

**Botanical survey of Ciha property
T-81-N, R-5-W N.W. 1/4 of N.W. 1/4 of Section 13
Cedar Township, Johnson County, Iowa**

Compiled by Aaron Basten

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
<u>BRYOPHYTES</u>		
AMBLYSTEGIACEAE		
Campylium cf. radicale	Moss	
AULACOMNIACEAE		
Aulacomnium palustre	Moss	Center of S. pond. Probable county record
BRACHYTHECIACEAE		
Brachythecium oxycladon	Moss	
BRYACEAE		
Pohlia nutans	Copper Wire Moss	
DITRICHACEAE		
Ditrichum pallidum	Moss	
FUNARIACEAE		
Funaria hygrometrica	Moss	
LEUCOBRYACEAE		
Leucobryum glaucum	Cushion Moss	
MNIACEAE		
Plagiomnium cuspidatum	Moss	
POLYTRICHACEAE		
Atrichum altecristatum	Moss	
Polytrichum commune	Hair-cap Moss	
RICCIACEAE		
Riccia fluitans	Liverwort	Floating on south side of fen mat and n. pond
Ricciocarpos natans	Liverwort	On wet mud shoreline south side of fen mat, floating n. pond
SPHAGNACEAE		
Sphagnum subsecundum	Sphagnum	Center of S. pond. Probable county record
THUIDIACEAE		
Thuidium delicatulum	Moss	
<u>PTERIDOPHYTES</u>		
AZOLLACEAE		
Azolla mexicana	Mosquito Fern	S. pond
<u>GYMNOSPERMS</u>		
CUPRESSACEAE		
Juniperus virginiana	Red Cedar	
<u>DICOTYLEDONS</u>		
ACANTHACEAE		
Ruellia humilis	Wild Petunia	
ACERACEAE		
Acer negundo	Box Elder	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
AIZOACEAE		
Mollugo verticillata	Carpetweed	Non-native
AMARANTHACEAE		
Froelichia floridana	Cottonweed	
APIACEAE		
Sanicula gregaria	Common Snakeroot	
Sanicula marilandica	Black Snakeroot	
ASCLEPIADACEAE		
Asclepias verticillata	Whorled Milkweed	
ASTERACEAE		
Achillea millefolium	Yarrow	
Antennaria neglecta	Pussytoes	
Antennaria plantaginifolia	Pussytoes	
Artemisia ludoviciana	Dark Leaved Mugwort	
Aster laterifloris	Starved Aster	
Aster parviceps	Small Headed Aster	
Bidens cernua	Bur-marigold	S. pond. Fen mat
Erigeron annuus	White-top	
Erigeron canadensis	Horseweed	weedy
Erigeron philadelphicus	Philadelphia Fleabane	
Eupatorium perfoliatum	Boneset	Also on fen mat
Gnaphalium obtusifolium	Sweet Everlasting	s.e. shore of n. pond
Helenium autumnale	Sneezeweed	
Hieracium canadense	Canada Hawkweed	South bank of south pond - rare
Krigia biflora	Twin-flowered Cynthia	
Lactuca canadensis	Wild Lettuce	
Senecio plattensis	Prairie Ragwort	
Taraxacum officinale	Dandelion	Non-native
Tragopogon pratensis	Common Goat's Beard	Non-native
Vernonia fasciculata	Western Ironweed	
BERBERIDACEAE		
Berberis Thunbergii	Japanese Barberry	
BETULACEAE		
Betula nigra	River Birch	Pond borders
BORAGINACEAE		
Lithospermum carolinense	Hairy Puccoon	
Lithospermum incisum	Narrow-leaved Puccoon	
Myosotis verna	Early Scorpion Grass	Infrequent to rare
BRASSICACEAE		
Capsella bursa-pastoris	Shepherd's Purse	Non-native
Descurainia pinnata	Tansy-mustard	
Draba reptans	Whillow-grass	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
Rorippa palustris	Marsh Yellow Cress	N. pond
CALLITRICHACEAE		
Callitriche heterophylla	Water Starwort	Northeast quarter of north pond. Threatened in Iowa
CAMPANULACEAE		
Lobelia inflata	Indian Tobacco	
Lobelia spicata	Lobelia	
Triodanis perfoliata	Venus' Looking-glass	
CARYOPHYLLACEAE		
Cerastium vulgatum	Mouse-ear Chickweed	
Dianthus armeria	Deptford Pink	Non-native
Silene antirrhina	Sleepy Catchfly	
Silene noctiflora	Night-flowering Catchfly	Non-native
Silene stellata	Starry Campion	
CHENOPODIACEAE		
Cycloloma atriplicifolium	Winged Pigweed	western north fence line - open sand area
CISTACEAE		
Helianthemum sp.	Frostweed	western north fence line - open sand area
COMMELINACEAE		
Tradescantia ohiensis	Spiderwort	
CONVOLVULACEAE		
Cuscuta sp.	Dodder	
EUPHORBIACEAE		
Euphorbia corollata	Flowering Spurge	
FABACEAE		
Amorpha canescens	Leadplant	
Chamaecrista fasciculata	Partridge Pea	
Crotalaria sagittalis	Rattlebox	western north fence line - open sand area
Desmodium illinoense	Illinois Tick Trefoil	
Gleditsia triacanthos	Honey Locust	
Lespedeza capitata	Prairie Bushclover	
Medicago sativa	Alfalfa	Seeded
Robinia pseudoacacia	Blacklocust	
Strophostyles leiosperma	Small Wild Bean	
Trifolium repens	White Clover	
FAGACEAE		
Quercus alba	White Oak	Predominant Quercus species
Quercus velutina	Black Oak	
GERANIACEAE		
Geranium carolinianum	Wild Cranesbill	
HYPERICACEAE		
Triadenum fraseri	Marsh St. John's-wort	S. pond fen mat. Probable county record - rare
JUGLANDACEAE		

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
<i>Carya ovata</i>	Shagbark Hickory	Single tree near s.e. corner
<i>Juglans nigra</i>	Black Walnut	
LAMIACEAE		
<i>Hedionea hispidum</i>	Mock Pennyroyal	
<i>Leonurus cardiaca</i>	Motherwort	Non-native
<i>Lycopus americanus</i>	Cut-leaved Water Horehound	
<i>Lycopus uniflorus</i>	Water-horehound	
<i>Lycopus virginicus</i>	Water Horehound	Infrequent to rare
<i>Monarda punctata</i>	Horsemint	
<i>Nepeta cataria</i>	Catnip	
<i>Prunella vulgaris</i>	Heal-all	
<i>Pycnanthemum pilosum</i>	Hairy Mountain Mint	
<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	
<i>Scutellaria lateriflora</i>	Skullcap	
<i>Teucrium canadense</i>	Gemander	
LENTIBULARIACEAE		
<i>Utricularia vulgaris</i>	Bladderwort	Center of S. pond
MORACEAE		
<i>Cannabis sativa</i>	Hemp	
<i>Morus rubra</i>	Mulberry	
NYCTAGINACEAE		
<i>Mirabilis nyctaginea</i>	Four-o'clock	
NYMFAEACEAE		
<i>Brasenia schreberi</i>	Watershield	N. pond. Endangered in Iowa
ONAGRACEAE		
<i>Circaea lutetiana</i>	Enchanter's Nightshade	
<i>Oenothera biennis</i>	Common Evening Primrose	
<i>Oenothera laciniata</i>	Cut-leaved Evening Primrose	Slope facing road
OXALIDACEAE		
<i>Oxalis stricta</i>	Yellow Wood-sorrel	
PAPAVERACEAE		
<i>Corydalis micrantha</i>	Corydalis	Probable county record
PHYTOLACCACEAE		
<i>Phytolacca americana</i>	Pokeweed	
PLANTAGINACEAE		
<i>Plantago major</i>	Common Plantain	Non-native
<i>Plantago patagonica</i>	Salt-and-pepper Plant	
POLEMONIACEAE		
<i>Phlox bifida</i>	Cleft Phlox	Abundant but rare statewide
<i>Phlox divaricata</i>	Blue Phlox	
POLYGALACEAE		
<i>Polygala sanguinea</i>	Milkwort	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
<i>Polygonum pennsylvanicum</i>	Common Smartweed	S. pond
<i>Polygonum punctatum</i>	Dotted Smartweed	S. pond
<i>Polygonum sagittatum</i>	Tear Thumb	
<i>Rumex acetosella</i>	Sorrel Rumex	
<i>Rumex altissimus</i>	Pale Dock	
<i>Rumex crispus</i>	Curly Dock	Non-native
PRIMULACEAE		
<i>Androsace occidentalis</i>	Androsace	
<i>Lysimachia radicans?</i>	Creeping Loosestrife	N. pond. Probable county record. Needs verification
<i>Lysimachia thyrsoiflora</i>	Tufted Loosestrife	Center of S. pond. Good population - rare statewide
RANUNCULACEAE		
<i>Aquilegia canadensis</i>	Columbine	
<i>Myosurus minimus</i>	Mousetail	Probable county record - infrequent
<i>Ranunculus abortivus</i>	Kidneyleaf Buttercup	
<i>Ranunculus fascicularis</i>	Early Crowfoot	Abundant
<i>Ranunculus rhomboideus</i>	Prairie Buttercup	Infrequent to rare
ROSACEAE		
<i>Fragaria virginiana</i>	Wild Strawberry	
<i>Potentilla arguta</i>	Prairie Cinquefoil	
<i>Potentilla norvegica</i>	Rough Cinquefoil	
<i>Potentilla simplex</i>	Common Cinquefoil	
<i>Prunus virginiana</i>	Choke Cherry	
<i>Rosa carolina</i>	Pasture Rose	
<i>Rosa multiflora</i>	Multiflora Rose	Sprayed in 1991,92 - Non-native
<i>Rubus occidentalis</i>	Black Raspberry	
RUBIACEAE		
<i>Cephalanthus occidentalis</i>	Button Bush	Dominant Shrub esp. S. pond
<i>Galium</i> sp.	Bedstraw	
<i>Hedyotis crassifolia</i>	Bluets	Abundant - infrequent statewide
RUTACEAE		
<i>Zanthoxylum americanum</i>	Prickly Ash	
SALICACEAE		
<i>Populus deltoides</i>	Cottonwood	
SANTALACEAE		
<i>Comandra umbellata</i>	Bastard-toadflax	
SAXIFRAGACEAE		
<i>Heuchera richardsonii</i>	Alum Root	
<i>Penthorum sedoides</i>	Ditch Stonecrop	N. pond
<i>Ribes missouriense</i>	Gooseberry	
SCROPHULARIACEAE		
<i>Agalinis tenuifolia</i>	Slender Gerardia	
<i>Gratiola neglecta</i>	Hedge Hyssop	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
<i>Gratiola virginiana</i>	Hedge Hyssop	N. pond - rare non-native
<i>Scrophularia lanceolata</i>	Early Figwort	
<i>Verbascum thapsus</i>	Mullein	Non-native
<i>Veronicastrum virginicum</i>	Culver's Root	
SOLANACEAE		
<i>Solanum americanum</i>	Black Nightshade	
<i>Solanum carolinense</i>	Horse Nettle	
<i>Solanum rostratum</i>	Buffalo-bur	weedy
ULMACEAE		
<i>Celtis occidentalis</i>	Hackberry	Single tree in s.e. corner
<i>Ulmus americana</i>	American Elm	
URTICACEAE		
<i>Pilea pumila</i>	Clearweed	spoil area of s. pond
<i>Urtica dioica</i>	Stinging Nettle	
VERBENACEAE		
<i>Phyla lanceolata</i>	Fogfruit	Moist n.w. edge of s. pond
<i>Verbena hastata</i>	Blue Vervain	
<i>Verbena stricta</i>	Hoary Vervain	
<i>Verbena urticifolia</i>	White Vervain	
<i>Verbena x blanchardi</i>	Vervain	
VIOLACEAE		
<i>Viola lanceolata</i>	White Violet	Rare
<i>Viola pedata</i>	Bird's Foot Violet	Large population esp. between ponds
<i>Viola pratincola</i>	Violet	
<i>Viola sagittata</i>	Purple Violet	Infrequent to rare
VITACEAE		
<i>Parthenocissus inserta</i>	Virginia Creeper	
<i>Parthenocissus quinquefolia</i>	Virginia Creeper	
MONOCOTYLEDONS		
ALISMATACEAE		
<i>Alisma plantago-aquatica</i>	Water-plantain	
<i>Sagittaria latifolia</i>	Arrowhead	N. pond
CYPERACEAE		
<i>Dulichium arundinaceum</i>	Three-way Sedge	S. pond - rare
<i>Scirpus cyperinus</i>	Wool Grass	
<i>Scirpus validus</i>	Softstem bulrush	N. pond
LEMNACEAE		
<i>Lemna minor</i>	Duckweed	
LILIACEAE		
<i>Hypoxis hirsuta</i>	Yellow Stargrass	
<i>Polygonatum biflorum</i>	Small Solomon's Seal	
<i>Smilacina sp.</i>	False Solomon's Seal	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Comments</u>
Smilax sp.	Catbriar	
POACEAE		
Agrostis perennans	Upland Bent Grass	
Alopecurus aequalis	Marsh Foxtail	Infrequent to rare
Alopecurus carolinianus	Foxtail	Pond edges - infrequent to rare
Bouteloua hirsuta	Hairy Grama	Probable county record
Dactylis glomerata	Orchard Grass	Non-native
Dichanthelium acuminatum	Hairy Panicum	
Dichanthelium oligosanthes	Scribner's Panicum	
Echinochloa muricata	Barnyard Grass	South pond edge in water
Koeleria macrantha	June Grass	
Leersia oryzoides	Cutgrass	South pond between fen and bank
Panicum dichotomiflorum	Fall Panicum	Weedy grass
Paspalum setaceum	Ciliate leaved Paspalum	Infrequent to rare
Poa compressa	Blue Grass	Non-native
Poa pratensis	Blue Grass	Non-native
Sporobolus asper	Tall Dropseed	Probably abundant if allowed to grow
Sporobolus cryptandrus	Sand Dropseed	Probably abundant if allowed to grow
Stipa spartea	Spear Grass	
PONTEDERIACEAE		
Pontederia cordata	Pickernelweed	N. pond - infrequent to rare
SPARGANIACEAE		
Sparganium americanum	Bur-reed	N. pond - infrequent to rare

Natural Areas Inventory

Map 4 (Solon Quad) Site 3: Restored Prairie

This is the property of Aaron Basten, reported by Aaron Basten. He has a site list.