
Prunus serotina Ehrh.	30	33	1380	667
Juglans nigra L.	13	0	420	0
Sassafras albidum (Nutt.) Nees	13	27	160	1700
Malus ioensis (Wood) Britt.	7	13	120	267
Elaeagnus umbellata Thunb.	4	0	40	0
Gleditsia triacanthos L.	4	0	160	0
Quercus imbricaria Michx.	2	0	40	0
Acer saccharum Marsh	1	0	20	0
Carya cordiformis (Wang.) K. Koch	1	0	20	0
Carya ovata (Mill.) K. Koch	1	0	20	0
Diospyros virginiana L.	1	0	20	0
Fraxinus americana L.	1	0	20	0
Juniperus virginiana L.	1	0	20	0
Platanus occidentalis L.	1	0	20	0
Quercus alba L.	1	0	20	0
Quercus velutina Lam.	1	0	20	0
Quercus macrocarpa Michx.	1	0	20	0
Ulmus rubra Muhl.	1	7	20	67
Viburnum prunifolium L.	1	0	20	0
Cornus drummondii C. D. Mey.	0	3	0	33
Totals			2540	2734
Tree Saplings				
Prunus serotina Ehrh.	24	13	172	17
Juglans nigra L.	4	0	8	0
Sassafras albidum (Nutt.) Nees	5	10	8	10
Malus ioensis (Wood) Britt.	1	0	4	0
Quercus imbricaria Michx.	1	0	2	0
Acer saccharum Marsh	1	3	2	3
Carya ovata (Mill.) K. Koch	1	0	2	0
Juniperus virginiana L.	1	0	2	0
Platanus occidentalis L.	2	0	4	0
Quercus alba L.	4	0	6	0
Quercus macrocarpa Michx.	1	0	2	0
Ulmus rubra Muhl.	1	7	4	13
Totals			216	43

Table 2. The extent of top killing and reprouting (from the base and from the trunk) by height classes (m) for the dominant tree species at the savanna restoration site at Forest Glen Preserve.

Height Classes (m)	Not Top Killed	Top Killed Not Resprouting	Top Killed Resprouting From Base	Top Killed Resprouting From Trunk	Total Stems
Quercus alba L.					
<1	0	0	2	2	4
1-2	0	0	2	0	2
2-3	2	0	2	0	4
3-4	3	0	0	1	4
>4	21	0	0	0	21
Quercus imbricaria Michx.					
<1	0	0	42	0	42
1-2	2	3	18	0	23
2-3	5	1	17	5	28
3-4	12	0	5	0	17
>4	68	0	0	6	74
Quercus macrocarpa Michx.					
<1	1	0	5	0	6
1-2	1	0	0	0	1
2-3	5	0	0	0	5
3-4	4	0	0	0	4
>4	23	0	0	0	23
Quercus velutina Lam. and *Q. rubra* L.					
<1	0	0	0	0	0
1-2	0	0	1	0	1
2-3	2	0	5	0	7
3-4	1	0	0	0	1
>4	23	0	0	1	24
Juglans nigra L.					
<1	1	2	37	2	42
1-2	11	4	83	10	108
2-3	46	7	51	8	112
3-4	33	0	1	1	35
>4	60	0	0	0	60