

**List of plant species occurring at Smith Creek Preserve – Updated 15 March 2009 - 208 taxa.**

<b>Scientific name</b>	<b>Common name</b>	<b>Strata</b>	<b>Freq.</b>	<b>Habitat</b>	<b>Source</b>
<b>PTERIDOPHYTES</b>					
Aspleniaceae					
<i>Asplenium platyneuron</i>	ebony spleenwort	herb			3
<i>Asplenium rhizophyllum</i>	walking spleenwort	herb	3	E	2
Dryopteridaea					
<i>Polystichum acrostichoides</i>	Christmas fern	herb	3		1
Ophioglossaceae					
<i>Botrychium virginianum</i>	rattlesnake fern	herb			6
Polypodiaceae					
<i>Polyopidium virginianum ?</i>	rock polypody	herb	2	E	9
Pteridaceae					
<i>Adiantum pedatum</i> var. <i>pedatum</i>	northern maidenhair fern	herb			2
<i>Pellaea atropurpurea</i>	purple-stemmed cliffbrake	herb	2	E	9
<b>GYMNOSPERMS</b>					
Cupressaceae					
<i>Juniperus virginiana</i> var. <i>virginiana</i>	eastern red cedar	tree, sap	3		1
<b>ANGIOSPERMS – Magnoliopsida (dicots)</b>					
Aceraceae					
<i>Acer negundo</i> var. <i>negundo</i>	box elder	tree, sap, shrub			1
<i>Acer rubrum</i> var. <i>rubrum</i>	red maple	tree, sap	3		1
<i>Acer saccharum</i> var. <i>saccharum</i>	sugar maple	tree, sap, shrub			1
Altingiaceae					
<i>Liquidambar styraciflua</i>	sweet gum	tree, sap	3		1
Anacardiaceae					
<i>Toxicodendron radicans</i>	eastern poison ivy	woody vine	5		1
Annonaceae					
<i>Asimina triloba</i>	pawpaw	herb			6
Apiaceae					
<i>Cryptotaenia canadensis</i>	Canada honewort	herb			6
<i>Erigenia bulbosa</i>	harbinger of spring	herb			3
<i>Osmorhiza longistylis</i>	sweet anise	herb			2
<i>Sanicula canadensis</i> var. <i>canadensis</i>	Canada black snakeroot	herb			2
<i>Sanicula odorata</i>	clustered black snakeroot	herb			6
<i>Zizia aurea</i>	golden Alexanders	herb			6
Araliaceae					
<i>Aralia spinosa</i>	devil's walking stick	shrub, sap	4		1
Aristolochiaceae					
<i>Asarum canadense</i>	Canada wild ginger	herb	3		1
<i>Aristolochia serpentaria</i>	Virginia snakeroot	herb			6
Aslepiadaceae					
<i>Asclepias quadrifolia</i>	fourleaf milkweed	herb	3		1
Asteraceae					
<i>Antennaria</i> sp.	pussystoes	herb	4		1
<i>Boltonia asteroides</i>	white doll's daisy	herb			6
<i>Coreopsis tripteris</i>	tall tickseed	herb			6
<i>Elephantopus carolinianus</i>	Carolina elephant's foot	herb	3	A,B	9
<i>Eutrochium purpureum</i>	Joe-pye weed	herb			6
<i>Helianthus divaricatus</i>	woodland sunflower	herb	4		1

Scientific name	Common name	Strata	Freq.	Habitat	Source
<i>Heliopsis helianthoides</i>	smooth ox-eye	herb			6
<i>Krigia dandelion</i>	potato dwarf dandelion	herb	3		1
<i>Lactuca canadensis</i>	Canada wild lettuce	herb			1
<i>Leucanthemum vulgare</i> *	ox-eye daisy	herb			6
<i>Polymnia canadensis</i>	small bears foot	herb			7
<i>Erigeron</i> sp.	plantain / fleabane	herb			6
<i>Prenanthes altissima</i>	tall rattlesnake root	herb			1
<i>Rudbeckia hirta</i>	black-eyed Susan	herb			6
<i>Rudbeckia triloba</i> var. <i>triloba</i>	brown-eyed Susan	herb			6
<i>Silphium intergrifolium</i>	rosin-weed	herb			6
<i>Solidago caesia</i> var. <i>caesia</i>	blue-stem goldenrod	herb			1
<i>Solidago nemoralis</i>	old field goldenrod	herb			1
<i>Solidago ulmifolia</i>	elmleaf goldenrod	herb	3	B,D	9
<i>Symphyotrichum cordifolium</i>	common blue American-aster	herb			1
<i>Symphyotrichum ericoides</i> var. <i>prostratum</i>	white heath American-aster	herb			2
<i>Symphyotrichum lanceolatum</i>	white panicle American-aster	herb			1
<i>Taraxacum officinale</i> *	common dandelion	herb			1
<i>Verbesina</i> sp.	crown-beard	herb			4
<i>Vernonia</i> sp.	ironweed	herb			4
Balsaminaceae					
<i>Impatiens capensis</i>	spotted jewelweed	herb			6
<i>Impatiens pallida</i>	pale jewelweed	herb			6
Betulaceae					
<i>Alnus serrulata</i>	Hazel alder	tree, shrub,	3		1
<i>Carpinus caroliniana</i>	blue beech	tree, sap	3		1
<i>Corylus americana</i>	American hazelnut	tree, sap, shrub			6
<i>Ostrya virginiana</i>	hop hornbeam	herb			1
Berberidaceae					
<i>Caulophyllum thalictroides</i>	blue cohosh	herb			4
<i>Podophyllum peltatum</i>	May apple	tree, sap, shrub			1
Bignoniaceae					
<i>Bignonia capreolata</i>	crossvine	herb			4
Boraginaceae					
<i>Cynoglossum virginianum</i>	wild comfrey	herb			1
<i>Lithospermum</i> sp.	white puccoon	tree, sap, shrub			6
Brassicaceae					
<i>Barbarea vulgaris</i> var. <i>acuata</i> *	garden yellowrocket	herb			4
<i>Cardamine concatenata</i>	cutleaf toothwort	herb	3		1
Campanulaceae					
<i>Campanulastrum americanum</i>	tall bellflower	herb			2
Caprifoliaceae					
<i>Lonicera dioica</i>	yellow honeysuckle	herb			1
<i>Sambucus nigra</i> subsp. <i>canadensis</i>	common elderberry	tree, sap, shrub			1
<i>Symphoricarpos orbiculatus</i>	coralberry	herb			1
<i>Viburnum rufidulum</i>	rusty black haw	herb			1
Caryophyllaceae					
<i>Silene virginica</i>	fire pink	herb	3		1
<i>Silene stellata</i>	starry campion	herb			4
Clusiaceae					
<i>Hypericum gentianoides</i>	pine-weed	herb			4
<i>Hypericum hypericoides</i>	St. Andrew's cross	herb			1
Cornaceae					
<i>Cornus florida</i>	flowering dogwood	tree, sap	3		1
Ericaceae					
<i>Rhododendron</i> sp.	mountain azalea	herb			6

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Fabaceae					
<i>Apios americana</i>	groundnut	herb			6
<i>Cercis canadensis</i> var. <i>canadensis</i>	eastern redbud	tree, sap	3		1
<i>Desmodium cuspidatum</i>	large bract tick trefoil	herb			6
<i>Desmodium rotundifolium</i>	round-leaved tick trefoil	herb			6
<i>Lespedeza cuneata</i> *	Asian bushclover	herb			1
<i>Lespedeza hirta</i>	hairy bushclover	herb			6
<i>Lespedeza virginica</i>	slender bushclover	herb			1
<i>Trifolium pretense</i> *	red clover	herb			6
<i>Vicia caroliniana</i>	Carolina vetch	herb			1
Fagaceae					
<i>Castanea pumila</i> var. <i>ozarkensis</i>	Ozark chinquapin	tree, sap, shrub			3
<i>Fagus grandifolia</i>	American beech	tree, sap, shrub			1
<i>Quercus alba</i>	white oak	tree, sap	5		1
<i>Quercus falcata</i>	southern red oak	tree, sap	2	F	9
<i>Quercus muehlenbergii</i>	chestnut oak	tree, sap, shrub			3
<i>Quercus phellos</i>	willow oak	tree, sap, shrub			6
<i>Quercus rubra</i>	northern red oak	tree	3		1
<i>Quercus shumardii</i> var. <i>shumardii</i>	Shumard's oak	tree, sap, shrub			2
Fumariaceae					
<i>Corydalis sempervirens</i>	pale coryldais	herb			10
<i>Dicentra cucullaria</i>	Dutchman's breeches	herb	4	B	1
Geraniaceae					
<i>Geranium carolinianum</i> var. <i>carolinianum</i>	Carolina cranesbill	herb			4
<i>Geranium maculatum</i>	spotted cranesbill	herb			1
Hamamelidaceae					
<i>Hamamelis virginiana</i>	southern witch hazel	herb			6
Hippocastanaceae					
<i>Aeculus glabra</i> var. ?	Ohio buckeye	shrub, tree			4
<i>Aeculus pavia</i>	red buckeye	shrub			6
Hydrangeaceae					
<i>Hydrangea arborescens</i>	wild hydrangea	herb			1
Hydrophyllaceae					
<i>Hydrophyllum appendiculatum</i>	great woolenbreeches	herb			4
<i>Hydrophyllum virginianum</i>	Virginia waterleaf	herb			1
Juglandaceae					
<i>Carya cordiformis</i>	bitternut hickory	tree, sap	2	B	3
<i>Carya ovata</i>	shagbark hickory	tree, sap	4	B,D	6
<i>Carya tomentosa</i>	mockernut hickory	tree, sap	3	D	6
<i>Juglans nigra</i>	black walnut	tree, sap			3
Lamiaceae					
<i>Monarda fistulosa</i> var. <i>fistulosa</i>	wild bergamont	herb			3
<i>Prunella vulgaris</i> subsp. <i>lanceolata</i>	heal-all	herb			2
<i>Salvia lyrata</i>	lyreleaf sage	herb			4
<i>Scutellaria</i> sp.	skullcap	herb	3	F	9
Lauraceae					
<i>Lindera benzoin</i>	northern spicebush	herb			1
<i>Sassafras albidum</i>	sassafras	herb			2
Magnoliaceae					
<i>Magnolia tripetala</i>	umbrella magnolia	tree, sap, shrub			6
Menispermaceae					
<i>Menispermum canadense</i>	Canada moonseed	herb			6
Nyssaceae					
<i>Nyssa sylvatica</i>	blackgum	tree, sap.	4	B,D	9

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Orobanchaceae					
<i>Epifagus virginiana</i>	beech-drops	herb			1
Oxalidaceae					
<i>Oxalis dillenii</i>	yellow wood sorrel	herb			6
<i>Oxalis stricta</i>	yellow wood sorrel	herb	3		1
Papaveraceae					
<i>Sanguinaria canadensis</i>	bloodroot	herb			1
Phytolaccaceae					
<i>Phytolacca americana</i>	American pokeweed	herb			4
Platanaceae					
<i>Platanus occidentalis</i>	American sycamore	tree, sap			1
Polemoniaceae					
<i>Phlox bifida</i> (Boxley Valley)	cleft phlox	herb			10
<i>Phlox divaricata</i> subsp. <i>laphamii</i>	Lapham's blue phlox	herb	3		1
<i>Phlox pilosa</i> subsp. <i>pilosa</i>	downy phlox	herb			1
<i>Polemonium reptans</i>	Jacob's ladder	herb			1
Polygonaceae					
<i>Persicaria hydropiperoides</i>	swamppepper knotweed	herb			6
<i>Persicaria virginianum</i>	Virginia knotweed	herb			6
<i>Rumex altissimum</i>	pale dock	herb			6
<i>Rumex crispus</i> subsp. <i>crispus</i> *	curly dock	herb			2
Portulacaceae					
<i>Claytonia virginiana</i>	Virginia spring beauty	herb	4		1
Ranunculaceae					
<i>Actaea pachypoda</i>	white baneberry	herb			1
<i>Anemone acutiloba</i>	sharplobe hepatica	herb			4
<i>Anemone virginiana</i> var. <i>virginiana</i>	tall thimbleweed	herb			1
<i>Clematis virginiana</i>	devil's darningneedles	herb			4
<i>Delphinium tricorne</i>	dwarf larkspur	herb			4
<i>Enemion biternatum</i>	eastern false rue-anemone	herb			1
<i>Hydrastis canadensis</i>	golden seal	herb			4
<i>Ranunculus</i> sp.	buttercup	herb			1
<i>Thalictrum thalictroides</i>	rue anemone	herb			1
Rhamnaceae					
<i>Berchemia scandens</i>	Alabama supplejack	woody vine	4		1
Rosaceae					
<i>Agrimonia</i> sp.	harvestlice	herb			1
<i>Amelanchier arborea</i>	shadbush	herb			1
<i>Geum canadense</i>	white avens	herb	3	A,B	1
<i>Potentilla simplex</i>	old-field cinquefoil	herb	3	F	9
<i>Prunus mexicana</i>	bigtree plum	tree, sap	4		1
<i>Prunus serotina</i> var. <i>serotina</i>	black cherry	tree, sap	4		1
<i>Rosa multiflora</i> *	Japanese rose	herb			1
<i>Rubus occidentalis</i>	black raspberry	herb			6
<i>Rubus flagellaris</i>	northern dewberry	herb			1
Rubiaceae					
<i>Galium aparine</i>	catchweed bedstraw	herb			1
<i>Galium</i> sp.	bedstraw	herb			6
<i>Hedyotis purpurea</i>	mountain bluet	herb			6
Saxifagaceae					
<i>Heuchera americana</i> var. <i>americana</i>	American alumroot	herb			2
<i>Ribes</i> sp.	gooseberry	herb			3
Scrophulariaceae					
<i>Aureolaria grandiflora</i>	western false foxglove	herb			6
<i>Mimulus alatus</i>	sharpwing monkey flower	herb			2
<i>Scrophularia marilandica</i>	carpenter's square	herb			6

Scientific name	Common name	Strata	Freq.	Habitat	Source
<b>Tiliaceae</b>					
<i>Tilia americana</i> var. <i>americana</i>	American basswood	tree, sap, shrub			3
<b>Ulmaceae</b>					
<i>Ulmus alata</i>	winged elm	tree, sap	3		1
<i>Ulmus americana</i>	American elm	tree, sap, shrub			1
<b>Urticaceae</b>					
<i>Laportea canadensis</i>	Canada wood nettle	herb			6
<b>Verbenaceae</b>					
<i>Verbena canadensis</i> (Boxley Valley)	rose verbena	herb			10
<i>Verbena urticifolia</i>	white vervain	herb			1
<b>Voilaceae</b>					
<i>Viola canadensis</i>	Canada white violet	herb			4
<i>Viola pubescens</i>	downy yellow violet	herb			4
<i>Viola pedata</i>	bird's-foot violet	herb			1
<i>Viola sororia</i> var. <i>sororia</i>	woolly blue violet	herb			1
<i>Viola triloba</i>	three-lobed violet	herb			6
<b>Vitaceae</b>					
<i>Parthenocissus quinquefolia</i>	Virginia creeper	woody vine	5		1
<i>Vitis aestivalis</i> var. <i>aestivalis</i>	summer grape	woody vine	3		1
<i>Vitis rotundifolia</i>	muscadine	woody vine	3		1
<b>ANGIOSPREMS – Liliopsida – (Monocots)</b>					
<b>Agavaceae</b>					
<i>Camassia scilloides</i>	wild hyacinth	herb			4
<b>Alliaceae</b>					
<i>Allium</i> sp.	wild onion	herb	3	B	9
<b>Araceae</b>					
<i>Arisaema dracontium</i>	green dragon	herb			6
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	herb			6
<b>Cyperaceae</b>					
<i>Carex albursina</i>	white bear caric sedge	herb			1
<i>Carex blanda</i>	eastern woodland caric sedge	herb			1
<i>Carex glaucoidea</i>	blue caric sedge	herb	3	D	1
<i>Carex rosea</i>	rosy caric sedge	herb			6
<i>Carex torta</i>	twisted caric sedge	herb	1	A	5
<i>Scirpus atrovirens</i>	green bulrush	herb			6
<b>Colchicaceae</b>					
<i>Uvularia grandiflora</i>	largeflower bellwort	herb			4
<b>Commelinaceae</b>					
<i>Tradescantia ozarkana</i>	Ozark spiderwort	herb			4
<b>Iridaceae</b>					
<i>Iris cristata</i>	dwarf iris	herb			1
<i>Sisyrinchium</i> sp.	blue-eyed-grass	herb			6
<b>Juncaceae</b>					
<i>Luzula bulbosa</i>	bulbous woodrush	herb			1
<b>Liliaceae</b>					
<i>Erythronium albidum</i>	white trout lily	herb			1
<i>Erythronium rostratum</i>	yellow trout lily	herb			1
<b>Melanthiaceae</b>					
<i>Trillium recurvatum</i>	purple wakerobin	herb			4
<b>Orchidaceae</b>					
<i>Goodyera pubescens</i>	downy rattlesnake orchid	herb			8

<i>Platanthera</i> sp.	orchid	herb			1
<i>Tipularia discolor</i>	crane-fly orchid	herb	2	B	8
<b>Scientific name</b>	<b>Common name</b>	<b>Strata</b>	<b>Freq.</b>	<b>Habitat</b>	<b>Source</b>
Poaceae					
<i>Chasmanthium laxum</i> var. <i>laxum</i>	slender woodoats	herb			6
<i>Cinna arundinacea</i>	sweet woodreed	herb			6
<i>Danthonia spicata</i>	poverty oatgrass	herb			1
<i>Diarrhena americana</i>	American beakgrass	herb			2
<i>Dicanthium latifolium</i>	broadleaf panicgrass	herb	3	A,B	9
<i>Elymus hystrix</i>	eastern bottlebrush grass	herb			1
<i>Elymus villosus</i>	hairy wild rye	herb			1
<i>Elymus virginicus</i>	Virginia wild rye	herb			2
<i>Festuca subverticellata</i>	nodding fescue	herb			1
<i>Glyceria striata</i>	fowl mannagrass	herb			6
<i>Leersia virginica</i>	white-grass	herb			6
<i>Microstegium vimineum</i> *	Nepalese browntop	herb	3	A	6
<i>Poa</i> sp.	bluegrass	herb			6
Ruscaceae					
<i>Maianthemum stellatum</i>	starry false Solomon's-seal	herb			4
<i>Polygonatum biflorum</i>	smooth Solomon's seal	herb			4
Smilacaceae					
<i>Smilax bona-nox</i>	saw greenbrier	herb	4	D	1
<i>Smilax rotundifolia</i>	roundleaf greenbrier	herb			2

\* = non native – 8/205 = 3.9% of the flora

A = Riparian

B = Mesic hardwood (*Fagus grandifolia*) forest

C = Calcareous glade

D = dry mesic white oak forest

E = Sandstone cliff and talus

F = Shale glade

#### Frequency

5 = abundant

4 = common

3 = occasional

2 = infrequent

1 = rare

#### Sources:

1 = Scott and Charlie Simon, 27 March 2004.

2 = Scott Simon, Harryette Shue, Jerry Hogan, Tim Snell, Ethan Inlander, Mike Slay, Susan Lancaster, Marty and Elise Roenigk, Jean Moore, George DuMont, 21 January 2005.

3 = Scott Simon, Joe Woolbright, Mark Simmons, Fred Berry, Tim Hinze, John Gill, 25 February 2005.

4 = Dedication; 30 April 2005.

5 = Bernetta and Theo Witsell, November 2005.

6 = Scott Simon, Tim Snell, Mike Slay, Susan Lancaster, Christine Clark, Harryette Shue, Glenna Palmisano 18 May 2006 site visit.

7 = Jerry Walsh 14 June 2006, snail inventory.

8 = Scott Simon, Tim Snell, Lynnette Watts, Sherece West, Andrea \_\_\_\_\_, 3 March 2008.

9 = S. Simon, Roger Manghum, McRee Anderson, Douglas Zollner, 13 March 2008 site visit.

10 = Harvey and Terri Williams, 15 March 2009 site visit.

Nomenclature according to: Checklist of the Vascular Plants of Arkansas. Arkansas Vascular Flora Committee, 2006.