

## Appendix - Plant List for the Johnson County Heritage Trust's Turkey Creek Preserve, Johnson County, Iowa

Species Name	Family	Common Name	Origin	Locality	Comments
<i>Acalypha virginica</i> L.	Euphorbiaceae	Virginia three-seeded mercury	Native	Zone 3	Along creek bank
<i>Acer negundo</i> L.	Aceraceae	Box elder	Native	Zone 3	Along creek
<i>Acer saccharum</i> L.	Aceraceae	Sugar maple	Native	Zone 3, Zone 4	Wooded slopes along creek, southeastern quarter of East Woodland
<i>Achillea millefolium</i> L. ssp. <i>lanulosa</i> (Nutt.) Piper	Asteraceae	Yarrow	Native	Zone 1, Zone 2	Prairie, old fields
<i>Actaea</i> sp.	Ranunculaceae	Baneberry	Native	N/A	USACE
<i>Adiantum pedatum</i> L.	Adiantaceae	Maidenhair fern	Native	Zone 4	Southeastern quarter of East Woodland
<i>Agalinus tenuifolia</i> (Vahl.) Raf.	Scrophulariaceae	Slender false foxglove	Native	Zone 2	East Old Fields
<i>Agastache scrophulariifolia</i> (Willd.) Kuntze	Lamiaceae	Purple giant-hyssop	Native	Zone 3	A few plants in low woods along creek
<i>Agrimonia gryposepala</i> Wallr.	Rosaceae	Tall agrimony	Native	Zone 4	Woodland
<i>Agrimonia parviflora</i> Aiton	Rosaceae	Swamp agrimony	Native	Zone 2	West Old Field
<i>Agrostis gigantea</i> Roth	Poaceae	Redtop	Alien	Zone 3	Creek bank
<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande	Brassicaceae	Garlic mustard	Alien	Zone 4	One plant in woodland near southeast corner of Preserve
<i>Allium canadense</i> L.	Liliaceae	Wild onion	Native	Zone 1, Zone 4	Prairie and open woodland
<i>Allium tricoccum</i> Aiton	Liliaceae	Wild leek	Native	Zone 4	Locally abundant on Rock Outcrop
<i>Ambrosia artemisiifolia</i> L.	Asteraceae	Common ragweed	Native	Zone 1	Along path
<i>Ambrosia trifida</i> L.	Asteraceae	Giant ragweed	Native	Zone 3	Along creek
<i>Amorpha fruticosa</i> L.	Fabaceae	Indigo bush	Native	Zone 3	Two plants along creek
<i>Amphicarpaea bracteata</i> (L.) Fern.	Fabaceae	Hog peanut	Native	Zone 4	Abundant in woodland
<i>Andropogon gerardii</i> Vitman	Poaceae	Big bluestem	Native	Zone 1	Prairie
<i>Anemone quinquefolia</i> L.	Ranunculaceae	Wood anemone	Native	Zone 4	At the crest of Rock Outcrop.
<i>Anemone virginiana</i> L.	Ranunculaceae	Tall anemone	Native	Zone 4, Zone 2	Open woodland & thickets
<i>Antennaria neglecta</i> Greene	Asteraceae	Pussytoes	Native	Zone 2	East Old Fields
<i>Antennaria plantaginifolia</i> (L.) Richardson	Asteraceae	Ladies'-tobacco	Native	Zone 2, Zone 4	East Old Fields and above south end of Rock Outcrop
<i>Apios americana</i> Medicus	Fabaceae	Groundnut	Native	Zone 3	Moist lowland along creek
<i>Apocynum cannabinum</i> L.	Apocynaceae	Indian hemp	Native	Zone 2	Dry upland thicket on East Old Fields, and on prairie ridge
<i>Aquilegia canadensis</i> L.	Ranunculaceae	Columbine	Native	Zone 4	Rocky ledges on outcrops
<i>Aralia nudicalis</i> L.	Araliaceae	Wild sarsaparilla	Native	Zone 4	Upper crest of Rock Outcrop
<i>Aralia racemosa</i> L.	Araliaceae	Spikenard	Native	Zone 4	Lower 1/2 of Rock Outcrop

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<i>Arctium minus</i> Bernh.	Asteraceae	Burdock	Alien	Zone 2	Semi-wooded ravine on West Old Field
<i>Arisaema triphyllum</i> (L.) Schott	Araceae	Jack-in-the-pulpit	Native	Zone 4	Woodland
<i>Asarum canadense</i> L.	Aristolochiaceae	Wild ginger	Native	Zone 4	Abundant on Rock Outcrop
<i>Asclepias exaltata</i> L.	Asclepiadaceae	Poke milkweed	Native	Zone 4	Scattered plants on East Woodland
<i>Asclepias incarnata</i> L.	Asclepiadaceae	Swamp milkweed	Native	Zone 3	Localized population along creek
<i>Asclepias syriaca</i> L.	Asclepiadaceae	Common milkweed	Native	Zone 3	Along creek
<i>Asclepias verticillata</i> L.	Asclepiadaceae	Whorled milkweed	Native	Zone 2	Dry upland on East Old Fields
<i>Asparagus officinalis</i> L.	Liliaceae	Asparagus	Alien	Zone 2	One plant on northern East Old Field
<i>Asplenium platyneuron</i> (L.) Oakes ex D. C.	Aspleniaceae	Ebony spleenwort	Native	Zone 2	Several plants on East Old Fields
<i>Asplenium rhizophyllum</i> L.	Aspleniaceae	Walking fern	Native	Zone 4	Several colonies on Rock Outcrop
<i>Aster drummondii</i> Lindley	Asteraceae	Drummond's aster	Native	Zone 2	West Old Field
<i>Aster laevis</i> L.	Asteraceae	Smooth blue aster	Native	Zone 1	Prairie
<i>Aster lateriflorus</i> (L.) Britton	Asteraceae	Side-flowered aster	Native	Zone 4	Woodland
<i>Aster novae-angliae</i> L.	Asteraceae	New England aster	Native	Zone 1	N end of prairie
<i>Aster ontarionis</i> Wieg.	Asteraceae	Ontario aster	Native	Zone 4	Woodland
<i>Aster praealtus</i> Poiret	Asteraceae	Willow aster	Native	Zone 3	Along creek
<i>Aster prenanthoides</i> Muhl. ex Willd.	Asteraceae	Crooked stem aster	Native	Zone 3	Along creek
<i>Aster shortii</i> Lindley	Asteraceae	Short's aster	Native	Zone 2	West Old Field
<i>Athyrium filix-femina</i> (L.) Roth var. <i>angustum</i> (Willd.) Moore	Aspleniaceae	Lady fern	Native	Zone 4	Woodland
<i>Baptisia</i> sp.	Fabaceae	Wild indigo	Native	Zone 1	One juvenile plant on S-facing prairie slope
<i>Barbarea vulgaris</i> R. Br.	Brassicaceae	Yellow rocket	Alien	Zone 3	Along creek
<i>Berberis thunbergii</i> DC.	Berberidaceae	Barberry	Alien	Zone 4	Disturbed margin of East Woodland
<i>Bidens cernua</i> L.	Asteraceae	Nodding bur marigold	Native	Zone 3	Along creek
<i>Bidens connata</i> Muhl. ex Willd.	Asteraceae	Purplestem beggar-ticks	Native	Zone 3	Along creek
<i>Botrychium dissectum</i> Sprengel f. <i>dissectum</i>	Ophioglossaceae	Dissected grape fern	Native	Zone 2	Northern boundary of northern East Old Field
<i>Botrychium dissectum</i> Sprengel f. <i>obliquum</i> (Muhl.) Fern.	Ophioglossaceae	Oblique grape fern	Native	Zone 2	Northern boundary of northern East Old Field
<i>Botrychium virginianum</i> (L.) Sw.	Ophioglossaceae	Rattlesnake fern	Native	Zone 4	Woodland
<i>Bouteloua curtipendula</i> (Michx.) Torrey	Poaceae	Side-oats gramma	Native	Zone 1	Top of S-facing prairie slope
<i>Brachyelytrum erectum</i> (Schreber) Beauv.	Poaceae	Bearded shorthusk	Native	Zone 4	Upland woodland
<i>Brassica nigra</i> (L.) W. D. J. Koch	Brassicaceae	Black mustard	Alien	Zone 3	Along creek
<i>Brickellia eupatorioides</i> L. var. <i>corymbulosa</i> (T. & G.) Shinners	Asteraceae	False bonset	Native	Zone 4	Near base of south-facing prairie slope
<i>Bromus inermis</i> Leysser	Poaceae	Smooth brome	Alien	Zone 1	Ridge on Prairie
<i>Bromus pubescens</i> Muhl. ex Willd.	Poaceae	Canada brome	Native	Zone 4	Woodland

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<i>Cacalia muhlenbergii</i> (Sch.-Bip.) Fern.	Asteraceae	Great Indian plantain	Native	Zone 4	Locally abundant near base of slope on West Woodland, occasional plants higher on slope
<i>Calystegia sepium</i> (L.) R. Br.	Convolvulaceae	Bindweed	Native	Zone 3	Along creek
<i>Campanula americana</i> L.	Campanulaceae	Tall bellflower	Native	Zone 4	Widespread in woodland
<i>Campanula rotundifolia</i> L.	Campanulaceae	Harebell	Native	N/A	Documented by Dr. Bohumil Shimek in 1982. Precise location is unknown, but most likely Rock Outcrop. Not observed during current survey
<i>Capsella bursa-pastoris</i> (L.) Medicus	Brassicaceae	Shepherd's purse	Alien	Zone 3	Along creek
<i>Cardamine bulbosa</i> (Schreber) BSP.	Brassicaceae	Spring cress	Native	Zone 3	Along creek
<i>Cardamine pensylvanica</i> Muhl. ex Willd.	Brassicaceae	Bitter cress	Native	N/A	USACE
<i>Carex amphibola</i> Steudel var. <i>turgida</i> Fern.	Cyperaceae	Eastern narrowleaf sedge	Native	Zone 4	West Woodland
<i>Carex annectens</i>	Cyperaceae	Yellowfruit sedge	Native	Zone 1	Ridge on Prairie
<i>Carex blanda</i> Dewey	Cyperaceae	Eastern woodland sedge	Native	Zone 4	West Woodland
<i>Carex cephaloidea</i> (Dewey) Dewey	Cyperaceae	Thinleaf sedge	Native	Zone 4	West Woodland
<i>Carex cephalophora</i> Willd.	Cyperaceae	Oval-leaf sedge	Native	Zone 4	Woodland
<i>Carex cristatella</i> Britton	Cyperaceae	Crested sedge	Native	Zone 1	One plant observed on prairie ridge
<i>Carex davisii</i> Schwein. & Torrey	Cyperaceae	Davis' sedge	Native	Zone 1, Zone 2	Abundant on prairie, old fields
<i>Carex gracillima</i> Schwein.	Cyperaceae	Graceful sedge	Native	Zone 4	Localized populations on crest of steep, north-facing limestone outcrop and in low, moist woodland
<i>Carex granularis</i> Muhl. ex Willd.	Cyperaceae	Limestone meadow sedge	Native	Zone 4	Base of wooded slopes bordering west side of creek
<i>Carex gravida</i> Bailey	Cyperaceae	Heavy sedge	Native	Zone 1, Zone 4	Prairie & woodland
<i>Carex hirtifolia</i> Mack.	Cyperaceae	Pubescent sedge	Native	Zone 4	Woodland
<i>Carex jamesii</i> Schwein	Cyperaceae	James' sedge	Native	Zone 4	Localized population at the base of slope on West Woodland
<i>Carex normalis</i> Mack.	Cyperaceae	Greater straw sedge	Native	Zone 4	Woodland
<i>Carex pensylvanica</i> Lam.	Cyperaceae	Pennsylvania sedge	Native	Zone 4	Ridge in Southeastern quarter of East Woodland
<i>Carex rosea</i> Schkuhr ex Willd.	Cyperaceae	Rosy sedge	Native	Zone 4	Woodland
<i>Carex shortiana</i> Dewey	Cyperaceae	Short's sedge	Native	Zone 2, Zone 4	Locally abundant in two areas along both branches of Turkey Creek

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<i>Carex sparganioides</i> Muhl. ex Willd.	Cyperaceae	Burr reed sedge	Native	Zone 4	Rock Outcrop
<i>Carex stipata</i> Muhl. ex Willd.	Cyperaceae	Owlfruit sedge	Native	Zone 3	Along creek
<i>Carex vesicaria</i> L.	Cyperaceae	Blister sedge	Native	Zone 3	Along creek
<i>Carex vulpinoidea</i> Michx.	Cyperaceae	Fox sedge	Native	Zone 1	Low prairie
<i>Carya cordiformis</i> (Wang.) K. Koch	Juglandaceae	Bitternut hickory	Native	Zone 2	Old fields
<i>Carya ovata</i> (P. Miller) K. Koch	Juglandaceae	Shagbark hickory	Native	Zone 2	Old fields
<i>Caulophyllum thalictroides</i> (L.) Michx.	Berberidaceae	Blue cohosh	Native	Zone 4	Scattered populations in woodland
<i>Celastrus orbiculatus</i> Thunb.	Celastraceae	Oriental bittersweet	Alien	Zone 4	One plant in woodland along east branch of Turkey Creek
<i>Celastrus scandens</i> L.	Celastraceae	Bittersweet	Native	Zone 4	Woodland
<i>Celtis occidentalis</i> L.	Ulmaceae	Hackberry	Native	Zone 4	Woodland
<i>Cerastium nutans</i> Raf.	Caryophyllaceae	Nodding chickweed	Native	Zone 3	Along creek
<i>Cerastium semidecandrum</i> L.	Caryophyllaceae	Five-stamen chickweed	Alien	Zone 1	Mowed path
<i>Chaerophyllum procumbens</i> (L.) Crantz	Apiaceae	Chervil	Native	Zone 3	Shaded areas along creek
<i>Chamaecrista fasciculata</i> (Michx.) Greene	Fabaceae	Partridge pea	Native	Zone 1	Prairie
<i>Chenopodium standleyanum</i> Aellen	Chenopodiaceae	Woodland goosefoot	Native	Zone 4	Woodland above Rock Outcrop
<i>Cicuta maculata</i> L.	Apiaceae	Water hemlock	Native	Zone 2, Zone 3, Zone 4	Localized populations on West Old Field, along Turkey Creek near north end, and on East Woodland
<i>Cinna arundinacea</i> L.	Poaceae	Wood reed	Native	Zone 3, Zone 4	Open low woods along creek, and woodland south of Rock Outcrop
<i>Circaea lutetiana</i> L. <i>ssp. canadensis</i> (L.) Ascherson & Magnus	Onagraceae	Enchanter's nightshade	Native	Zone 4	Woodland
<i>Cirsium arvense</i> (L.) Scop.	Asteraceae	Canada thistle	Alien	Zone 3	Localized population on open area on east side of creek
<i>Cirsium discolor</i> (Muhl. ex Willd) Sprengel	Asteraceae	Field thistle	Native	Zone 3	Creek bank
<i>Claytonia virginica</i> L.	Portulacaceae	Spring beauty	Native	Zone 4	Woodland
<i>Comandra umbellata</i> (L.) Nutt.	Santalaceae	Bastard toadflax	Native	Zone 4	Several plants in young open woodland above Rock Outcrop
<i>Conium maculatum</i> L.	Apiaceae	Poison hemlock	Alien	Zone 3	Localized population along creek
<i>Corallorhiza odontorhiza</i> (Willd.) Nutt.	Orchidaceae	Fall coralroot	Native	Zone 4	A few plants above south end of Rock Outcrop
<i>Coreopsis tripteris</i> (L.)	Asteraceae	Tall tickseed	Native	Zone 2	West Old Field
<i>Cornus alternifolia</i> L. f.	Cornaceae	Pagoda dogwood	Native	Zone 4	Scattered individuals in woodland
<i>Cornus amomum</i> P. Miller <i>ssp. obliqua</i> (Raf.) J. S. Wilson	Cornaceae	Silky dogwood	Native	Zone 4	Rock Outcrop and USACE
<i>Cornus drummondii</i> C. A. Meyer	Cornaceae	Rough-leaved dogwood	Native	Zone 4	Woodland

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<i>Cornus foemina</i> P. Miller ssp. <i>racemosa</i> (Lam.) J. S. Wilson	Cornaceae	Gray dogwood	Native	Zone 4, Zone 2	Woodland, old fields
<i>Corylus americana</i> Walter	Betulaceae	Hazel	Native	Zone 2	Semi-wooded ravine on West Old Field
<i>Crataegus</i> sp.	Rosaceae	Hawthorn	Native	Zone 2	West Old Field
<i>Cryptotaenia canadensis</i> (L.) DC.	Apiaceae	Honewort	Native	Zone 4	Woodland
<i>Cuscuta cuspidata</i> Engelm.	Convolvulaceae	Dodder	Native	Zone 2	Northern East Old Field, along fence
<i>Cystopteris bulbifera</i> (L.) Bernh.	Aspleniaceae	Bulblet fern	Native	Zone 4	Abundant on Rock Outcrop
<i>Cystopteris protrusa</i> (Weath.) Blasdell	Aspleniaceae	Creeping fragile fern	Native	Zone 4	Southeastern quarter of East Woodland
<i>Dactylis glomerata</i> L.	Poaceae	Orchard grass	Alien	Zone 2	Old fields
<i>Dentaria laciniata</i> Muhl. ex Willd.	Brassicaceae	Toothwort	Native	N/A	USACE
<i>Desmodium canadense</i> (L.) DC.	Fabaceae	Canada tick-trefoil	Native	Zone 1	Ridge on Prairie
<i>Desmodium nudiflorum</i> (L.) DC.	Fabaceae	Bare-stemmed tick-trefoil	Native	N/A	About 3 plants on top of USACE outcrop
<i>Desmodium</i> sp.	Fabaceae	Tick trefoil	Native	Zone 2	Dry upland on East Old Fields
<i>Dianthus armeria</i> L.	Caryophyllaceae	Deptford pink	Alien	Zone 2	Dry upland on East and West Old Fields
<i>Diarrehena americana</i> Beauv. var. <i>obovata</i> Gl.	Poaceae	American beakgrass	Native	Zone 4	Two localized, widely-separated populations on southeastern quarter of East Woodland
<i>Dicentra cucullaria</i> (L.) Bernh.	Papaveraceae	Dutchman's breeches	Native	Zone 4	Woodland
<i>Dichantherium acuminatum</i> (Sw.) Gould & Clark	Poaceae	Tapered rosette grass	Native	Zone 1	Prairie
<i>Dichantherium clandestinum</i> (L.) Gould	Poaceae	Deertongue grass	Native	Zone 4	Locally abundant on south-facing slope near southern boundary of preserve
<i>Dioscorea villosa</i> L.	Dioscoreaceae	Wild yam	Native	Zone 4	Scattered throughout woodland
<i>Dirca palustris</i> L.	Thymelaeaceae	Leatherwood	Native	Zone 4	Abundant along crest of Rock Outcrop, with a few additional plants toward the base of the slope, as well as the ridgetop. Also abundant on adjacent USACE property.
<i>Dodecatheon meadia</i> L.	Primulaceae	Shooting star	Native	Zone 4	On Rock Outcrop along west margin of property, and abundant on contiguous USACE property.
<i>Dryopteris carthusiana</i> (Vill.) H. P. Fuchs	Aspleniaceae	Spinulose wood fern	Native	Zone 2	East Old Fields
<i>Echinochloa muricata</i> (Beauv.) Fern.	Poaceae	Barnyard grass	Native	Zone 3	Along creek
<i>Elaeagnus umbellata</i> Thunb.	Elaeagnaceae	Autumn olive	Alien	Zone 2	Abundant on old fields.
<i>Ellisia nyctelea</i> L.	Hydrophyllaceae	Waterpod	Native	Zone 3	Shaded areas along creek

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<i>Elymus canadensis</i> L.	Poaceae	Canada wild rye	Native	Zone 3, Zone 2	Along creek and west branch
<i>Elymus villosus</i> Muhl. ex Willd.	Poaceae	Slender wild rye	Native	Zone 4	East Woodland
<i>Elymus virginicus</i> L.	Poaceae	Virginia wild rye	Native	Zone 2	Along west branch of creek
<i>Epilobium coloratum</i> Biehler	Onagraceae	Cinnamon willowherb	Native	Zone 3	East branch of Turkey Creek
<i>Equisetum arvense</i> L.	Equisetaceae	Common horsetail	Native	Zone 3	Along creek
<i>Eragrostis hypnoides</i> (Lam.) BSP	Poaceae	Pony grass	Native	Zone 3	Muddy ground along creek
<i>Erigeron annuus</i> (L.) Pers.	Asteraceae	Fleabane	Native	Zone 3	Near entrance
<i>Erigeron strigosus</i> Muhl. ex Willd.	Asteraceae	Daisy fleabane	Native	Zone 1	Prairie
<i>Eryngium yuccifolium</i> Michx.	Apiaceae	Rattlesnake master	Native	Zone 1	Two plants on prairie, near base of south-facing slope
<i>Erythronium albidum</i> Nutt.	Liliaceae	Trout lily	Native	Zone 4	Woodland
<i>Eupatorium perfoliatum</i> L.	Asteraceae	Boneset	Native	Zone 3	Along creek
<i>Eupatorium purpureum</i> L.	Asteraceae	Purple Joe-pye-weed	Native	Zone 4	Woodland
<i>Eupatorium rugosum</i> Houtt.	Asteraceae	White snakeroot	Native	Zone 4	Woodland
<i>Euphorbia corollata</i> L.	Euphorbiaceae	Flowering spurge	Native	Zone 1	Ridge on Prairie
<i>Festuca obtusa</i> Biehler	Poaceae	Nodding fescue	Native	Zone 4	Woodland
<i>Festuca pratensis</i> Hudson	Poaceae	Meadow fescue	Alien	Zone 3	Disturbed ground along creek bank
<i>Fragaria virginiana</i> Duchesne	Rosaceae	Wild strawberry	Native	Zone 1, Zone 2	Prairie, old fields
<i>Fraxinus nigra</i> Marsh.	Oleaceae	Black ash	Native	Zone 3	Along creek and east branch, and on USACE outcrop
<i>Fraxinus pennsylvanica</i> Marsh var. <i>lanceolata</i> (Borkh.) Sarg.	Oleaceae	Green ash	Native	Zone 2	East Old Fields
<i>Galearis spectabilis</i> (L.) Raf.	Orchidaceae	Showy Orchid	Native	Zone 4	Two plants in dense thickets above Rock Outcrop
<i>Galium aparine</i> L.	Rubiaceae	Cleavers	Native	Zone 4	Woodland
<i>Galium circaezans</i> Michx.	Rubiaceae	Licorice bedstraw	Native	Zone 4	Open woodland near south end of Preserve
<i>Galium concinnum</i> T. & G.	Rubiaceae	Shining bedstraw	Native	Zone 4	Woodland
<i>Galium triflorum</i> Michx.	Rubiaceae	Sweet-scented bedstraw	Native	Zone 4	Woodland
<i>Gentiana alba</i> Muhl.	Gentianaceae	Pale gentian	Native	Zone 1, Zone 2	Abundant on prairie, scattered plants on old fields
<i>Geranium maculatum</i> L.	Geraniaceae	Wild geranium	Native	Zone 4	Woodland
<i>Geum canadense</i> Jacq.	Rosaceae	White avens	Native	Zone 4	Woodland
<i>Geum vernum</i> (Raf.) T. & G.	Rosaceae	Spring avens	Native	Zone 2	Locally abundant along southern margin of West Old Field

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<i>Glechoma hederacea</i> L.	Lamiaceae	Ground ivy	Alien	Zone 3	Along creek bank and west branch
<i>Gleditsia triacanthos</i> L.	Fabaceae	Honey locust	Native	Zone 2	West Old Field, near western margin of property
<i>Glyceria striata</i> (Lam.) A. S. Hitchc.	Poaceae	Fowl manna grass	Native	Zone 3	Along creek, in woodland
<i>Gnaphalium obtusifolium</i> L.	Asteraceae	Everlasting	Native	Zone 2	East Old Fields
<i>Gymnocarpium dryopteris</i> (L.) Newman	Aspleniaceae	Oak fern	Native	N/A	Documented by Dr. William A. Anderson in 1931. Precise location is unknown, but most likely Rock Outcrop. Not observed during current survey
<i>Hackelia virginiana</i> (L.) I. M. Johnston	Boraginaceae	Stickseed	Native	Zone 4	Woodland
<i>Helenium autumnale</i> L.	Asteraceae	Sneezeweed	Native	Zone 3	Along creek bank
<i>Helianthus grosseratus</i> Martens	Asteraceae	Saw-tooth sunflower	Native	Zone 1	On prairie, at base of south-facing slope
<i>Heliopsis helianthoides</i> (L.) Sweet	Asteraceae	Ox-eye	Native	Zone 1	Prairie
<i>Hepatica nobilis</i> P. Miller var. <i>acuta</i> (Pursh) Steyerl.	Ranunculaceae	Hepatica	Native	Zone 4	Woodland, especially along Rock Outcrop
<i>Hesperis matronalis</i> L.	Brassicaceae	Dame's rocket	Alien	Zone 3	One plant along creek near N margin of property. A very heavy infestation of this species is present on adjacent private property.
<i>Humulus lupulus</i> L.	Moraceae	Hops	Native	Zone 3	Along creek
<i>Hydrophyllum virginianum</i> L.	Hydrophyllaceae	Virginia waterleaf	Native	Zone 4, Zone 3	Woodland, shaded areas along creek
<i>Hypericum punctatum</i> Lam.	Hypericaceae	Spotted St. John's wort	Native	Zone 1, Zone 2	Prairie & old fields
<i>Hystrix patula</i> Moench	Poaceae	Bottlebrush grass	Native	Zone 4	Woodland
<i>Impatiens capensis</i> Meerb.	Balsaminaceae	Spotted touch-me-not	Native	Zone 3	Along creek
<i>Impatiens pallida</i> Nutt.	Balsaminaceae	Pale touch-me-not	Native	Zone 3	Along creek
<i>Juglans nigra</i> L.	Juglandaceae	Black Walnut	Native	Zone 4	East Woodland
<i>Juncus interior</i> Wieg.	Juncaceae	Inland rush	Native	Zone 1	Along path
<i>Juniperus virginiana</i> L.	Cupressaceae	Eastern red cedar	Native	Zone 2	Old fields
<i>Lactuca canadensis</i> L.	Asteraceae	Wild lettuce	Native	Zone 1	Ridge on Prairie
<i>Laportea canadensis</i> (L.) Wedd.	Urticaceae	Wood nettle	Native	Zone 4	East Woodland
<i>Leersia virginica</i> Willd.	Poaceae	Whitegrass	Native	Zone 4, Zone 3	Woodland and along creek bank
<i>Leonurus cardiaca</i> L.	Lamiaceae	Motherwort	Alien	Zone 3	Along creek
<i>Lepidium campestre</i> (L.) R. Br.	Brassicaceae	Field cress	Alien	Zone 3	Along creek

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<i>Lespedeza capitata</i> Michx.	Fabaceae	Round-headed bushclover	Native	Zone 1	One plant on prairie, near base of south-facing slope
<i>Liatris</i> sp.	Asteraceae	Blazing star	Native	Zone 1	One plant on prairie, on south-facing slope
<i>Liparis liliifolia</i> (L.) L. C. Rich. ex Lindley	Orchidaceae	Lily-leaved twayblade	Native	Zone 2	About 4 plants observed in thicket above south end of Rock Outcrop, 20+ plants on southern margin of West Old Field
<i>Lobelia inflata</i> L.	Campanulaceae	Indian tobacco	Native	Zone 2	Old fields, young successional woodland
<i>Lobelia siphilitica</i> L.	Campanulaceae	Great lobelia	Native	Zone 4	Thicket above outcrop
<i>Lonicera maackii</i> (Rupr.) Herder	Caprifoliaceae	Amur honeysuckle	Alien	Zone 3	Along driveway
<i>Lonicera prolifera</i> (Kirchner) Rehder	Caprifoliaceae	Wild honeysuckle	Native	Zone 4, Zone 2	Woodland, East Old Fields
<i>Lonicera tartarica</i> L.	Caprifoliaceae	Tartarian honeysuckle	Alien	Zone 4	Woodland
<i>Lotus corniculatus</i> L.	Fabaceae	Bird's-foot trefoil	Alien	Zone 1	Along path through prairie, and on East Old Fields
<i>Lycopus virginicus</i> L.	Lamiaceae	Virginia water horehound	Native	Zone 3	Along creek
<i>Maclura pomifera</i> (Raf. ex Sarg.) Schneider	Moraceae	Hedge apple	Native	Zone 3	Along creek
<i>Menispermum canadense</i> L.	Menispermaceae	Canada moonseed	Native	Zone 4	Woodland
<i>Mentha arvensis</i> L.	Lamiaceae	Wild mint	Native	Zone 3	Along creek
<i>Mertensia virginica</i> (L.) Pers. ex Link	Boraginaceae	Virginia bluebell	Native	Zone 4	Locally abundant on slope of West Woodland
<i>Mimulus ringens</i> L.	Scrophulariaceae	Monkey flower	Native	Zone 3	Along creek
<i>Mitella diphylla</i> L.	Saxifragaceae	Bishop's cap	Native	Zone 4	Rock Outcrop
<i>Moehringia lateriflora</i> (L.) Fenzl.	Caryophyllaceae	Sandwort	Native	Zone 4	At the crest of Rock Outcrop.
<i>Monarda fistulosa</i> L.	Lamiaceae	Wild bergamot	Native	Zone 1, Zone 2	Prairie, old fields
<i>Morus alba</i> L.	Moraceae	White mulberry	Alien	Zone 4	One plant on East Woodland along cree
<i>Muhlenbergia bushii</i> Pohl	Poaceae	Nodding muhly	Native	Zone 4	Woodland
<i>Muhlenbergia frondosa</i> (Poiret) Fern.	Poaceae	Wirestem muhly	Native	Zone 3	Along creek
<i>Myosoton aquaticum</i> (L.) Moench	Caryophyllaceae	Giant chickweed	Alien	Zone 3	Along creek
<i>Oenothera villosa</i> Thunb.	Onagraceae	Gray evening primrose	Native	Zone 1	One plant on prairie, on south-facing slo

## Appendix - Plant List for the Johnson County Heritage Trust's Turkey Creek Preserve, Johnson County, Iowa

<i>Onoclea sensibilis</i> L.	Aspleniaceae	Sensitive fern	Native	Zone 2	A few plants located along western margin of property, along semi-wooded ravine
<i>Oryzopsis racemosa</i> (Smith) Ricker	Poaceae	Black-seeded rice-grass	Native	N/A	About 10 plants located about half way up USACE outcrop
<i>Osmorhiza claytonii</i> (Michx.) C. B. Clarke	Apiaceae	Sweet cicely	Native	Zone 4	Woodland
<i>Osmorhiza longistylis</i> (Torrey) DC.	Apiaceae	Anise root	Native	Zone 4	Woodland
<i>Ostrya virginiana</i> (P. Miller) K. Koch	Betulaceae	Ironwood	Native	Zone 4	Woodland
<i>Oxalis stricta</i> L.	Oxalidaceae	Yellow wood sorrel	Native	Zone 4	Woodland
<i>Panax quinquefolius</i> L.	Araliaceae	Ginseng	Native	Zone 4	Seven+ plants on southeastern quarter of East Woodland
<i>Panicum capillare</i> L.	Poaceae	Witchgrass	Native	Zone 3	Along creek
<i>Panicum virgatum</i> L.	Poaceae	Switchgrass	Native	Zone 1	One plant on prairie
<i>Parietaria pensylvanica</i> Muhl. ex Willd.	Urticaceae	Pellitory	Native	Zone 4	On top of Rock Outcrop
<i>Pastinaca sativa</i> L.	Apiaceae	Wild parsnip	Alien	Zone 3	A few plants along creek bank
<i>Penstemon digitalis</i> Nutt.	Scrophulariaceae	Foxglove penstemon	Native	Zone 1	A few plants on south-facing prairie slope
<i>Penthorum sedoides</i> L.	Saxifragaceae	Ditch stonecrop	Native	Zone 3	Localized population along creek
<i>Phalaris arundinacea</i> L.	Poaceae	Reed canary grass	Native	Zone 3	Abundant along creek
<i>Phleum pratense</i> L.	Poaceae	Timothy	Alien	Zone 2	Dry upland on East Old Fields
<i>Phlox divaricata</i> L.	Polemoniaceae	Blue phlox	Native	Zone 4	Woodland
<i>Phlox paniculata</i> L.	Polemoniaceae	Garden phlox	Alien	Zone 3	Along creek bank near entrance
<i>Phryma leptostachya</i> L.	Phrymaceae	Lopseed	Native	Zone 4	Woodland
<i>Physalis heterophylla</i> Nees	Solanaceae	Ground cherry	Native	Zone 2	Old fields
<i>Physalis virginiana</i> P. Miller	Solanaceae	Ground cherry	Native	Zone 2	West Old Field
<i>Pilea pumila</i> (L.) Gray	Urticaceae	Clearweed	Native	Zone 3	Base of slopes along creek
<i>Plantago rugelii</i> Dcne.	Plantaginaceae	Common plantain	Native	Zone 1	Along path
<i>Poa compressa</i> L.	Poaceae	Canadian bluegrass	Alien	Zone 1	Prairie
<i>Poa pratensis</i> L.	Poaceae	Kentucky bluegrass	Alien	Zone 1	Prairie
<i>Podophyllum peltatum</i> L.	Berberidaceae	Mayapple	Native	Zone 4	East Woodland
<i>Polemonium reptans</i> L.	Polemoniaceae	Jacob's ladder	Native	Zone 4	Woodland
<i>Polygonatum biflorum</i> (Walter) Ell.	Liliaceae	Solomon's seal	Native	Zone 4	Woodland
<i>Polygonum lapathifolium</i> L.	Polygonaceae	Curlytop knotweed	Native	Zone 3	Creek bank
<i>Polygonum pensylvanicum</i> L. var. <i>leavigatum</i> Fern.	Polygonaceae	Pennsylvania smartweed	Native	Zone 3	Along creek
<i>Polygonum persicaria</i> L.	Polygonaceae	Lady's thumb	Native	Zone 3	Along creek
<i>Polygonum punctatum</i> Ell.	Polygonaceae	Water smartweed	Native	Zone 3	Creek bank
<i>Polygonum sagittatum</i> L.	Polygonaceae	Tearthumb	Native	Zone 3	Localized population along creek bank
<i>Polygonum scandens</i> L.	Polygonaceae	Climbing false buckwheat	Native	Zone 2	Semi-wooded ravine on West Old Field

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<i>Polygonum virginianum</i> L.	Polygonaceae	Jumpseed	Native	Zone 4	Woodland
<i>Populus grandidentata</i> Michx.	Salicaceae	Big-tooth aspen	Native	Zone 4	Two large, localized stands on East Woodland
<i>Populus tremuloides</i> Michx.	Salicaceae	Trembling aspen	Native	Zone 2	West Old Field
<i>Potamogeton foliosus</i> Raf.	Potamogetonaceae	Leafy pondweed	Native	Zone 3	Scattered plants growing in creek, especially near S end of property
<i>Potentilla recta</i> L.	Rosaceae	Sulphur cinquefoil	Alien	Zone 1, Zone 2	Scattered on prairie, old fields
<i>Potentilla simplex</i> Michx.	Rosaceae	Common cinquefoil	Native	Zone 1, Zone 2	Scattered plants in woodland and thickets
<i>Prunella vulgaris</i> L.	Lamiaceae	Self heal	Alien	Zone 2	East Old Fields
<i>Prunus americana</i> Marsh.	Rosaceae	Wild plum	Native	Zone 2	Old fields
<i>Prunus serotina</i> Ehrh.	Rosaceae	Black cherry	Native	Zone 4, Zone 2	Woodland, old fields
<i>Prunus virginiana</i> L.	Rosaceae	Choke cherry	Native	Zone 4	Woodland
<i>Pycnanthemum pilosum</i> Nutt.	Lamiaceae	Hairy mountain mint	Native	Zone 2	East Old Fields
<i>Pycnanthemum virginianum</i> (L.) Dur. & Jackson	Lamiaceae	Virginia mountain mint	Native	Zone 1	One plant on prairie, on south-facing slope
<i>Quercus alba</i> L.	Fagaceae	White oak	Native	Zone 4	Woodland
<i>Quercus borealis</i> Michx. var. <i>maxima</i> (Marsh.) Ashe	Fagaceae	Red oak	Native	Zone 4	East Woodland
<i>Quercus macrocarpa</i> Michx.	Fagaceae	Bur oak	Native	Zone 4	Woodland
<i>Ranunculus abortivus</i> L.	Ranunculaceae	Small-flowered crowfoot	Native	Zone 4	Woodland
<i>Ranunculus septentrionalis</i> Poiret	Ranunculaceae	Swamp buttercup	Native	Zone 4	Woodland
<i>Ratibida pinnata</i> (Vent.) Barnh.	Asteraceae	Gray-headed coneflower	Native	Zone 1, Zone 2	Prairie & old fields
<i>Rhamnus cathartica</i> L.	Rhamnaceae	Buckthorn	Alien	Zone 4	Woodland
<i>Rhus glabra</i> L.	Anacardiaceae	Smooth sumac	Native	Zone 2	Thickets
<i>Ribes cynosbati</i> L.	Saxifragaceae	Prickly gooseberry	Native	Zone 4	On top of Rock Outcrop
<i>Ribes missouriense</i> Nutt. ex T. & G.	Saxifragaceae	Gooseberry	Native	Zone 4	Woodland
<i>Rorripa sessiliflora</i> (Nutt.) A. S. Hitchc.	Brassicaceae	Yellow cress	Native	Zone 3	Along creek
<i>Rosa multiflora</i> Thunb. ex Murray	Rosaceae	Multiflora rose	Alien	Zone 4, Zone 2	Woodland, old fields
<i>Rubus allegheniensis</i> Porter ex Bailey	Rosaceae	Blackberry	Native	Zone 2	Old fields
<i>Rubus occidentalis</i> L.	Rosaceae	Black raspberry	Native	Zone 2	Old fields
<i>Rudbeckia hirta</i> L.	Asteraceae	Black-eyed susan	Native	Zone 4	Scattered plants on prairie, on south-facing slope
<i>Rudbeckia laciniata</i> L.	Asteraceae	Tall coneflower	Native	Zone 3	Along creek

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## Appendix - Plant List for the Johnson County Heritage Trust's Turkey Creek Preserve, Johnson County, Iowa

<i>Rudbeckia triloba</i> L.	Asteraceae	Brown-eyed susan	Native	Zone 3, Zone 4	Open low woods along creek and woodland south of Rock Outcrop
<i>Rumex altissimus</i> Wood	Polygonaceae	Pale dock	Native	Zone 3	Along creek
<i>Rumex crispus</i> L.	Polygonaceae	Curly dock	Alien	Zone 3	Along creek
<i>Sagittaria latifolia</i> Willd.	Alismataceae	Arrowhead	Native	Zone 3	Scattered populations along southern 1/2 of creek
<i>Salix nigra</i> Marsh.	Salicaceae	Black willow	Native	Zone 3	Along creek near entrance
<i>Sambucus canadensis</i> L.	Caprifoliaceae	Elderberry	Native	Zone 3	Along creek
<i>Sanguinaria canadensis</i> L.	Papaveraceae	Bloodroot	Native	Zone 4	Woodland
<i>Sanicula canadensis</i> L.	Apiaceae	Black snakeroot	Native	Zone 4	Scattered plants in young successional woodland on ridgetop above outcrop, and in woodland along creek
<i>Sanicula gregaria</i> Bickn.	Apiaceae	Common snakeroot	Native	Zone 4	Woodland
<i>Schizachyrium scoparium</i> (Michx.) Nash	Poaceae	Little bluestem		Zone 1	Ridge on Prairie
<i>Scirpus atrovirens</i> Willd.	Cyperaceae	Dark green bulrush	Native	Zone 3	Along creek
<i>Scirpus validus</i> Vahl. var. <i>creber</i> Fern.	Cyperaceae	Soft-stemmed bulrush	Native	Zone 3	Localized population along creek
<i>Scrophularia marilandica</i> L.	Scrophulariaceae	Figwort	Native	Zone 4	Woodland
<i>Scutellaria lateriflora</i> L.	Lamiaceae	Mad-dog scullcap	Native	Zone 3	Along N end of creek, and on USACE
<i>Scutellaria ovata</i> Hill	Lamiaceae	Heartleaf scullcap	Native	Zone 4	Woodland
<i>Senecio aureus</i> L.	Asteraceae	Golden ragwort	Native	Zone 4	Locally abundant in woodland, especially on upland of West Woodland and near northern margin of East Woodland
<i>Senecio plattensis</i> Nutt.	Asteraceae	Prairie ragwort	Native	Zone 2	Old fields
<i>Setaria glauca</i> (L.) Beauv.	Poaceae	Yellow foxtail	Alien	Zone 3	Along creek
<i>Setaria verticillata</i> (L.) Beauv.	Poaceae	Bristly foxtail	Alien	Zone 3	Along eroded creek bank
<i>Sicyos angulatus</i> L.	Cucurbitaceae	Bur cucumber	Native	Zone 3	Several plants along creek
<i>Silene nivea</i> (Nutt.) Otth	Caryophyllaceae	Snow champion	Native	Zone 3	Moist lowland along creek
<i>Silphium integrifolium</i> Michx.	Asteraceae	Rosinweed	Native	Zone 1	Several plants on prairie, at base of south-facing slope
<i>Silphium laciniatum</i> L.	Asteraceae	Compass plant	Native	Zone 1	One plant near base of S-facing prairie slope
<i>Silphium perfoliatum</i> L.	Asteraceae	Cup plant	Native	Zone 1	Base of prairie slope
<i>Sisymbrium loeselii</i> L.	Brassicaceae	Tumble mustard	Alien	Zone 3	One plant on disturbed ground along creek bank
<i>Sisyrinchium campestre</i> Bickn.	Iridaceae	Blue-eyed grass	Native	Zone 2	East Old Fields
<i>Smilacena racemosa</i> (L.) Desf.	Liliaceae	False solomon's seal	Native	Zone 4	Woodland

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<i>Smilax ecirrhata</i> (Engelm. ex Kunth) S. Watson	Liliaceae	Carrion flower	Native	Zone 3	Along driveway
<i>Smilax herbacea</i> L.	Liliaceae	Carrion flower	Native	N/A	USACE
<i>Smilax hispida</i> Muhl.	Liliaceae	Greenbriar	Native	Zone 4	Woodland
<i>Solanum americanum</i> P. Miller	Solanaceae	Black nightshade	Native	Zone 1	One plant in path
<i>Solanum carolinense</i> L.	Solanaceae	Horse nettle	Native	Zone 3, Zone 2	Along creek and on uplands
<i>Solidago canadensis</i> L.	Asteraceae	Tall goldenrod	Native	Zone 2	Along west branch of creek
<i>Solidago flexicaulis</i> L.	Asteraceae	Zig-zag goldenrod	Native	Zone 4	Rock Outcrop
<i>Solidago rigida</i> L.	Asteraceae	Stiff goldenrod	Native	Zone 4	Near base of south-facing prairie slope
<i>Solidago ulmifolia</i> Muhl. ex Willd.	Asteraceae	Elm-leaved goldenrod	Native	Zone 4	East Woodland
<i>Sphenopholis obtusata</i> (Michx.) Scribner var. <i>major</i> (Torrey) K. S. Erdman	Poaceae	Wedge grass	Native	Zone 4	Woodland
<i>Spiranthes cernua</i> (L.) L. C. Rich	Orchidaceae	Nodding ladies'-tresses	Native	Zone 2	One plant on southern East Old Field
<i>Spirodela polyrhiza</i> (L.) Schleidon	Lemnaceae	Greater duckweed	Native	Zone 3	Wet mud along creek
<i>Stachys tenuifolia</i> Willd. var. <i>hispida</i> (Pursh) Fern.	Lamiaceae	Hedge nettle	Native	Zone 3	Along creek bank
<i>Staphylea trifolia</i> L.	Staphyleaceae	Bladdernut	Native	Zone 4	Locally abundant on slope of West Woodland
<i>Stellaria media</i> (L.) Vill.	Caryophyllaceae	Common chickweed	Alien	Zone 3	Along creek
<i>Teucrium canadense</i> L. var. <i>virginicum</i> (L.) Eaton	Lamiaceae	American germander	Native	Zone 4, Zone 2	Woodland, old fields
<i>Thalictrum dasycarpum</i> Fischer & Ave-Lall.	Ranunculaceae	Purple meadow-rue	Native	Zone 3	Bottomland along north end of Rock Outcrop
<i>Thalictrum thalictroides</i> (L.) Eames & Boivin	Ranunculaceae	Rue anemone	Native	Zone 4	Woodland, especially on Rock Outcrop
<i>Thaspium barbinode</i> (Michx.) Nutt.	Apiaceae	Meadow parsnip	Native	Zone 2	Semi-wooded ravine on West Old Field
<i>Thlaspi arvense</i> L.	Brassicaceae	Penny cress	Alien	Zone 3	Along creek
<i>Tilia americana</i> L.	Tiliaceae	Basswood	Native	Zone 4	East and West Woodlands
<i>Toxicodendron radicans</i> P. Miller	Anacardiaceae	Poison ivy	Native	Zone 4, Zone 2, Zone 1	Woodland, old fields, prairie
<i>Trifolium pratense</i> L.	Fabaceae	Red clover	Alien	Zone 1	Mowed path
<i>Trifolium repens</i> L.	Fabaceae	White clover	Alien	Zone 1	Mowed path
<i>Trillium flexipes</i> Raf.	Liliaceae	Nodding trillium	Native	N/A	Private land due south of Preserve boundary. 20+ plants at the base of north-facing wooded slope.

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## Appendix - Plant List for the Johnson County Heritage Trust's Turkey Creek Preserve, Johnson County, Iowa

					Documented on Rock Outcrop by Sorensen. Not observed during the current inventory, but probably still extant.
<i>Trillium nivale</i> Riddell	Liliaceae	Snow trillium	Native	N/A	
<i>Triodanis perfoliata</i> (L.) Nieuw.	Campanulaceae	Venus' looking-glass	Native	Zone 2	Old fields
<i>Triosteum perfoliatum</i> L.	Caprifoliaceae	Horse gentian	Native	Zone 4	Scattered plants in woodland south of Rock Outcrop, East Old Fields
<i>Ulmus americana</i> L.	Ulmaceae	American elm	Native	Zone 4	West Woodland
<i>Ulmus rubra</i> Muhl.	Ulmaceae	Slippery elm	Native	Zone 4	West Woodland
<i>Urtica dioica</i> L.	Urticaceae	Stinging nettle	Native	Zone 3	Abundant long creek
<i>Uvularia grandiflora</i> Small	Liliaceae	Bellwort	Native	Zone 4	Rock Outcrop
<i>Verbascum thapsus</i> L.	Scrophulariaceae	Mullein	Alien	Zone 3	Along eroded creek bank
<i>Verbena urticifolia</i> L.	Verbenaceae	White vervain	Native	Zone 2	Semi-wooded ravine on West Old Field
<i>Verbesina alternifolia</i> (L.) Britton	Asteraceae	Wingstem	Native	Zone 3	Abundant on lowland along creek
<i>Veronica peregrina</i> L.	Scrophulariaceae	Neckweed	Native	Zone 3	Along creek
<i>Veronicastrum virginicum</i> (L.) Farw.	Scrophulariaceae	Culver's root	Native	Zone 4, Zone 2	At the crest of Rock Outcrop, also on old field
<i>Viburnum lentago</i> L.	Caprifoliaceae	Nannyberry	Native	Zone 2	Along west branch of creek
<i>Viburnum opulus</i> L.	Caprifoliaceae	High-bush cranberry	Alien	Zone 4	Woodland
<i>Viburnum rafinesquianum</i> Schultes	Caprifoliaceae	Downy arrowwood	Native	Zone 4	Near the crest of Rock Outcrop. Plants occur on both the preserve and USACE land, about 15 plants in all.
<i>Viola pratincola</i> Greene	Violaceae	Common blue violet	Native	Zone 4	Woodland
<i>Viola pubescens</i> Aiton	Violaceae	Downy yellow violet	Native	Zone 4	Woodland
<i>Vitis riparia</i> Michx.	Vitaceae	Wild grape	Native	Zone 3	Along creek
<i>Zanthoxylum americanum</i> P. Miller	Rutaceae	Prickly ash	Native	Zone 4	Margin of woodland
<i>Zizia aurea</i> (L.) Koch	Apiaceae	Golden alexanders	Native	Zone 1	Prairie



