

Plants of the Turkey Creek Scientific Area

The Turkey Creek Scientific Area is located in Sections 14, 15, and 23 of Newport Township, R6W, T80N, Johnson County, Iowa. The area which is some 200 acres in extent consists mainly of previously cultivated and grazed lands with very little undisturbed woodland. Adjacent to it, however, is probably one of the richest undisturbed woodlands in the county. The field work which led up to the preparation of this list was originally started in this richer area now owned by Orlo Haman. In the Spring of 1961 the area now called the Turkey Creek Scientific Area was leased to the University of Iowa. After the boundaries of this sector were established it became evident that some of this area overlapped that part which I had been studying, and it was, thus, a simple matter to expand the study to include all of the Turkey Creek area. I have estimated that there are only 10-20 species occurring the woodlands adjacent to the Turkey Creek Scientific Area which are not also found on University lands.

Description of the Area

The habitats available to plants range from rich, wooded and moist ravines to open scrublands. There are also some rather rich but dry upland bluffs and slopes. The open areas are all much disturbed. At least one large open field still shows signs of corn stubble from having once been cultivated. The aquatic vegetation is of little importance. This is due mainly to the fluctuations in the level of the Coralville Reservoir. Turkey Creek at this point is an easement for high water in the reservoir, and during the Spring floodtime one must have a boat to get about in the area. It is unlikely that in the future, even with careful avoidance of pollution and other forms of disturbance, that Turkey Creek will ever support a distinctive aquatic flora due to these annual changes in water level. Some "micro habitats" exist in the area. One such is a North-facing limestone talus slope which supports such rare species as *Dirca palustris* and *Trillium nivale*. This slope is located in the extreme North of the University lands. Another such micro habitat is a shaded West-facing limestone bluff about 1/4 mile downstream. This bluff supports a distinctive calcareous flora several species of which are found only here.

List of Vascular Plants

In the following list of species I have avoided the use of any phylogenetic scheme but have placed all families in alphabetical order within the major taxa. The genera within families and the species within genera are also thus treated. An asterisk before a name denotes a naturalized species. The word "rare" following a name refers to notations on the frequency of the species as determined by Prof. Robert F. Thorne in his Flora of Johnson County published in the "Proceedings of the Iowa Academy of Science" for 1955, Vol. 62. Any specimens from this area will be on deposit the Herbarium of the University of Iowa.

"Pteridophytes"

Aspidiaceae (Shield Fern Family)

Athyrium filix-femina	Lady Fern
Cystopteris bulbifera	Bladder Fern
Cystopteris fragilis	Fragile Fern
Dryopteris spinulosa (rare)	Evergreen Shield Fern
Onoclea sensibilis	Sensitive Fern
Woodsia obtusa	Fun Fern

Aspleniaceae (Spleenwort Family)

Camptosorus rhizophyllus (rare)	Walking Fern
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Equisetaceae (Horsetail Family)

Equisetum arvense	Scouring-rush
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Ophioglossaceae (Adder's-tongue Family)

Botrychium dissectum (rare)	Grape Fern
Botrychium virginianum	Rattlesnake Fern

Osmundaceae (Cinnamon Fern Family)

Osmunda claytoniana	Interrupted Fern
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Pteridaceae (Bracken Family)

Adiantum pedatum	Maidenhair Fern
Pteridium aquilinum	Bracken

Gymnospermae

Cupressaceae

Juniperus virginiana	Red-cedar
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Dicotyledoneae

Acanthaceae

Ruellia humilis	Ruellia
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Aceraceae (Maple Family)

Acer negundo	Box-elder
Acer saccharinum	Silver Maple
Acer saccharum (incl. A. nigrum)	Sugar Maple

Arizoaceae (Carpet weed Family)

*Mollugo verticillata	Carpet-weed
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Amaranthaceae (Cock's-comb Family)

Amaranthus graecizans	Pigweed
*Amaranthus retroflexus	Pigweed

Anacardiaceae (Cashew Family)

Rhus glabra	Smooth Sumac
Rhus toxicodendron	Poison-Ivy

Apiaceae (Umbelliferae) (Parsley Family)

Cicuta maculata	Water-hemlock
Cryptotaenia canadensis	Honewort
*Daucus carota	Queen Anne's Lace
Osmorhiza claytonii	Sweet Cicely
Osmorhiza longistylis	Anise-root
*Pastinaca sativa	Wild Parsnip
Sanicula canadensis	Black Snakeroot
Sanicula gregaria	Black Snakeroot
Taenidia integerrima (rare)	Yellow-pimpernel
Thaspium barbinode	Meadow-parsnip

Apocynaceae (Dogbane Family)

Apocynum androsaemifolium	Spreading Dogbane
Apocynum cannabinum	Indian-hemp
Apocynum sibiricum	Dogbane

Araliaceae (Ginseng Family)

Aralia nudicaulis	Wild-sarsaparilla
Aralia racemosa	Spikenard
Panax quinquefolius	Ginseng

(This species threatened with extinction by local "seng" hunters who collect it for its presumed powers as a panacea esp. in the orient where material harvested in U.S. is sold).

Aristolochiaceae (Birthwort Family)

Asarum canadense	Wild-ginger
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Asclepiadaceae (Milkweed Family)

Asclepias exaltata (rare)	Poke Milkweed
Asclepias incarnata	Swamp Milkweed
Asclepias purpurascens	Milkweed
Asclepias syriaca	Milkweed
Asclepias tuberosa	Butterfly Weed
Asclepias verticillata	White Milkweed

Asteraceae (Compositae) (Aster Family)

Achillea millefolium	Yarrow
Ambrosia artemisiifolia	Ragweed
Ambrosia trifida	Giant Ragweed
Antennaria neglecta	Pussytoes
Antennaria plantaginifolia	Lady's-tobacco
*Anthemis cotula	Dog-fennel
*Arctium minus	Burdock
Aster azureus	Aster
Aster ericoides	Frost Weed
Aster sagittifolius	Arrow-leaved Aster
Aster shortii	Woodland Aster

Bidens cernua	Spanish Needles
Bidens vulgata	Beggar's Ticks
Cacalia muhlenbergii (rare)	Indian-plantain
*Chrysanthemum leucanthemum	Ox-eye Daisy
*Cichroium intybus	Chicory
Cirsium discolor	Field Thistle
*Cirsium vulgare	Bull Thistle
Conyza canadensis	Muletail
Coreopsis palmata	Tickseed
Coreopsis tripteris	Tickseed
Eclipta alba	Coneflower
Erigeron annuus	Fleabane Daisy
Erigeron strigosus	Fleabane Daisy
Eupatorium maculatum	Joe-Pye Weed
Eupatorium perfoliatum	Boneset
Eupatorium purpureum	Joe-Pye Weed
Eupatorium rugosum	White Snakeroot
Gnaphalium obtusifolium	Everlasting
Helenium autumnale	Sneezeweed
*Helianthus annuus	Common Sunflower
Helianthus grosseserratus	Sunflower
Helianthus strumosus	Wood Sunflower
Heliopsis helianthoides	Oxeye
Krigia biflora	Cynthia
Lactuca canadensis	Wild Lettuce
Lactuca floridana	Blue lettuce
*Lactuca scariola	Prickly lettuce
*Matricaria matricarioides	Pineapple Weed
Poenanthes alba	Rattlesnake-root
Rudbeckia laciniata	Tall Coneflower
Rudbeckia serotina	Black-eyed Susan
Rudbeckia triloba	Black-eyed Susan
Silphium integrifolium	Rosin Weed
Silphium perfoliatum	Cup Plant
Solidago altissima	Tall Goldenrod
Solidago flexicaulis	Zig-zag Goldenrod
Solidago gigantea	Smooth Goldenrod
Solidago ulmifolia	Woodland Goldenrod
Taraxacum erythrospermum	Dandelion
Taraxacum officinale	Dandelion
*Tragopogon dubius	Goat's-beard
Vernonia fasciculata	Ironweed
Xanthium strumarium	Cocklebur

Balsaminaceae (Touch-me-not Family)

Impatiens biflora	Touch-me-not
Impatiens pallida	Touch-me-not

Berberidaceae (Barberry Family)

*Berberis thunbergii
 Caulophyllum thalictroides
 Podophyllum peltatum

Japanese Barberry
 Blue Cohosh
 Mayapple

Betulaceae (Birch Family)

Betula nigra
 Carpinus caroliniana
 Corylus americana
 Ostrya virginiana

River Birch
 Blue-beech, Hornbeam, Muscle-wood
 Hazelnut
 Hop-hornbeam

Boraginaceae (Borage Family)

Hackelia virginiana
 Mertensia virginica

Stickseed, Beggar's Lice
 Bluebells, Cowslips

Brassicaceae (Cruciferae) (Mustard Family)

*Barbarea vulgaris
 *Brassica nigra
 *Capsella bursa-pastoris
 Dentaria laciniata
 *Erysimum cheiranthoides
 *Lepidium campestre
 *Lepidium densiflorum
 Lepidium virginicum
 Rorippa sessiliflora
 *Thlaspi arvense

Yellow-rocket
 Black Mustard
 Shepherd's Purse
 Toothwort
 Wormseed Mustard
 Cow Cress
 Peppergrass
 Poor-man's Pepper
 Marsh Cress
 Penny Cress

Campanulaceae (Bluebell Family)

Campanula americana
 Lobelia inflata
 Lobelia siphilitica
 Lobelia spicata
 Triodanis perfoliata

Tall Bellflower
 Indian-tobacco
 Lobelia
 Lobelia
 Venus' Looking-glass

Capparidaceae (Caper Family)

Polanisia graveolens

Clammyweed

Caprifoliaceae (Honeysuckle Family)

Tonicera prolifera
 Sambucus canadensis
 Triosteum perfoliatum
 Viburnum lentago
 Viburnum rafinesquianum

Wild Honeysuckle
 Elderberry
 Horse-gentian
 Nannyberry
 Arrowwood

Caryophyllaceae (Pink Family)

Arenaria lateriflora
 *Dianthus armeria
 *Saponaria officinalis
 *Stellaria media

Sandwort
 Depthford Pink
 Bouncing Bet
 Chickweed

Celastraceae (Bittersweet Family)

Celastrus scandens
 Euonymus atropurpureus

Bittersweet
 Wahoo

Chenopodiaceae (Goosefoot Family)

*Chenopodium album
 *Chenopodium ambrosioides
 Chenopodium gigantospermum

Lamb's-quarters
 Mexican-tea
 Goosefoot

Convolvulaceae (Morning Glory Family)

Convolvulus sepium

Wild-morning-glory

Cornaceae (Dogwood Family)

Cornus alternifolia
 Cornus drummondii
 Cornus racemosa
 Cornus rugosa

Pagoda Tree
 Dogwood
 Gray Dogwood
 Speckled Dogwood

Ericaceae (Heath Family)

Monstropa uniflora
 Pyrola elliptica (rare)

Indian Pipe
 Shinleaf

Euphorbiaceae (Spurge Family)

Acalypha rhomboidea
 Euphorbia corollata
 Euphorbia heterophylla
 Euphorbia maculata
 Euphorbia supina

Three-seeded Mercury
 Flowering Spurge
 Wild Poinsettia
 Spotted Spurge
 Milk-purslane

Fabaceae (Leguminosae) (Sweet Pea Family)

Amorpha canescens
 Amphicarpa bracteata
 Cassia fasciculata
 Desmodium canadense
 Desmodium glutinosum
 Desmodium nudiflorum
 Gleditsia triacanthos
 Lespedeza capitata

Leadplant
 Hog-peanut
 Partridge-pea
 Tick Trefoil
 Tick Trefoil
 Tick Trefoil
 Honey Locust
 Bush-clover

* <i>Lotus corniculata</i>	Bird Trefoil
* <i>Medicago lupulina</i>	Black Medic
* <i>Medicago sativa</i>	Alfalfa
* <i>Melilotus alba</i>	Sweet clover
* <i>Melilotus officinalis</i>	Sweet clover
* <i>Robinia pseudo-acacia</i>	Black Locust
* <i>Trifolium hybridum</i>	Alsike Clover
* <i>Trifolium pratense</i>	Red clover
* <i>Trifolium repens</i>	White clover
<u>Fagaceae</u> (Beech Family)	
<i>Quercus alba</i>	White Oak
<i>Quercus macrocarpa</i>	Bur Oak
<i>Quercus rubra</i>	Red Oak
<i>Quercus velutina</i>	Black Oak
<u>Geraniaceae</u> (Geranium Family)	
<i>Geranium carolinianum</i>	Cranesbill
<i>Geranium maculatum</i>	Wild Cranesbill
<u>Hydrophllaceae</u> (Waterlead Family)	
<i>Ellisia nyctelea</i>	
<i>Hydrophyllum virginianum</i>	Waterlead
<u>Hypericaceae</u> (Guttiferae) (St. John's-wort Family)	
<i>Hypericum punctatum</i>	St. John's-wort
<i>Hypericum pyramidatum</i>	St. John's-wort
<i>Hypericum spaerocarpum</i>	St. John's-wort
<u>Juglandaceae</u> (Walnut Family)	
<i>Carya cordiformis</i>	Bitternut Hickory
<i>Carya ovata</i>	Shagbark Hickory
<i>Juglans cinerea</i>	Butternut
<i>Juglans nigra</i>	Black Walnut
<u>Lamiaceae</u> (Mint Family)	
<i>Agastache nepetoides</i>	Giant hyssop
<i>Agastache scrophulariaefolia</i>	Giant hyssop
* <i>Glechoma hederacea</i>	Gill-over-the-ground
* <i>Leonurus cardiaca</i>	Motherwort
<i>Lycopus americanus</i>	Water-hoarhound
<i>Lycopus virginicus</i>	Bugleweed
<i>Mentha arvensis</i>	Wild Mint
<i>Monarda fistulosa</i>	Wild-bergamot
* <i>Nepeta cataria</i>	Catnip
<i>Physostegia parviflora</i>	False-dragonhead
<i>Prunella vulgaris</i>	Selfheal
<i>Pycnanthemum pilosum</i>	Mountain Mint
<i>Pycnanthemum virginianum</i>	Mountain Mint
<i>Scutellaria lateriflora</i>	Scullcap
<i>Scutellaria ovata</i>	Scullcap

Teucrium canadense	Germander
<u>Lythraceae</u> (Loosestrife Family)	
Lythrum alatum	Loosestrife
<u>Malvaceae</u> (Hollyhock Family)	
*Abutilon theophrasti	Buttonweed
*Malva neglecta	
<u>Menispermaceae</u> (Moonseed Family)	
Menispermum canadense	Moonseed
<u>Moraceae</u> (Mulberry Family)	
*Cannabis sativa	Marijuana
*Humulus japonicus	Hops
Humulus lupulus (rare)	Common Hops
*Morus alba	Mulberry Tree
<u>Nyctaginaceae</u> (Four-o'clock Family)	
Mirabilis nyctaginea	Wild Four-o'clock
<u>Oleaceae</u> (Lilac and olive family)	
Fraxinus americana	White Ash
Fraxinus nigra	Black Ash
Fraxinus pennsylvanica	Green Ash
<u>Onagraceae</u> (Evening-primrose Family)	
Circea quadrisulcata	Enchanter's-nightshade
Oenothera biennis	Evening-primrose
Oenothera rhombipetala	Evening-primrose
<u>Oxalidaceae</u> (Wood-sorrel Family)	
Oxalis europeae	Lady's-sorrel
Oxalis stricta	Lady's-sorrel
<u>Papaveraceae</u> (Poppy Family)	
Dicentra cucullaria	Dutchman's Breeches
Sanguinaria canadensis	Bloodroot
<u>Penthoraceae</u> (Ditch-stonecrop Family)	
Penthorum sedoides	Ditch-stonecrop
<u>Phrymaceae</u> (Lopseed Family)	
Phryma leptostachya	Lopseed
<u>Plantaginaceae</u> (Plantain Family)	
Plantage aristata	Blue Weed
*Plantage major	Yard Plantain
Plantage rugelii	Plantain

Polemoniaceae (Phlox Family)

Phlox divaricata

Polemonium reptans

Blue Phlox

Jacob's ladder

Polygalaceae (Milkwort Family)

Polygala senega

Seneca Snakeroot

Polygonaceae (Buckwheat Family)

*Polygonum aviculare

*Polygonum convolvulus

Polygonum erectum

Polygonum hydropiper

Polygonum pennsylvanicum

Polygonum sagittatum

Polygonum scandens

Polygonum virginianum

*Rumex acetosella

Rumex altissimus

*Rumex crispus

Rumex verticillatus

Knotweed

Black Bindweed

Knotweed

Water-popper

Pinkweed

Tear-thumb

Climbing-buckwheat

Johnny Jumpseed

Sheep-sorrel, Sour Dock

Dam Dock

Curly Dock

Water Dock

Portulacaceae (Purslane Family)

Claytonia virginica

*Portulaca oleracea

Spring Beauty

Purslane

Primulaceae (Primrose Family)

Dodecatheon meadia

Lysimachia ciliata

*Lysimachia numularia

Shooting Star

Fringed Loosestrife

Moneywort

Ranunculaceae (Buttercup Family)

Actea pachypoda

Actea rubra

Anemone canadensis

Anemone quinquefolia

Anemone virginiana

Anemonella thalictroides

Aquilegia canadensis

Clematis pitcheri

Hepatica acutiloba

Isopyrum biternatum

Ranunculus abortivus

Ranunculus septentrionalis

Thalictrum dasycarpum

White Baneberry

Red Baneberry

Meadow Anemone

Wood Anemone

Wildflower

Rue-anemone

Columbine

Leather Flower

Hepatica

Rue-anemone

Crowfoot

Buttercup

Meadow-rue

Rhamnaceae (Buckthorn Family)

Ceanothus americanus

Rhamnus lanceolata

New Jersey-tea

Buckthorn

Rosaceae (Rose Family)

Agrimonia gryposepala

Agrimony

<i>Agrimonia pubescens</i>	Agrimony
<i>Amelanchier arborea</i>	Shadbush
<i>Crataegus margareta</i>	Hawthorn
<i>Fragaria vesca</i>	Strawberry
<i>Fragaria virginiana</i>	Strawberry
<i>Geum canadense</i>	White Avens
<i>Physocarpus opulifolius</i> (rare)	Ninebark
<i>Potentilla norvegica</i>	Rough Cinquefoil
<i>Potentilla recta</i>	Sulfur Cinquefoil
<i>Potentilla simplex</i>	Cinquefoil
<i>Prunus americana</i>	Wild Plum
<i>Prunus serotina</i>	Wild Black Cherry
<i>Pyrus ioensis</i>	Crab Apple
<i>Rosa carolina</i>	Wild Rosse
<i>Rubus allegheniensis</i>	Blackberry
<i>Rubus occidentalis</i>	Black Raspberry
<u>Rubiaceae</u> (Madder Family)	
<i>Cephalanthus occidentalis</i>	Buttonbush
<i>Galium aparine</i>	Cleavers
<i>Galium circaeazans</i>	Wild-liquorice
<i>Galium concinum</i>	Bedstraw
<i>Galium triflorum</i>	Bedstraw
<u>Rutaceae</u> (Citrus Family)	
<i>Xanthoxylum americanum</i>	Prickly-ash
<u>Salicaceae</u> (Willow Family)	
<i>Populus deltoides</i>	Cottonwood
<i>Populus grandidentata</i>	Big Tooth Aspen
<i>Populus tremuloides</i>	Quaking Aspen
<i>Salix fragilis</i>	Crack Willow
<i>Salix nigra</i>	Black Willow
<i>Salix rigida</i>	Willow
<u>Santalaceae</u> (Sandalwood Family)	
<i>Commandra richardsiana</i>	Bastard-toadflax
<u>Saxifragaceae</u> (Incl. Hydrangeaceae) (Gooseberry Family)	
<i>Heuchera richardsonii</i>	Alum Root
<i>Mitella diphylla</i>	Mitrewort
<i>Ribes cynosbati</i>	Prickly Gooseberry
<i>Ribes missouriense</i>	Wild Gooseberry
<i>Saxifraga pennsylvanica</i>	Swamp Saxifrage
<u>Scrophulariaceae</u> (Snapdragon Family)	
<i>Mimulus ringens</i>	Monkey Flower
<i>Scrophularia marilandica</i>	Figwort
* <i>Verbascum blattaria</i>	Moth Mullein
* <i>Verbascum phlomoides</i>	Mullein
* <i>Verbascum thapsus</i>	Mullein

Veronica peregrino	Neckweed
Veronicastrum virginicum	Culver's Root
<u>Solanaceae</u> (Tomato Family)	
*Datura stramonium	Jimsonweed
*Lycium halimifolium (rare)	Matrimony Vine
Physalis heterophylla	Ground-cherry
Physalis longifolia	Ground-cherry
*Solanum carolinense	Horse-nettle
*Solanum nigrum	Black Nightshade
<u>Staphylieaceae</u> (Bladder Nut Family)	
Staphylea trifolia	Bladder Nut
<u>Thymelaeaceae</u> (Oleaster Family)	
Dirca palustris (rare)	Leatherwood
<u>Tiliaceae</u> (Linden Family)	
Tilia americana	Basswood
<u>Ulmaceae</u> (Elm Family)	
Celtis occidentalis	Hackberry
Ulmus americana	Elm
Ulmus rubra	Slippery Elm
<u>Urticaceae</u> (Nettle Family)	
Laportea canadensis	Wood Nettle
Parietaria pennsylvanica	Pellitory
Pilea pumila	Clearwood
Urtica dioica	Stinging Nettle
<u>Verbenaceae</u> (Vervain Family)	
Lippia lanceolata	Fog-fruit
Verbena bracteata	Vervain
Verbena hastata	Blue Vervain
Verbena stricta	Blue Vervain
Verbena urticifolia	White Vervain
<u>Violaceae</u> (Violet Family)	
Viola missouriensis	Missouri Violet
Viola pennsylvanica	Yellow Violet
Viola sororia	Blue Violet
<u>Vitaceae</u> (Grape Family)	
Parthenocissus quinquefolia	Virginia Creeper
Parthenocissus vitacea	Virginia Creeper
Vitis riparia	Wild Grape

Monocotyledoneae

<u>Alismataceae</u> (Water-plantain Family)		
<i>Alisma subcordatum</i>	Water-plantain	
<i>Sagittaria latifolia</i>	Arrowhead weed	
<u>Amaryllidaceae</u> (Amaryllis Family)		
<i>Allium canadense</i>	Wild-onion	
<i>Allium tricoccum</i>	Wild-leek	
<u>Araceae</u> (Arum Family)		
<i>Arisaema dracontium</i>	Green Dragon	
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	
<u>Commelinaceae</u> (Spiderwort Family)		
<i>Tradescantia ohiensis</i>	Spiderwort	
<u>Cyperaceae</u> (Sedge Family)		
<i>Carex albursina</i>	Sedge	
<i>Carex blanda</i>		
<i>Carex grayii</i>		
<i>Carex hirtifolia</i>		
<i>Carex oligocarpa</i> (rare)		
<i>Carex pennsylvanica</i>		
<i>Carex rosea</i>		
<i>Carex sparaganioides</i>		
<i>Carex stipata</i>		
<i>Carex vulpinoidea</i>		
<i>Cyperus strigosus</i>		Galingale
<i>Scirpus atrovirens</i>		Bulrush
<u>Dioscoreaceae</u> (Yam Family)		
<i>Dioscorea villosa</i>	Wild Yam	
<u>Iridaceae</u> (Iris Family)		
<i>Sisyrinchium angusifolium</i> (rare)	Blue-eyed Grass	
<u>Juncaceae</u> (Rush Family)		
<i>Juncus tenuis</i>	Path Rush	
<u>Lemnaceae</u> (Duckweed Family)		
<i>Limna minor</i>	Duckweed	
<u>Liliaceae</u> (Lily Family)		
* <i>Asparagus officinalis</i>	Asparagus	
<i>Erythronium albidum</i>	Dog-tooth-violet	
<i>Polygonatum cannaliculatum</i>	Solon's Seal	
<i>Smilacina racemosa</i>	False Solomon's Seal	
<i>Uvularia grandiflora</i>	Bellwort	

Orchidaceae (Orchid Family)

Aplectrum hyemale (rare)	Putty-root
Cypripedium calceolus (rare)	Yellow Lady-slipper
Orchis spectabilis	Showy Orchis

Poaceae (Gramineae) (Grass Family)

*Agropyron repens	Quack Grass
*Agrostis alba	Redtop
Agrostis hyemalis	Tickle Grass
*Avena sativa	Oats
Brachyeletrum erectum	
*Bromus inermis	Brome
Bromus purgans	Brome
*Bromus tectorum	Cheat
Calamagrostis canadensis	Blue-joint
Cinna arundinacea	Reedgrass
*Dactylis glomerata	Orchard Grass
Diarrhena americana (rare)	
Digitaria ischaemum	Crab Grass
*Echinochloa crusgalli	Barnyard Grass
Elymus canadensis	Wild-rye
Elymus villosus	Wild-rye
*Eragrostis cilianensis	Stink Grass
Eragrostis pectinacea	Stink Grass
Festuca obtusa	Fescue
Glyceria striata	Manna Grass
Hordeum jubatum	Squirreltail Grass
Hystrix patula	Bottle-brush Grass
*Lolium multiflorum	Italian Rye-grass
Muhlenbergia fondosa	Muhly
Muhlenbergia schreberi	Muhly
Oryzopsis racemosa (rare)	Mountain Rice
(This species previously unreported in Johnson County)	
Panicum implicatum	Panic Grass
Panicum latifolium	Panic Grass
Panicum virgatum	Switchgrass
*Phleum pratense	Timothy
*Poa compressa	Blue Grass
*Poa pratensis	Kentucky Blue Grass
*Setaria verticillata	Foxtail
*Setaria viridis	Foxtail

Smilacaceae (Greenbriar Family)

Smilax ecirrhata	Carrion-flower
Smilax herbacea	Carrion-flower
Smilax hispida	Greenbrier

Trilliaceae (Trillium Family)

Trillium flexipes (rare)	Trillium
Trillium nivale	Snow Trillium

Statistical Summary

1. Components of the Flora of the Turkey Creek Scientific Area:

Major Groups	Families	Genera	Species	
			Native	Naturalized
"Pteridophytes"	6	11	13	0
Conifers	1	1	1	0
Dicotyledons	68	199	258	57
Monocotyledons	14	46	55	15
Totals	89	257	327	72

2. Total number of species of vascular plants: 399.

3. Fifteen families are represented by 6 or more species:

Apiaceae	18	Poaceae	34
Aspidiaceae	6	Polygonaceae	12
Asclepiadaceae	6	Ranunculaceae	13
Asteraceae	54	Rosaceae	17
Brassicaceae	10	Salicaceae	6
Cyperaceae	12	Scrophulariaceae	7
Fabaceae	17	Solanaceae	6
Lamiaceae	16		

4. Thirty-four genera are represented by 3 or more species.

5. The three largest genera:

Asclepias	6
Polygonum	8
Carex	10

Conclusion

It is hoped that more work will be done on the biology of this area in the future. Perhaps one of the most interesting studies would certainly be in the field of Plant and Animal Ecology.

Any errors or omissions which appear in this list are my own, and I hope they will be brought to my attention.

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