

PRELIMINARY CHECK LIST OF THE VASCULAR  
PLANTS OF THE ILLINOIS STATE PARK  
AT STARVED ROCK, LASALLE COUNTY

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ARK.

The establishment by the State of Illinois of the first of its state parks at Starved Rock, LaSalle County, has served to focus and intensify the interest of citizens of the state, and of the Middle West generally, in this region. Its great natural scenic beauty attracts tourists and holiday-seekers generally, and its connection with the labors and adventures of the early French explorers and missionaries gives it interest to students of history. Its great wealth of geological and botanical opportunity are tending to make it a point of pilgrimage for college and university classes bent on more serious and concentrated examination. In the interests of the latter groups it has seemed worth while to offer the accompanying check list of the vascular plants of Starved Rock State Park.

Up to the present, no list at all approaching completeness has been prepared for this region, although incidental mention of elements in the vegetation has been made in a number of ecological publications. A local naturalist of an earlier date, Huett (1), makes mention of the "plants of the bluffs along the Illinois River" in his "Natural History of LaSalle County", and in the same work reviews the efforts of two pioneers—who published their contributions in country newspapers. Cowles lists the more striking and characteristic species in the interesting bulletin on the Park issued by the Geographic Society of Chicago (2), and also makes incidental citations in another paper (3). Fuller and Strausbaugh (4) worked in the neighborhood of the Park, though their operations did not come within its boundaries. Kurz (5) carried on some studies in the Park. The present writer, who worked there during the spring and summer of 1921, has in print three papers on the ecology of the region (6, 7, 8) and another in anticipation.

The preliminary and provisional character of this list must be recognized. This is particularly true in regard

to the vernal flora. The list of aestival species is based on fairly thorough collections, one set of which has been deposited with the herbarium of the Field Museum of Natural History. Facilities for spring collecting, however, were unfortunately not so good, and the vernal species accordingly are based largely on field identifications and partial collections only. The writer also wishes frankly to disclaim any dogmatic certainty regarding a few of the more difficult groups; notable here are the sedges. Gray's Manual (seventh edition) was used throughout.

The writer's thanks are due to Professors Cowles and Fuller of the University of Chicago for encouragement, assistance, and generous provision of facilities; to Professor Conrad of Grinnell College for help in checking over identifications; and to the Illinois State Park Board for permission to collect in the Park.

*Polypodiaceae*

*Polypodium vulgare*  
*Adiantum pedatum*  
*Pteris aquilina*  
*Pellaea atropurpurea*  
*Asplenium filix-femina*  
*Polystichum acrostichoides*  
*Aspidium thelypteris*  
*Aspidium marginale*  
*Aspidium spinulosum*  
*Cystopteris bulbifera*  
*Cystopteris fragilis*  
*Woodsia ilvensis* (*vide* Cowles)  
*Onoclea sensibilis*  
*Onoclea struthiopteris*

*Osmundaceae*

*Osmunda regalis*  
*Osmunda claytoniana*  
*Osmunda cinnamomea*

*Ophioglossaceae*

*Botrychium virginianum*

*Equisetaceae*

*Equisetum arvense*  
*Equisetum hyemale*

*Selaginellaceae*

*Selaginella rupestris*

*Taxaceae*

*Taxus canadensis*

*Pinaceae*

*Pinus strobus*  
*Thuja occidentalis*  
*Juniperus virginiana*

*Typhaceae*

*Typha latifolia*

*Alismaceae*

*Sagittaria latifolia*  
*Alisma plantago-aquatica*

*Gramineae*

*Andropogon scoparius*  
*Andropogon furcatus*  
*Panicum capillare*  
*Panicum scribnerianum*  
*Echinochloa crus-galli*  
*Setaria glauca*  
*Leersia virginica*  
*Muhlenbergia sylvatica*  
*Muhlenbergia mexicana*  
*Phleum pratense*  
*Agrostis hiemalis*  
*Cinna arundinacea*  
*Eragrostis trichodes*  
*Eragrostis pectinacea*  
*Poa pratensis*  
*Bromus purgens* (?)  
*Elymus australis* (?)  
*Elymus virginicus*  
*Hystrix patula*  
*Arundinaria tecta*

*Cyperaceae*

*Scirpus atrovirens*  
*Carex stellulata*  
*Carex laxiflora*  
*Carex lupulina* (?)  
*Carex grayi*

*Araceae*

*Arisaema triphyllum*  
*Arisaema dracontium*  
*Symplocarpus foetidus*

*Commelinaceae*

*Tradescantia virginiana*

*Juncaceae*

*Juncus tenuis*

*Liliaceae*

*Uvularia grandiflora*  
*Allium cernuum*  
*Allium canadense*  
*Erythronium albidum*  
*Asparagus officinalis*  
*Smilacina racemosa*  
*Smilacina stellata*  
*Maianthemum canadense*  
*Polygonatum biflorum*  
*Polygonatum commutatum*  
*Trillium erectum*  
*Trillium grandiflorum*  
*Smilax herbacea*  
*Smilax hispida*

*Dioscoreaceae*

*Dioscorea villosa*

*Iridaceae*

*Sisyrinchium albidum*

*Orchidaceae*

*Spiranthes cernua*

*Salicaceae*

*Salix nigra*  
*Salix longifolia*  
*Salix missouriensis*  
*Populus tremuloides*  
*Populus grandidentata*  
*Populus deltoides*

*Juglandaceae*

*Juglans cinerea*  
*Juglans nigra*  
*Carya ovata*  
*Carya cordiformis*

*Betulaceae*

*Corylus americana*  
*Ostrya virginiana*  
*Carpinus caroliniana*

*Fagaceae*

*Quercus alba*  
*Quercus macrocarpa*  
*Quercus bicolor*  
*Quercus rubra*  
*Quercus velutina*

*Urticaceae*

*Ulmus fulva*  
*Ulmus americana*  
*Celtis occidentalis*  
*Morus rubra*  
*Laportea canadensis*  
*Pilea pumila*  
*Boehmeria cylindrica*

*Santalaceae*

*Comandra umbellata*

*Aristolochiaceae*

*Asarum canadense*

*Polygonaceae*

*Rumex crispus* (?)  
*Rumex verticellatus*  
*Rumex acetosella*  
*Polygonum muhlenbergii*  
*Polygonum pennsylvanicum*  
*Polygonum acre*  
*Polygonum persicaria*  
*Polygonum hydroperoides*  
*Polygonum virginianum*  
*Polygonum sagittatum*  
*Polygonum dumetorium*

*Chenopodiaceae*

*Chenopodium hybridum*  
*Chenopodium album*

*Nyctagineaceae*

*Oxybaphum nyctagineus*

*Caryophyllaceae*

*Cerastium arvense*  
*Silene stellata*

*Portulacaceae*

*Claytonia virginica*

*Ranunculaceae*

*Ranunculus abortivus*  
*Ranunculus recurvatus*  
*Ranunculus septentrionalis*  
*Thalictrum dioicum*  
*Hepatica triloba*  
*Hepatica acutiloba*  
*Anemonella thalictroides*  
*Anemone cylindrica*  
*Anemone canadensis*  
*Caltha palustris*  
*Isopyrum biternatum*  
*Aquilegia canadensis*  
*Actaea alba*

*Anonaceae*

*Asimina triloba*

*Berberidaceae*

*Podophyllum peltatum*

*Lauraceae*

*Sasafras variifolium*

*Papaveraceae**Sanguinaria canadensis**Fumariaceae**Dicentra cucullaria*  
*Dicentra canadensis**Cruciferae**Lepidium virginianum*  
*Sisymbrium officinale*  
*Erysimum asperum*  
*Radicula palustris*  
*Dentaria laciniata*  
*Arabis lyrata**Crassulaceae**Penthorum sedoides**Saxifragaceae**Saxifraga pennsylvanica*  
*Heuchera hispida*  
*Mitella diphylla*  
*Hydrangea arborescens*  
*Ribes cynosbati*  
*Ribes floridum**Hamamelidaceae**Hamamelis virginiana**Platanaceae**Platanus occidentalis**Rosaceae**Physocarpus opulifolius*  
*Aruncus sylvestris*  
*Gillenia stipulata*  
*Pyrus arbutifolia*  
*Pyrus ioensis*  
*Amelanchier canadensis*  
*Crataegus spp.*  
*Fragaria virginiana*  
*Potentilla monspeliensis*  
*Potentilla*  
    *norvegica*  
*Geum canadense*  
*Rubus occidentalis*  
*Agrimonia mollis*  
*Agrimonia parviflora*  
*Rosa blanda*  
*Rosa humilis*  
*Prunus serotina*  
*Prunus virginiana**Leguminosae**Gymnocladus dioica*  
*Gleditsia triacanthos*  
*Cercis canadensis*  
*Cassia chamaecrista*  
*Baptisia leucantha*  
*Trifolium pratense*  
*Trifolium repens*  
*Trifolium hybridum*  
*Melilotus alba*  
*Amorpha canescens**Amorpha fruticosa*  
*Petalostemum candidum*  
*Tephrosia virginica*  
*Robinia pseudo-acacia*  
*Desmodium grandiflorum*  
*Desmodium nudiflorum*  
*Desmodium bracteosum longi-*  
    *folium*  
*Desmodium canadense*  
*Desmodium sessilefolium*  
*Lespedeza procumbens*  
*Lespedeza virginica*  
*Lespedeza capitata*  
*Vicia americana*  
*Strophostyles helvola*  
*Amphicarpa pitcheri**Oxalidaceae**Oxalis violacea*  
*Oxalis corniculata**Geraniaceae**Geranium maculatum**Rutaceae**Zanthoxylum americanum*  
*Ptelea trifoliata**Polygalaceae**Polygala sanguinea**Euphorbiaceae**Euphorbia corollata*  
*Euphorbia dentata*  
*Euphorbia heterophylla**Anacardiaceae**Rhus typhina*  
*Rhus glabra*  
*Rhus toxicodendron**Aquifoliaceae**Ilex verticellata*  
*Nemopanthus mucronata**Celastraceae**Evonymus atropurpureus*  
*Celastrus scandens**Staphyleaceae**Staphylea trifolia**Aceraceae**Acer saccharum*  
*Acer saccharinum*  
*Acer negundo**Balsaminaceae**Impatiens pallida*  
*Impatiens biflora**Rhamnaceae**Ceanothus americanus**Vitaceae**Psedera quinquefolia*  
*Vitis cordifolia* (?)

*Tiliaceae*

*Tilia americana*

*Malvaceae*

*Abutilon theophrasti*  
*Hibiscus militaris*

*Cistaceae*

*Helianthemum canadense*

*Violaceae*

*Viola pedata*  
*Viola cucullata*  
*Viola pubescens*  
*Viola tricolor*

*Cactaceae*

*Opuntia rafinesqui*

*Lythraceae*

*Decodon verticellatus*  
*Lythrum alatum*

*Onagraceae*

*Ludvigia alternifolia*  
*Epilobium angustifolium*  
*Epilobium coloratum*  
*Oenothera biennis*  
*Oenothera rhombipetala*  
*Gaura biennis*  
*Circaea lutetiana*

*Araliaceae*

*Aralia racemosa*  
*Aralia nudicaulis*  
*Panax quinquefolium*

*Umbelliferae*

*Erigenia bulbosa*  
*Osmorhiza claytoni*  
*Cicuta maculata*  
*Cryptotaenia canadense*  
*Taenidia integerrima*  
*Pastinaca sativa*  
*Heracleum lanatum*

*Cornaceae*

*Cornus stolonifera*  
*Cornus paniculata*

*Ericaceae*

*Gaylussacia baccata*  
*Vaccinium pennsylvanicum*  
*Vaccinium canadense*

*Primulaceae*

*Steironema ciliatum*  
*Dodacanthemon meadia*

*Oleaceae*

*Fraxinus americana*  
*Fraxinus nigra*

*Gentianaceae*

*Gentiana andrewsii*

*Apocynaceae*

*Apocynum androsaemifolium*  
*Apocynum cannabinum*

*Asclepiadaceae*

*Ascepias incarnata*  
*Asclepias phytolaccoides*  
*Asclepias verticellata*

*Convolvulaceae*

*Convolvulus arvensis*  
*Ipomea purpurea*  
*Cuscuta sp.*

*Polemoniaceae*

*Polemonium reptans*  
*Phlox divaricata*

*Hydrophyllaceae*

*Hydrophyllum appendiculatum*  
*Nemophila macrocalyx*

*Boraginaceae*

*Lappula virginiana*  
*Cynoglossum officinale*  
*Lithospermum gmelini*  
*Mertensia virginica*

*Verbenaceae*

*Verbena urticaefolia*  
*Verbena hastata*  
*Verbena stricta*  
*Lippia lanceolata*

*Labiataeae*

*Teucrium canadense*  
*Scutellaria lateriflora*  
*Scutellaria versicolor*  
*Agastache nepetoides*  
*Nepeta cataria*  
*Physostegia virginica*  
*Prunella vulgaris*  
*Leonurus cardiaca*  
*Stachys palustris*  
*Monarda fistulosa*  
*Monarda punctata*  
*Pycnanthemum flexuosum*  
*Pycnanthemum pilosum*  
*Lycopus americanus*  
*Mentha arvensis canadensis*

*Solanaceae*

*Solanum nigrum*  
*Datura stramonium*

*Scrophulariaceae*

*Verbascum thapsus*  
*Scrophularia leporella*  
*Scrophularia marilandica*  
*Chelone glabra*  
*Mimulus ringens*  
*Mimulus alatus*  
*Veronica virginica*  
*Gerardia grandiflora*  
*Gerardia tenuifolia*  
*Pedicularis lanceolata*  
*Pedicularis canadensis*

<i>Acanthaceae</i>	<i>Aster azureus</i>
<i>Ruellia ciliosa</i>	<i>Aster shortii</i>
<i>Phrymaceae</i>	<i>Aster drummondii</i>
<i>Phryma leptostachya</i>	<i>Aster laevis</i>
<i>Plantaginaceae</i>	<i>Aster ericoides</i>
<i>Plantago major</i>	<i>Aster ericoides villosus</i>
<i>Rubiaceae</i>	<i>Aster ericoides platyphyllus</i>
<i>Galium aparine</i>	<i>Aster multiflorus</i>
<i>Galium asprellum</i>	<i>Aster lateriflorus</i>
<i>Galium triflorum</i>	<i>Aster paniculatus</i>
<i>Mitchella repens</i>	<i>Aster linariifolius</i>
<i>Houstonia purpurea</i>	<i>Erigeron annuus</i>
<i>Caprifoliaceae</i>	<i>Erigeron canadensis</i>
<i>Diervilla lonicera</i>	<i>Antennaria plantaginifolia</i>
<i>Triosteum perfoliatum</i>	<i>Gnaphalium polycephalum</i>
<i>Viburnum dentatum</i>	<i>Polymnia canadensis</i>
<i>Sambucus racemosa</i>	<i>Silphium laciniatum</i>
<i>Sambucus canadensis</i>	<i>Silphium terebinthinaceum</i>
<i>Cucurbitaceae</i>	<i>Silphium integrifolium</i>
<i>Echinocystis lobata</i>	<i>Silphium perfoliatum</i>
<i>Sicyos angulatus</i>	<i>Ambrosia trifida</i>
<i>Campanulaceae</i>	<i>Ambrosia artemisiaefolia</i>
<i>Specularia perfoliata</i>	<i>Rudbeckia triloba</i>
<i>Campanula americana</i>	<i>Rudbeckia subtomentosa</i>
<i>Campanula rotundifolia</i>	<i>Rudbeckia hirta</i>
<i>Lobeliaceae</i>	<i>Rudbeckia laciniata</i>
<i>Lobelia syphilitica</i>	<i>Helianthus illinoensis</i>
<i>Lobelia inflata</i>	<i>Helianthus grosseserratus</i>
<i>Compositae</i>	<i>Helianthus divaricatus</i>
<i>Vernonia illinoensis</i>	<i>Helianthus tuberosus</i>
<i>Eupatorium purpureum</i>	<i>Actinomeris alternifolia</i>
<i>Eupatorium serotinum</i>	<i>Coreopsis tripteris</i>
<i>Eupatorium altissimum</i>	<i>Bidens frondosa</i>
<i>Eupatorium perfoliatum</i>	<i>Bidens involucrata</i>
<i>Eupatorium urticaefolium</i>	<i>Helenium autumnale</i>
<i>Liatris scariosa</i>	<i>Achillea millefolium</i>
<i>Solidago latifolia</i>	<i>Anthemis cotula</i>
<i>Solidago hispida</i>	<i>Chrysanthemum leucanthemum</i>
<i>Solidago uliginosa</i>	<i>Artemisia caudata</i>
<i>Solidago ulmifolia</i>	<i>Erechtites hieracifolia</i>
<i>Solidago nemoralis</i>	<i>Cacalia atriplicifolia</i>
<i>Solidago canadensis</i>	<i>Cacalia tuberosa</i>
<i>Solidago rigida</i>	<i>Senecio aureus</i>
<i>Solidago graminifolia</i>	<i>Arctium minus</i>
<i>Aster divaricatus</i>	<i>Cirsium arvense</i>
<i>Aster furcatus</i>	<i>Taraxacum officinale</i>
<i>Aster novae-angliae</i>	<i>Lactuca canadensis</i>
	<i>Lactuca ludoviciana</i>
	<i>Lactuca hirsuta</i>
	<i>Lactuca pulchella</i>
	<i>Prenanthes alba</i>
	<i>Hieracium longipilum</i>
	<i>Hieracium canadense</i>

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