

Ciha Fen

Floristic Quality Assessment Technique

Iowa Database

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

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
ABUTHE	*	<i>ABUTILON THEOPHRASTI</i>	Buttonweed	A-Forb	4	FACU-	MALVACEAE		1	
ACAGRA	6	<i>Acalypha gracilens</i>	Slender three-seeded mercury	A-Forb	5	UPL	EUPHORBIACEAE	1		Special Concern
ACARHO	5	<i>Acalypha rhomboidea</i>	Three-seeded mercury	A-Forb	3	FACU	EUPHORBIACEAE	1		Common around pond edges
ACENEG	1	<i>Acer negundo</i>	Box elder	Tree	-2	FACW-	ACERACEAE	1		
ACESAI	3	<i>Acer saccharinum</i>	Silver maple	Tree	-3	FACW	ACERACEAE	1		West of north wet area section 13
ACHMIL	2	<i>Achillea millefolium lanulosa</i>	Western yarrow	P-Forb	3	FACU	ASTERACEAE	1		
AGATEN	6	<i>Agalinis tenuifolia</i>	Slender false foxglove	A-Forb	-3	FACW	SCROPHULARIACEAE	1		
AGANEP	5	<i>Agastache nepetoides</i>	Yellow giant-hyssop	P-Forb	3	FACU	LAMIACEAE	1		
AGEALT	3	<i>Ageratina altissima</i>	White snakeroot	P-Forb	3	FACU	ASTERACEAE	1		
AGRPUB	4	<i>Agrimonia pubescens</i>	Soft agrimony	P-Forb	5	UPL	ROSACEAE	1		
AGRPER	*	<i>AGROPYRON REPENS</i>	Quack grass	P-Gram	3	FACU	POACEAE		1	
AGRGIG	*	<i>AGROSTIS GIGANTEA</i>	Redtop	P-Gram	-3	FACW	POACEAE		1	
AGRPER	5	<i>Agrostis perennans</i>	Upland grass	P-Gram	1	FAC-	POACEAE	1		
ALISUB	5	<i>Alisma subcordatum</i>	Water plantain	P-Forb	-5	OBL	ALISMATACEAE	1		
ALLPET	*	<i>ALLIARIA PETIOLATA</i>	Garlic mustard	B-Forb	0	FAC	BRASSICACEAE		1	
ALOAEQ	6	<i>Alopecurus aequalis</i>	Foxtail, Short awned meadow-foxtail	P-Gram	-5	OBL	POACEAE	1		Infrequent to rare
ALOCAR	2	<i>Alopecurus carolinianus</i>	Common foxtail	A-Gram	-3	FACW	POACEAE	1		
AMBPSI	3	<i>Ambrosia psilostachya</i>	Western ragweed	P-Forb	1	FAC-	ASTERACEAE	1		West section 13
AMBART	1	<i>Ambrosia artemisiifolia</i>	Common ragweed	A-Forb	3	FACU	ASTERACEAE	1		
AMBTRI	1	<i>Ambrosia trifida</i>	Giant ragweed	A-Forb	-1	FAC+	ASTERACEAE	1		
AMOCAN	8	<i>Amorpha canescens</i>	Lead plant	Shrub	5	UPL	FABACEAE	1		
AMPBRB	4	<i>Amphicarpaea bracteata</i>	Hog peanut	H-Vine	0	FAC	FABACEAE	1		Ridgetop between fen pond, Edge of Oaks, and road section 13
ANDGER	6	<i>Andropogon gerardii</i>	Big bluestem	P-Gram	1	FAC-	POACEAE	1		
ANDOCC	4	<i>Androsace occidentalis</i>	Rock jasmine	A-Forb	4	FACU-	PRIMULACEAE	1		
ANECYL	7	<i>Anemone cylindrica</i>	Windflower, Thimbleweed	P-Forb	5	UPL	RANUNCULACEAE	1		
ANEVIR	5	<i>Anemone virginiana</i>	Tall anemone	P-Forb	5	UPL	RANUNCULACEAE	1		
ANTNEG	3	<i>Antennaria neglecta</i>	Pussytoes	P-Forb	5	UPL	ASTERACEAE	1		
ANTPLA	3	<i>Antennaria plantaginifolia</i>	Ladies'-tobacco	P-Forb	5	UPL	ASTERACEAE	1		
APIAME	5	<i>Apios americana</i>	Ground-nut	H-Vine	-3	FACW	FABACEAE	1		
APOAND	4	<i>Apocynum androsaemifolium</i>	Spreading dogbane	P-Forb	5	UPL	APOCYNACEAE	1		
AQUCAN	6	<i>Aquilegia canadensis</i>	Columbine	P-Forb	1	FAC-	RANUNCULACEAE	1		
ARASER	*	<i>ARENARIA SERPYLLIFOLIA</i>	Thyme-leaved sandwort	A-Forb	0	FAC	CARYOPHYLLACEAE		1	
ARTCAC	4	<i>Artemisia campestris caudata</i>	Western sagewort	B-Forb	5	UPL	ASTERACEAE	1		West center of section 12
ARTLUD	4	<i>Artemisia ludoviciana</i>	White sage	P-Forb	5	UPL	ASTERACEAE	1		
ASCAMP	6	<i>Asclepias amplexicaulis</i>	Sand milkweed	P-Forb	5	UPL	ASCLEPIADACEAE	1		
ASCINC	4	<i>Asclepias incarnata</i>	Swamp milkweed	P-Forb	-5	OBL	ASCLEPIADACEAE	1		A single plant documented in 2015
ASCSYR	1	<i>Asclepias syriaca</i>	Common milkweed	P-Forb	5	UPL	ASCLEPIADACEAE	1		
ASCVER	1	<i>Asclepias verticillata</i>	Whorled milkweed	P-Forb	5	UPL	ASCLEPIADACEAE	1		
ATHFIA	6	<i>Athyrium filix-femina angustum</i>	Northern lady fern	P-Pter	0	FAC	ASPLENIACEAE	1		
AZOMEX	9	<i>Azolla mexicana</i>	Mosquito fern	P-Pter	-5	OBL	AZOLLACEAE	1		
BERTHU	*	<i>BERBERIS THUNBERGII</i>	Japanese barberry	Shrub	4	FACU-	BERBERIDACEAE		1	
BERINC	*	<i>BERTEROA INCANA</i>	Hoary alyssum	A-Forb	5	UPL	BRASSICACEAE		1	
BETNIG	6	<i>Betula nigra</i>	River birch	Tree	-3	FACW	BETULACEAE	1		
BIDCER	2	<i>Bidens cernua</i>	Nodding bur marigold	A-Forb	-5	OBL	ASTERACEAE	1		
BIDCON	3	<i>Bidens connata</i>	Purplestemmed tickseed	A-Forb	-5	OBL	ASTERACEAE	1		

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
BOECYC	6	<i>Boehmeria cylindrica</i>	False nettle	P-Forb	-5	OBL	URTICACEAE	1		
BOLAST	5	<i>Boltonia asteroides</i>	False aster	P-Forb	-3	FACW	ASTERACEAE	1		
BOTDID	6	<i>Botrychium dissectum dissectum</i>	Dissected grape fern	P-Pter	0	FAC	OPHIOGLOSSACEAE	1		
BOTDIO	6	<i>Botrychium dissectum obliquum</i>	Oblique grape fern	P-Pter	0	FAC	OPHIOGLOSSACEAE	1		
BOUCUR	6	<i>Bouteloua curtipendula</i>	Side-oats grama	P-Gram	5	UPL	POACEAE	1		
BOUHIR	8	<i>Bouteloua hirsuta</i>	Hairy grama	P-Gram	5	UPL	POACEAE	1		Probable county record. Frequent to Infrequent West
BRASCH	10	<i>Brasenia schreberi</i>	Watershield	P-Forb	-5	OBL	NYMPHAEACEAE	1		Special Concern, North & South Pond
BROINE	*	<i>BROMUS INERMIS</i>	Smooth brome	P-Gram	5	UPL	POACEAE		1	
LITARV	0	<i>LITHOSPERMUM ARVENSE</i>	Corn-gromwell	A-Forb	5	UPL	BORAGINACEAE		1	
CALHET	8	<i>Callitriche heterophylla</i>	Large water starwort	A-Forb	-5	OBL	CALLITRICHACEAE	1		Special Concern, Northeast corner of north pond
CALSEP	1	<i>Calystegia sepium</i>	American bindweed	P-Forb	0	FAC	CONVOLVULACEAE	1		
CAMAME	4	<i>Campanula americana</i>	Tall bellflower	A-Forb	0	FAC	CAMPANULACEAE	1		
CAMAPA	9	<i>Campanula aparinoides</i>	Marsh bellflower	P-Forb	-5	OBL	CAMPANULACEAE	1		
CANSAT	*	<i>CANNABIS SATIVA</i>	Hemp, marijuana	A-Forb	0	FAC	MORACEAE		1	
CAPBUR	*	<i>CAPSELLA BURSA-PASTORIS</i>	Shepherd's purse	A-Forb	1	FAC-	BRASSICACEAE		1	
CARPAR	4	<i>Cardamine parviflora arenicola</i>	Small-flowered bitter cress	A-Forb	0	FAC	BRASSICACEAE	1		
CXBLAN	3	<i>Carex blanda</i>	Common wood sedge	P-Gram	0	FAC	CYPERACEAE	1		
CXBREV	4	<i>Carex brevior</i>	Plains oval sedge	P-Gram	0	FAC	CYPERACEAE	1		Slope SE of of N pond section 13
CXCEPP	5	<i>Carex cephalophora</i>	Short-headed bracted sedge	P-Gram	3	FACU	CYPERACEAE	1		
CXDAVI	4	<i>Carex davisii</i>	Awned graceful sedge	P-Gram	-1	FAC+	CYPERACEAE	1		
CARGRI	4	<i>Carex grisea</i>	Wood gray sedge	P-Gram	0	FAC	CYPERACEAE	1		Low area, S. of the fen pond, Sec. 13
CXLASI	10	<i>Carex lasiocarpa americana</i>	Wooly-fruit sedge	P-Gram	-5	OBL	CYPERACEAE	1		
CXLUPN	5	<i>Carex lupulina</i>	Common hop sedge	P-Gram	-5	OBL	CYPERACEAE	1		
CXMOLE	3	<i>Carex molesta</i>	Field oval sedge	P-Gram	0	FAC	CYPERACEAE	1		North edge of north most wet area section 13
CXPENP	5	<i>Carex pennsylvanica</i>	Pennsylvania oak sedge	P-Gram	5	UPL	CYPERACEAE	1		
CXSCOP	5	<i>Carex scoparia</i>	Lance-fruited oval sedge	P-Gram	-3	FACW	CYPERACEAE	1		
CXTRIB	3	<i>Carex tribuloides</i>	Awl-fruited oval sedge	P-Gram	-4	FACW+	CYPERACEAE	1		
CXVESI	7	<i>Carex vesicaria</i>	Tufted lake sedge	P-Gram	-5	OBL	CYPERACEAE	1		Wet area below dam section 12
CXVULP	3	<i>Carex vulpinoidea</i>	Brown fox sedge	P-Gram	-5	OBL	CYPERACEAE	1		
CAROV	5	<i>Carya ovata</i>	Shagbark hickory	Tree	3	FACU	JUGLANDACEAE	1		
CELSCA	3	<i>Celastrus scandens</i>	Bittersweet	W-Vine	3	FACU	CELASTRACEAE	1		
CELOCC	3	<i>Celtis occidentalis</i>	Hackberry	Tree	1	FAC-	ULMACEAE	1		
CENLON	1	<i>Cenchrus longispinus</i>	Sandbur	A-Gram	5	UPL	POACEAE	1		
CEPOCC	6	<i>Cephalanthus occidentalis</i>	Buttonbush	Shrub	-5	OBL	RUBIACEAE	1		
CERVUL	*	<i>CERASTIUM VULGATUM</i>	Mouse-ear chickweed	P-Forb	3	FACU	CARYOPHYLLACEAE		1	
CERDEM	1	<i>Ceratophyllum demersum</i>	Coontail, hornwort	P-Forb	-5	OBL	CERATOPHYLLACEAE	1		
CHAPRC	2	<i>Chaerophyllum procumbens</i>	Chervil	A-Forb	-1	FAC+	APIACEAE	1		
CHAFAS	3	<i>Chamaecrista fasciculata</i>	Partridge pea	A-Forb	5	UPL	FABACEAE	1		
CHEALB	*	<i>CHENOPODIUM ALBUM</i>	Lamb's quarters	A-Forb	1	FAC-	CHENOPODIACEAE		1	
CICMAC	8	<i>Cicuta maculata</i>	Water hemlock	B-Forb	-5	OBL	APIACEAE	1		Few plants N edge NW wetland section 12
CIRLUT	4	<i>Circaea lutetiana canadensis</i>	Enchanter's nightshade	P-Forb	3	FACU	ONAGRACEAE	1		
CIRARV	*	<i>CIRSIUM ARVENSE</i>	Canada thistle	P-Forb	3	FACU	ASTERACEAE		1	
COMUMB	8	<i>Comandra umbellata</i>	Bastard toadflax	P-Forb	3	FACU	SANTALACEAE	1		
COMCOM	*	<i>COMMELINA COMMUNIS</i>	Common day flower	A-Forb	0	FAC	COMMELINACEAE		1	
CONCAN	1	<i>Coryza canadensis</i>	Horseweed, mule tail	A-Forb	1	FAC-	ASTERACEAE	1		
CORPAL	7	<i>Coreopsis palmata</i>	Tickseed, prairie coreopsis	P-Forb	5	UPL	ASTERACEAE	1		
CORTRP	4	<i>Coreopsis tripteris</i>	Tall tickseed	P-Forb	0	FAC	ASTERACEAE	1		25 yds W of NW last living oak section 13
CORDRU	3	<i>Cornus drummondii</i>	Rough-leaved dogwood	Shrub	0	FAC	CORNACEAE	1		
CORMIC	3	<i>Corydalis micrantha</i>	Slender fumewort	B-Forb	5	UPL	PAPAVERACEAE	1		
CORAME	5	<i>Corylus americana</i>	Hazelnut	Shrub	0	FAC	BETULACEAE	1		North fenceline section 12
CROSAG	4	<i>Crotalaria sagittalis</i>	Rattle box	A-Forb	5	UPL	FABACEAE	1		

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
CROGLA	4	<i>Croton glandulosus septentrionalis</i>	Sand croton	A-Forb	5	UPL	EUPHORBIACEAE	1		
CRYCAN	2	<i>Cryptotaenia canadensis</i>	Honewort	P-Forb	0	FAC	APIACEAE	1		W 1/2, section 13
CUSGRO	4	<i>Cuscuta gronovii</i>	Common dodder	A-Forb	-3	FACW	CONVOLVULACEAE	1		
CUSPOL	4	<i>Cuscuta polygonorum</i>	Knotweed dodder	A-Forb	5	UPL	CONVOLVULACEAE	1		
CYCATR	2	<i>Cycloloma atriplicifolium</i>	Winged pigweed	A-Forb	3	FACU	CHENOPODIACEAE	1		
CYPESC	1	<i>Cyperus esculentus</i>	Yellow nut grass	P-Gram	-3	FACW	CYPERACEAE	1		Northeast corner of section 12
CYPFIN	8	<i>Cyperus filiculmis</i>	Slender flat sedge	A-Gram	4	FACU-	CYPERACEAE	1		Southwest edge section 12, sandy soil
CYPSCB	5	<i>Cyperus schweinitzii</i>	Rough sand sedge	P-Gram	2	FACU+	CYPERACEAE	1		West of west central power poles in section 12
CYPSTR	3	<i>Cyperus strigosus</i>	Long-scaled nut sedge	P-Gram	-3	FACW	CYPERACEAE	1		
DACGLO	*	<i>DACTYLIS GLOMERATA</i>	Orchard grass	P-Gram	3	FACU	POACEAE		1	
DAUCAR	*	<i>DAUCUS CAROTA</i>	Queen Anne's lace	B-Forb	5	UPL	APIACEAE		1	
DESPIB	2	<i>Descurainia pinnata brachycarpa</i>	Tansy mustard	A-Forb	5	UPL	BRASSICACEAE	1		
DESILE	6	<i>Desmodium illinoense</i>	Illinois tick-trefoil	P-Forb	5	UPL	FABACEAE	1		
DIAARM	*	<i>DIANTHUS ARMERIA</i>	Deptford pink	A-Forb	5	UPL	CARYOPHYLLACEAE		1	
DIAAME	7	<i>Diarrhena americana obovata</i>	Beak grass	P-Gram	-3	FACW	POACEAE	1		East grove section 12
DICACU	3	<i>Dichanthelium acuminatum</i>	Panic grass	P-Gram	0	FAC	POACEAE	1		
DICOLS	5	<i>Dichanthelium oligosanthes screbnerianum</i>	Scribner's Panic Grass	P-Gram	3	FACU	POACEAE	1		
DIGCOG	5	<i>Digitaria Cognata</i>	Fall witchgrass	A-Gram	5	UPL	POACEAE	1		W 1/2, section 13
DRAREP	7	<i>Draba reptans</i>	Whitlow grass	A-Forb	5	UPL	BRASSICACEAE	1		
DRYCAR	8	<i>Dryopteris carthusiana</i>	Spinulose wood fern	P-Pter	5	UPL	ASPLENIACEAE	1		
DRYCRI	8	<i>Dryopteris cristata</i>	Crested wood fern	P-Pter	-5	OBL	ASPLENIACEAE	1		Small population on the N.E. side of the fen mat
DULARU	9	<i>Dulichium arundinaceum</i>	Three-way sedge	P-Gram	-5	OBL	CYPERACEAE	1		South pond rare
ECHMUR	3	<i>Echinochloa muricata</i>	Spiny barnyard grass	A-Gram	-5	OBL	POACEAE	1		
ELEERY	4	<i>Eleocharis erythropoda</i>	Red-rooted spike rush	P-Gram	-5	OBL	CYPERACEAE	1		
ELLYNYC	1	<i>Ellisia nyctelea</i>	Waterpod, wild tomato	A-Forb	-1	FAC+	HYDROPHYLLACEAE	1		
ELYVIR	4	<i>Elymus virginicus</i>	Virginia wild rye	P-Gram	-2	FACW-	POACEAE	1		
EPICOL	4	<i>Epilobium coloratum</i>	Cinnamon willowherb	P-Forb	-5	OBL	ONAGRACEAE	1		East edge of north pond sect 13
ERASPE	4	<i>Eragrostis spectabilis</i>	Purple lovegrass	P-Gram	5	UPL	POACEAE	1		
EREHIE	1	<i>Erechtites hieracifolia</i>	Fireweed	A-Forb	3	FACU	ASTERACEAE	1		
ERIANN	1	<i>Erigeron annuus</i>	Annual fleabane	A-Forb	1	FAC-	ASTERACEAE	1		
ERIPHI	4	<i>Erigeron philadelphicus</i>	Fleabane	P-Forb	-3	FACW	ASTERACEAE	1		
ERISTR	3	<i>Erigeron strigosus</i>	Daisy fleabane	P-Forb	1	FAC-	ASTERACEAE	1		
ERYCHE	*	<i>ERYSIMUM CHEIRANTHOIDES</i>	Wormseed mustard	A-Forb	3	FACU	BRASSICACEAE		1	Top of ridge E of Fen pond
EUPPER	6	<i>Eupatorium perfoliatum</i>	Boneset	P-Forb	-4	FACW+	ASTERACEAE	1		
EUPSER	3	<i>Eupatorium serotinum</i>	Late boneset	P-Forb	-1	FAC+	ASTERACEAE	1		
EUPCOR	5	<i>Euphorbia corollata</i>	Flowering spurge	P-Forb	5	UPL	EUPHORBIACEAE	1		
EUPCYA	*	<i>EUPHORBIA CYANTHOPHORA</i>	Wild poinsettia	A-Forb	5	UPL	EUPHORBIACEAE	1		Northwest section 12
EUPCYP	*	<i>EUPHORBIA CYPARISSIAS</i>	Cypress spurge	P-Forb	5	UPL	EUPHORBIACEAE		1	
EUPDEN	3	<i>Euphorbia dentata</i>	Toothed spurge	A-Forb	5	UPL	EUPHORBIACEAE	1		
EUTPUR	6	<i>Eutrochium purpureum</i>	Purple Joe-pye-weed	P-Forb	0	FAC	ASTERACEAE	1		
FALSCA	2	<i>Fallopia scandens</i>	Climbing false buckwheat	H-Vine	0	FAC	POLYGONACEAE	1		
FESOBT	6	<i>Festuca obtusa</i>	Nodding fescue	P-Gram	2	FACU+	POACEAE	1		
FESPRA	*	<i>FESTUCA PRATENSIS</i>	Meadow fescue	P-Gram	4	FACU-	POACEAE		1	
FRAVIR	3	<i>Fragaria virginiana</i>	Wild strawberry	P-Forb	1	FAC-	ROSACEAE	1		
FRAPEL	2	<i>Fraxinus pennsylvanica</i>	Green ash	Tree	-3	FACW	OLEACEAE	1		
FROFLO	8	<i>Froelichia floridana campestris</i>	Cottonweed	A-Forb	5	UPL	AMARANTHACEAE	1		
GALAPA	1	<i>Galium aparine</i>	Cleavers	A-Forb	3	FACU	RUBIACEAE	1		
GALCON	6	<i>Galium concinnum</i>	Shining bedstraw	P-Forb	3	FACU	RUBIACEAE	1		Gopher mounds section 12
GALTIN	7	<i>Galium tinctorium</i>	Stiff bedstraw	P-Forb	-5	OBL	RUBIACEAE	1		Southeast & east middle pond edge
GAUBIE	4	<i>Gaura biennis</i>	Biennial gaura	B-Forb	4	FACU-	ONAGRACEAE	1		Gateway north of west wet area section 12
GERCAR	5	<i>Geranium carolinianum</i>	Cranesbill	A-Forb	5	UPL	GERANIACEAE	1		

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GERMAC	7	<i>Geranium maculatum</i>	Wild geranium	P-Forb	3	FACU	GERANIACEAE	1		
GEUCAN	2	<i>Geum canadense</i>	White avens	P-Forb	0	FAC	ROSACEAE	1		
GLETRI	2	<i>Gleditsia triacanthos</i>	Honey locust	Tree	0	FAC	FABACEAE	1		
GLYSEP	7	<i>Glyceria septentrionalis</i>	Eastern manna grass	P-Gram	-5	OBL	POACEAE	1		
GLYSTR	6	<i>Glyceria striata</i>	Fowl manna grass	P-Gram	-5	OBL	POACEAE	1		Along seep at the south end of the dammed pond
GNAOBT	3	<i>Gnaphalium obtusifolium</i>	Everlasting	B-Forb	5	UPL	ASTERACEAE	1		
GRANEG	6	<i>Gratiola neglecta</i>	Hedge hyssop	A-Forb	-5	OBL	SCROPHULARIACEAE	1		
GRAVIR	**	<i>GRATIOLA VIRGINIANA</i>	Round-fruited hedge hyssop	A-Forb	-5	OBL	SCROPHULARIACEAE		1	
GYMDIO	6	<i>Gymnocladus dioica</i>	Kentucky coffee tree	Tree	5	UPL	FABACEAE	1		
HACVIR	2	<i>Hackelia virginiana</i>	Stickseed	P-Forb	1	FAC-	BORAGINACEAE	1		Common throughout
HEDHIS	2	<i>Hedeoma hispidum</i>	Rough pennyroyal	A-Forb	5	UPL	LAMIACEAE	1		
HELAUT	5	<i>Helenium autumnale</i>	Sneezeweed	P-Forb	-4	FACW+	ASTERACEAE	1		
HELBIC	7	<i>Helianthemum bicknellii</i>	Rockrose	P-Forb	5	UPL	CISTACEAE	1		
HELCAN	7	<i>Helianthemum canadense</i>	Common rockrose	P-Forb	5	UPL	CISTACEAE	1		
HELOCC	9	<i>Helianthus occidentalis</i>	Western sunflower	P-Forb	4	FACU-	ASTERACEAE	1		N.E. corner-Common in Pal. Plateau-infreq rest of eastern half.
HELTUB	2	<i>Helianthus tuberosus</i>	Jerusalem artichoke	P-Forb	0	FAC	ASTERACEAE	1		
HELHEL	4	<i>Heliopsis helianthoides</i>	Ox-eye	P-Forb	5	UPL	ASTERACEAE	1		One plant SW edge of north wet area section 13
HEURIC	8	<i>Heuchera richardsonii</i>	Alumroot	P-Forb	1	FAC-	SAXIFRAGACEAE	1		
HIECAN	5	<i>Hieracium canadense</i>	Hawkweed	P-Forb	5	UPL	ASTERACEAE	1		South bank of south pond-rare
HIESCA	6	<i>Hieracium scabrum</i>	Rough hawkweed	P-Forb	5	UPL	ASTERACEAE	1		South bank of north pond-rare to infrequent Johnson County
HORJUB	2	<i>Hordeum jubatum</i>	Squirrel-tail barley	P-Gram	-1	FAC+	POACEAE	1		
HORPUS	*	<i>HORDEUM PUSILLUM</i>	Little barley	A-Gram	0	FAC	POACEAE		1	
HOUPUS	2	<i>Houstonia pusilla</i>	Bluets	A-Forb	4	FACU-	RUBIACEAE	1		
HYPFRA	7	<i>Hypericum fraseri</i>	Marsh St. John's wort	P-Forb	-5	OBL	HYPERICACEAE	1		Probable county record. South pond, fen mat, Uncommon.
HYPMAJ	7	<i>Hypericum majus</i>	Sand St. John's wort	P-Forb	-3	FACW	HYPERICACEAE	1		
HYPMUT	7	<i>Hypericum mutilum</i>	Dwarf St. John's wort	P-Forb	-3	FACW	HYPERICACEAE	1		SW edge below dammed pond section 12
HYPPUN	5	<i>Hypericum punctatum</i>	Spotted St. John's wort	P-Forb	-1	FAC+	HYPERICACEAE	1		One plant west fence line sect 12
HYPHIR	7	<i>Hypoxis hirsuta</i>	Yellow stargrass	P-Forb	0	FAC	LILIACEAE	1		South and east edge of middle pond.
IPOHED	*	<i>IPOMOEA HEDERACEA</i>	Ivy-leaved morning glory	A-Forb	0	FAC	CONVOLVULACEAE		1	20 yards north of west wetland section 12
IRISHR	6	<i>Iris shrevei</i>	Blue flag	P-Forb	-5	OBL	IRIDACEAE	1		
JUGNIG	4	<i>Juglans nigra</i>	Black walnut	Tree	3	FACU	JUGLANDACEAE	1		
JUNTEN	2	<i>Juncus tenuis</i>	Path rush	P-Gram	0	FAC	JUNCACEAE	1		
JUNVIR	1	<i>Juniperus virginiana</i>	Red cedar	Tree	3	FACU	CUPRESSACEAE	1		
KOEMAC	8	<i>Koeleria macrantha</i>	June grass	P-Gram	5	UPL	POACEAE	1		
KRIBIF	7	<i>Krigia biflora</i>	False dandelion	P-Forb	3	FACU	ASTERACEAE	1		
LACBIE	4	<i>Lactuca biennis</i>	Tall blue lettuce	B-Forb	0	FAC	ASTERACEAE	1		
LACCAN	2	<i>Lactuca canadensis</i>	Wild lettuce	B-Forb	2	FACU+	ASTERACEAE	1		
LACFLO	6	<i>Lactuca floridana</i>	Blue lettuce	B-Forb	1	FAC-	ASTERACEAE	1		Edge of woods southeast dammed pond section 12
LACSER	*	<i>LACTUCA SERRIOLA</i>	Prickly lettuce	B-Forb	0	FAC	ASTERACEAE		1	
LAPCAN	3	<i>Laportea canadensis</i>	Wood nettle	P-Forb	-3	FACW	URTICACEAE	1		
LATPAL	8	<i>Lathyrus palustris</i>	Marsh vetchling	P-Forb	-3	FACW	FABACEAE	1		
LEEORY	6	<i>Leersia oryzoides</i>	Rice cut-grass	P-Gram	-5	OBL	POACEAE	1		
LEEVIR	5	<i>Leersia virginica</i>	Whitegrass	P-Gram	-3	FACW	POACEAE	1		
LEMMIR	2	<i>Lemna minor</i>	Duckweed	A-Forb	-5	OBL	LEMNACEAE	1		
LEOCAR	*	<i>LEONURUS CARDIACA</i>	Motherwort	P-Forb	5	UPL	LAMIACEAE		1	
LEPVIR	2	<i>Lepidium virginicum</i>	Poor-man's pepper	A-Forb	4	FACU-	BRASSICACEAE	1		
LESCAP	4	<i>Lespedeza capitata</i>	Round-headed bush clover	P-Forb	3	FACU	FABACEAE	1		Top of ridge E. of the Fen Pond
LEUVUL	*	<i>LEUCANTHEMUM VULGARE</i>	Ox-eye daisy	P-Forb	5	UPL	ASTERACEAE		1	
LINCAN	6	<i>Linaria canadensis</i>	Toadflax	A-Forb	5	UPL	SCROPHULARIACEAE	1		
LITCAR	8	<i>Lithospermum carolinense</i>	Hairy puccoon	P-Forb	5	UPL	BORAGINACEAE	1		
LITINC	6	<i>Lithospermum incisum</i>	Fringed puccoon	P-Forb	5	UPL	BORAGINACEAE	1		

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
LOBINF	4	<i>Lobelia inflata</i>	Indian tobacco	A-Forb	4	FACU-	CAMPANULACEAE	1		
LOBSPI	6	<i>Lobelia spicata</i>	Spiked lobelia	P-Forb	0	FAC	CAMPANULACEAE	1		
LONMAA	*	<i>LONICERA MAACKII</i>	Amur honeysuckle	Shrub	0	FAC	CAPRIFOLIACEAE		1	
LOTCOR	*	<i>LOTUS CORNICULATUS</i>	Bird's-foot trefoil	P-Forb	1	FAC-	FABACEAE		1	Occasional section 12
LUDALT	4	<i>Ludwigia alternifolia</i>	Seedbox	P-Forb	-5	OBL	ONAGRACEAE	1		
LUDPOL	7	<i>Ludwigia polycarpa</i>	False loosestrife	P-Forb	-5	OBL	ONAGRACEAE	1		
LYCAME	5	<i>Lycopus americanus</i>	Water horehound	P-Forb	-5	OBL	LAMIACEAE	1		
LYCUNI	7	<i>Lycopus uniflorus</i>	Northern bugleweed	P-Forb	-5	OBL	LAMIACEAE	1		
LYCVIR	7	<i>Lycopus virginicus</i>	Bugle weed	P-Forb	-5	OBL	LAMIACEAE	1		Infrequent to rare
LYSHYB	6	<i>Lysimachia hybrida</i>	Loosestrife	P-Forb	-5	OBL	PRIMULACEAE	1		SE of north wet area section 13
LYSTHY	8	<i>Lysimachia thrysiflora</i>	Tufted loosestrife	P-Forb	-5	OBL	PRIMULACEAE	1		Center of south pond. Large population. Uncommon
MAIRAC	4	<i>Maianthemum racemosum</i>	False Solomon's seal	P-Forb	3	FACU	LILIACEAE	1		
MAISTE	5	<i>Maianthemum stellatum</i>	Starry False Solomon's-seal	P-Forb	0	FAC	LILIACEAE	1		
MALSYL	*	<i>MALUS SYLVESTRIS</i>	Apple	Tree			ROSACEAE		1	
MEDSAT	*	<i>MEDICAGO SATIVA</i>	Alfalfa	P-Forb	5	UPL	FABACEAE		1	
MENCAN	5	<i>Menispermum canadense</i>	Moonseed	W-Vine	-1	FAC+	MENISPERMACEAE	1		
MIARNYC	2	<i>Mirabilis nyctaginea</i>	Wild four-o'clock	P-Forb	5	UPL	NYCTAGINACEAE	1		
MOLVER	*	<i>MOLLUGO VERTICILLATA</i>	Carpetweed	A-Forb	0	FAC	AIZOACEAE		1	
MONFIS	3	<i>Monarda fistulosa</i>	Wild bergamot, horsemint	P-Forb	3	FACU	LAMIACEAE	1		
MONPUN	7	<i>Monarda punctata villicaulis</i>	Spotted horsemint	P-Forb	5	UPL	LAMIACEAE	1		
MORALB	*	<i>MORUS ALBA</i>	Chinese mulberry, white mulberry	Tree	0	FAC	MORACEAE		1	
MUHSCH	2	<i>Muhlenbergia schreberi</i>	Nimblewill	P-Gram	0	FAC	POACEAE	1		
MYOVER	5	<i>Myosotis verna</i>	Forget-me-not	A-Forb	1	FAC-	BORAGINACEAE	1		
MYOAQU	*	<i>MYOSOTON AQUATICUM</i>	Giant chickweed	P-Forb	-1	FAC+	CARYOPHYLLACEAE		1	
MYOMIN	5	<i>Myosurus minimus</i>	Mousetail	A-Forb	-3	FACW	RANUNCULACEAE	1		Probable county record.
NEPCAT	*	<i>NEPETA CATARIA</i>	Catnip	P-Forb	1	FAC-	LAMIACEAE		1	
OENBIE	2	<i>Oenothera biennis centralis</i>	Common evening primrose	B-Forb	3	FACU	ONAGRACEAE	1		
OENLAC	5	<i>Oenothera laciniata</i>	Ragged evening primrose	A-Forb	3	FACU	ONAGRACEAE	1		
OENRHO	8	<i>Oenothera rhombipetala</i>	Sand primrose	B-Forb	3	FACU	ONAGRACEAE	1		
ONOSEN	6	<i>Onoclea sensibilis</i>	Sensitive fern	P-Pter	-3	FACW	ASPLENIACEAE	1		
OSMLON	4	<i>Osmorhiza longistylis</i>	Anise root	P-Forb	4	FACU-	APIACEAE	1		
OXASTR	1	<i>Oxalis stricta</i>	Yellow wood sorrel, lady's sorrel	P-Forb	3	FACU	OXALIDACEAE	1		
PACPLA	3	<i>Packera plattensis</i>	Prairie ragwort	P-Forb	3	FACU	ASTERACEAE	1		
PANCAP	1	<i>Panicum capillare</i>	Old witchgrass	A-Gram	0	FAC	POACEAE	1		
PANDII	1	<i>Panicum dichotomiflorum</i>	Knee grass, spreading witchgrass	A-Gram	-2	FACW-	POACEAE	1		
PANVIR	7	<i>Panicum virgatum</i>	Switchgrass	A-Gram	-1	FAC+	POACEAE	1		One clump, ridge top east of middle pond
PARCAN	5	<i>Paronychia canadensis</i>	Tall forked chickweed	A-Forb	5	UPL	CARYOPHYLLACEAE	1		Uncommon
PARQUI	4	<i>Parthenocissus quinquefolia</i>	Virginia creeper	W-Vine	1	FAC-	VITACEAE	1		
PARVIT	3	<i>Parthenocissus vitacea</i>	Woodbine	W-Vine	3	FACU	VITACEAE	1		
PASSET	5	<i>Paspalum setaceum</i>	Bead grass	P-Gram	0	FAC	POACEAE	1		Uncommon
PENDIG	5	<i>Penstemon digitalis</i>	Foxglove penstemon	P-Forb	1	FAC-	SCROPHULARIACEAE	1		By power poles, west side of section 12
PENSED	3	<i>Penthorum sedoides</i>	Ditch stonecrop	P-Forb	-5	OBL	SAXIFRAGACEAE	1		
PERFRU	*	<i>PERILLA FRUTESCENS</i>	Beefsteak plant	A-Forb	0	FAC	LAMIACEAE		1	
PERAMP	3	<i>Persicaria amphibia</i>	Water smartweed, Longroot smartweed	P-Forb	-5	OBL	POLYGONACEAE	1		
PERHYD	3	<i>Persicaria hydropiper</i>	Water pepper	A-Forb	-5	OBL	POLYGONACEAE	1		South side of fen mat section 13
PERLAP	0	<i>Persicaria lapathifolia</i>	Pale smartweed	A-Forb	-3	FACW	POLYGONACEAE	1		
PERPEN	0	<i>Persicaria pennsylvanica</i>	Pinkweed	A-Forb	-3	FACW	POLYGONACEAE	1		
PERPUN	4	<i>Persicaria punctata</i>	Water smartweed	A-Forb	-5	OBL	POLYGONACEAE	1		
PERSAG	4	<i>Persicaria sagittata</i>	Tearthumb	A-Forb	-5	OBL	POLYGONACEAE	1		
PERVIG	5	<i>Persicaria virginiana</i>	Jumpseed	P-Forb	0	FAC	POLYGONACEAE	1		Southwest sect 13 north of oak trees
PERLOG	*	<i>PERSICARIA LONGISETA</i>	Bristly Lady's-Thumb, Oriental Lady's-Thumb	A-Forb	0	FAC	POLYGONACEAE		1	Top of ridge east of fen pond section 13

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PERMAC	*	<i>PAERSICARIA MACULOSA</i>	Spotted Lady's-Thumb	P-Gram	-3	FACW	POLYGONACEAE		1	Top of ridge east of fen pond section 13
PHAARU	**	<i>PHALARIS ARUNDINACEA</i>	Reed canary grass	P-Gram	-4	FACW+	POACEAE		1	
PHLPRA	*	<i>PHLEUM PRATENSE</i>	Timothy	P-Gram	3	FACU	POACEAE		1	
PHLBIF	7	<i>Phlox bifida</i>	Cleft phlox	P-Forb	5	UPL	POLEMONIACEAE	1		Special Concern, Abundant
PHLDIV	6	<i>Phlox divaricata</i>	Sweet William, blue phlox	P-Forb	3	FACU	POLEMONIACEAE	1		
PHRLEP	4	<i>Phryma leptostachya</i>	Lopseed	P-Forb	5	UPL	PHRYMACEAE	1		
PHYLAN	4	<i>Phyla lanceolata</i>	Fogfruit	P-Forb	-5	OBL	VERBENACEAE	1		Northwest edge of south pond.
PHYHET	3	<i>Physalis heterophylla</i>	Ground cherry	P-Forb	5	UPL	SOLANACEAE	1		
PHYAME	2	<i>Phytolacca americana</i>	Pokeweed	P-Forb	1	FAC-	PHYTOLACCACEAE	1		
PILPUM	4	<i>Pilea pumila</i>	Clearweed	A-Forb	-3	FACW	URTICACEAE	1		
PLALAN	*	<i>PLANTAGO LANCEOLATA</i>	Buckhorn plantain	P-Forb	0	FAC	PLANTAGINACEAE		1	
PLAMAJ	*	<i>PLANTAGO MAJOR</i>	Common plantain	P-Forb	-1	FAC+	PLANTAGINACEAE		1	
PLAPAT	3	<i>Plantago patagonica</i>	Wooly plantain	A-Forb	5	UPL	PLANTAGINACEAE	1		
POACOM	*	<i>POA COMPRESSA</i>	Canadian bluegrass	P-Gram	2	FACU+	POACEAE		1	
POAPRA	*	<i>POA PRATENSIS</i>	Kentucky bluegrass	P-Gram	1	FAC-	POACEAE		1	
POASYL	7	<i>Poa sylvestris</i>	Woodland bluegrass	P-Gram	0	FAC	POACEAE	1		
PODPEL	5	<i>Podophyllum peltatum</i>	Mayapple	P-Forb	3	FACU	BERBERIDACEAE	1		Center of timber north edge section 13
POLDOT	3	<i>Polanisia dodecandra trachysperma</i>	Clammy weed	A-Forb	5	UPL	CAPPARIDACEAE	1		
POLSAN	7	<i>Polygala sanguinea</i>	Field milkwort	A-Forb	3	FACU	POLYGALACEAE	1		
POLBIF	5	<i>Polygonatum biflorum</i>	Solomon's seal	P-Forb	3	FACU	LILIACEAE	1		
POLACH	1	<i>Polygonum achoreum</i>	Beak-seeded knotweed	A-Forb	0	FAC	POLYGONACEAE	1		
POLCON	*	<i>POLYGONUM CONVULVULUS</i>	Black bindweed	A-Forb	1	FAC-	POLYGONACEAE		1	
PONCOR	8	<i>Pontederia cordata</i>	Pickereel-weed	P-Forb	-5	OBL	PONTEDERIACEAE	1		Uncommon
POPDEL	2	<i>Populus deltoides</i>	Cottonwood	Tree	-1	FAC+	SALICACEAE	1		
POROLE	*	<i>PORTULACCA OLERACEA</i>	Common purslane	A-Forb	1	FAC-	PORTULACACEAE		1	
POTDIV	10	<i>Potamogeton diversifolius</i>	Water-thread pondweed	P-Forb	-5	OBL	POTAMOGETONACEAE	1		Probable county record. North pond-rare sw, se, & ne.
POTARU	9	<i>Potentilla arguta</i>	Prairie cinquefoil	P-Forb	4	FACU-	ROSACEAE	1		
POTNOR	2	<i>Potentilla norvegica</i>	Norwegian cinquefoil	A-Forb	0	FAC	ROSACEAE	1		
POTREC	*	<i>POTENTILLA RECTA</i>	Sulphur cinquefoil	P-Forb	5	UPL	ROSACEAE		1	
POTRIV	6	<i>Potentilla rivalis</i>	Brook cinquefoil	P-Forb	-4	FACW+	ROSACEAE	1		South of the north most wet area section 13
POTSIM	4	<i>Potentilla simplex</i>	Common cinquefoil	P-Forb	4	FACU-	ROSACEAE	1		
PRERAC	8	<i>Prenanthes racemosa</i>	Glaucous white lettuce	P-Forb	-3	FACW	ASTERACEAE	1		
PRUVUL	3	<i>Prunella vulgaris lanceolata</i>	Self heal	P-Forb	0	FAC	LAMIACEAE	1		
PRUAMA	3	<i>Prunus americana</i>	Wild plum	Tree	5	UPL	ROSACEAE	1		One tree in fence east of entrance
PRUSER	3	<i>Prunus serotina</i>	Wild black cherry	Tree	3	FACU	ROSACEAE	1		
PRUVIR	4	<i>Prunus virginiana</i>	Choke cherry	Shrub	1	FAC-	ROSACEAE	1		
PYCPIL	5	<i>Pycnanthemum pilosum</i>	Hairy mountain mint	P-Forb	5	UPL	LAMIACEAE	1		
PYCTEN	5	<i>Pycnanthemum tenuifolium</i>	Slender mountain mint	P-Forb	0	FAC	LAMIACEAE	1		
QUEALB	6	<i>Quercus alba</i>	White oak	Tree	3	FACU	FAGACEAE	1		Predominant Quercus species
QUEVEL	5	<i>Quercus velutina</i>	Black oak	Tree	5	UPL	FAGACEAE	1		
RANABO	1	<i>Ranunculus abortivus</i>	Small-flowered crowfoot	A-Forb	-4	FACW+	RANUNCULACEAE	1		
RANFAS	7	<i>Ranunculus fascicularis</i>	Early buttercup	P-Forb	3	FACU	RANUNCULACEAE	1		
RANHIS	6	<i>Ranunculus hispidus</i>	Swamp buttercup	P-Forb	-3	FACW	RANUNCULACEAE	1		
RANSCE	4	<i>Ranunculus sceleratus</i>	Cursed crowfoot	A-Forb	-5	OBL	RANUNCULACEAE	1		
RATPIN	4	<i>Ratibida pinnata</i>	Gray-headed coneflower	P-Forb	5	UPL	ASTERACEAE	1		
RHUGLA	3	<i>Rhus glabra</i>	Smooth sumac	Shrub	5	UPL	ANACARDIACEAE	1		Far northwest corner section 12
RIBMIS	3	<i>Ribes missouriense</i>	Wild gooseberry	Shrub	5	UPL	SAXIFRAGACEAE	1		
ROBPSE	*	<i>ROBINIA PSEUDOACACIA</i>	Black locust	Tree	4	FACU-	FABACEAE		1	
RORPAL	6	<i>Rorippa palustris</i>	Marsh cress	A-Forb	-5	OBL	BRASSICACEAE	1		North Pond
ROSBLA	5	<i>Rosa blanda</i>	Meadow rose	Shrub	3	FACU	ROSACEAE	1		Northeast side of the west most wet area Section 12
ROSCAR	4	<i>Rosa carolina</i>	Pasture rose	Shrub	4	FACU-	ROSACEAE	1		

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ROSMUL	*	<i>ROSA MULTIFLORA</i>	Multiflora rose	Shrub	3	FACU	ROSACEAE		1	
RUBALL	2	<i>Rubus allegheniensis</i>	Blackberry	Shrub	2	FACU+	ROSACEAE	1		
RUBFLA	5	<i>Rubus flagellaris</i>	Dewberry	Shrub	4	FACU-	ROSACEAE	1		
RUBMER	5	<i>Rubus meraculus</i>	Dryslope dewberry	Shrub			ROSACEAE	1		
RUBOCC	1	<i>Rubus occidentalis</i>	Black raspberry	Shrub	5	UPL	ROSACEAE	1		
RUBPLI	5	<i>Rubus picatifolius</i>	Plaitleaf dewberry	Shrub			ROSACEAE	1		
RUDHIR	3	<i>Rudbeckia hirta</i>	Black-eyed Susan	P-Forb	3	FACU	ASTERACEAE	1		
RUDSUB	6	<i>Rudbeckia subtomentosa</i>	Fragrant coneflower	P-Forb	-3	FACW	ASTERACEAE	1		
RUEHUM	5	<i>Ruellia humilis</i>	Wild petunia	P-Forb	4	FACU-	ACANTHACEAE	1		
RUMACE	*	<i>RUMEX ACETOSELLA</i>	Red sorrel	P-Forb	0	FAC	POLYGONACEAE		1	
RUMALT	2	<i>Rumex altissimus</i>	Pale dock	P-Forb	4	FACU-	POLYGONACEAE	1		
RUMCRI	*	<i>RUMEX CRISPUS</i>	Curly dock	P-Forb	-1	FAC+	POLYGONACEAE		1	
SAGLAT	5	<i>Sagittaria latifolia</i>	Common arrowhead	P-Forb	-5	OBL	ALISMATACEAE	1		
SAGRIG	7	<i>Sagittaria rigida</i>	Stiff arrowhead	P-Forb	-5	OBL	ALISMATACEAE	1		North Pond
SALNIG	3	<i>Salix nigra</i>	Black willow	Tree	-5	OBL	SALICACEAE	1		
SAMCAN	3	<i>Sambucus canadensis</i>	Elderberry, common elder	Shrub	4	FACU-	CAPRIFOLIACEAE	1		
SANMAR	6	<i>Sanicula marilandica</i>	Black snakeroot	P-Forb	5	UPL	APIACEAE	1		
SANODO	5	<i>Sanicula odorata</i>	Common snakeroot	P-Forb	0	FAC	APIACEAE	1		
SAPOFF	*	<i>SAPONARIA OFFICINALIS</i>	Bouncing Bet, soapwort	P-Forb	3	FACU	CARYOPHYLLACEAE		1	
SCHSCO	5	<i>Schizachyrium scoparium</i>	Little bluestem	P-Gram	3	FACU	POACEAE	1		
SCHFLU	5	<i>Schoenoplectus fluviatilis</i>	River bulrush	P-Gram	-5	OBL	CYPERACEAE	1		
SCHTAB	3	<i>Schoenoplectus tabernaemontani</i>	Soft-stemmed bulrush	P-Gram	-5	OBL	CYPERACEAE	1		
SCICYP	6	<i>Scirpus cyperinus</i>	Woolly bulrush	P-Gram	-5	OBL	CYPERACEAE	1		
SCRLAN	5	<i>Scrophularia lanceolata</i>	Early figwort	P-Forb	2	FACU+	SCROPHULARIACEAE	1		
SCULAT	6	<i>Scutellaria lateriflora</i>	Mad-dog skullcap	P-Forb	-5	OBL	LAMIACEAE	1		
SELRUP	7	<i>Selaginella rupestris</i>	Rock spikemoss	P-Pter	5	UPL	SELAGINELLACEAE	1		Special Concern
SENMAR	5	<i>Senna marilandica</i>	Wild senna, Maryland senna	P-Forb	-3	FACW	FABACEAE	1		
SETFAB	*	<i>SETARIA FABERII</i>	Giant foxtail	A-Gram	2	FACU+	POACEAE		1	
SETGLA	*	<i>SETARIA GLAUCA</i>	Yellow foxtail	A-Gram	0	FAC	POACEAE		1	
SICANG	2	<i>Sicyos angulatus</i>	Bur-cucumber	H-Vine	-2	FACW-	CUCURBITACEAE	1		
SILANT	1	<i>Silene antirrhina</i>	Sleepy catchfly	A-Forb	5	UPL	CARYOPHYLLACEAE	1		
SILNOC	*	<i>SILENE NOCTIFLORA</i>	Night-flowering catchfly	A-Forb	5	UPL	CARYOPHYLLACEAE		1	
SILLAT	*	<i>SILENE LATIFOLIA</i>	Bladder Campion	P-Forb	5	UPL	CARYOPHYLLACEAE		1	
SILSTE	4	<i>Silene stellata</i>	Starry campion	P-Forb	5	UPL	CARYOPHYLLACEAE	1		
SILPER	1	<i>Silphium perfoliatum</i>	Cup plant	P-Forb	-2	FACW-	ASTERACEAE	1		1 Plant NE of N wet area section 13 in firebreak (Added 2018)
SISOFF	*	<i>SISYMBRIUM OFFICINALE</i>	Hedge mustard	A-Forb	5	UPL	BRASSICACEAE		1	
SISCAM	4	<i>Sisyrinchium campestre</i>	Prairie blue-eyed grass	P-Forb	5	UPL	IRIDACEAE	1		
SMIHER	5	<i>Smilax herbacea</i>	Carrion flower	H-Vine	0	FAC	LILIACEAE	1		
SMIHIS	4	<i>Smilax hispida</i>	Greenbrier	W-Vine	0	FAC	LILIACEAE	1		
SOLCAR	0	<i>Solanum carolinense</i>	Horse nettle	P-Forb	4	FACU-	SOLANACEAE	1		
SOLROS	*	<i>SOLANUM ROSTRATUM</i>	Buffalo bur	A-Forb	5	UPL	SOLANACEAE		1	
SOLPYC	0	<i>Solanum pycnanthum</i>	Black nightshade	A-Forb	-3	FACU	SOLANACEAE	1		
SOLALT	0	<i>Solidago altissima</i>	Tall goldenrod	P-Forb	3	FACU	ASTERACEAE	1		
SOLCAN	0	<i>Solidago canadensis</i>	Canada goldenrod	P-Forb	3	FACU	ASTERACEAE	1		
SOLGIG	3	<i>Solidago gigantea</i>	Smooth goldenrod	P-Forb	-3	FACW	ASTERACEAE	1		
SORNUT	4	<i>Sorghastrum nutans</i>	Indian grass	P-Gram	2	FACU+	POACEAE	1		North facing slope south bank middle pond sect 13
SPAAME	10	<i>Sparganium americanum</i>	American bur reed	P-Forb	-5	OBL	SPARGANIACEAE	1		
SPAEUR	6	<i>Sparganium eurycarpum</i>	Common bur reed	P-Forb	-5	OBL	SPARGANIACEAE	1		
SPAPEC	4	<i>Spartina pectinata</i>	Slough grass, cord grass	P-Gram	-4	FACW+	POACEAE	1		
SPICER	4	<i>Spiranthes cernua</i>	Nodding ladies'-tresses	P-Forb	-2	FACW-	ORCHIDACEAE	1		Special Concern
SPOCRY	3	<i>Sporobolus cryptandrus</i>	Sand dropseed	P-Gram	4	FACU-	POACEAE	1		

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
SPOHET	9	<i>Sporobolus heterolepis</i>	Prairie dropseed	P-Gram	4	FACU-	POACEAE	1		
STAPAL	5	<i>Stachys palustris</i>	Woundwort	P-Forb	-5	OBL	LAMIACEAE	1		
STEMED	*	<i>STELLARIA MEDIA</i>	Common chickweed	A-Forb	3	FACU	CARYOPHYLLACEAE		1	
STISPA	6	<i>Stipa spartea</i>	Porcupine grass	P-Gram	5	UPL	POACEAE	1		
STRHEL	5	<i>Strophostyles helvula</i>	Trailing wild bean	A-Forb	-1	FAC+	FABACEAE	1		
STRLEI	7	<i>Strophostyles leiosperma</i>	Small wild bean	A-Forb	5	UPL	FABACEAE	1		
SYMLEI	3	<i>Symphotrichum ericoides</i>	Heath aster, frost weed	P-Forb	3	FACU	ASTERACEAE	1		
SYMERI	4	<i>Symphotrichum lateriflorum</i>	Side-flowered aster	P-Forb	-3	FACW	ASTERACEAE	1		
SYMNOV	3	<i>Symphotrichum novae-angliae</i>	New England aster	P-Forb	-3	FACW	ASTERACEAE	1		
SYMONT	3	<i>Symphotrichum ontarionis</i>	Ontario aster	P-Forb	0	FAC	ASTERACEAE	1		
SYMOOL	7	<i>Symphotrichum oolentangiense</i>	Sky-blue aster	P-Forb	5	UPL	ASTERACEAE	1		
SYMPAR	4	<i>Symphotrichum parviceps</i>	Small-headed aster	P-Forb	5	UPL	ASTERACEAE	1		
SYMPIL	0	<i>Symphotrichum pilosum</i>	Frost Aster, Hairy Aster	P-Forb	3	FACU	ASTERACEAE	1		
SYMURO	6	<i>Symphotrichum urophyllum</i>	Arrow-leaved aster	P-Forb	5	UPL	ASTERACEAE	1		
TAROFF	*	<i>TARAXACUM OFFICINALE</i>	Common dandelion	P-Forb	3	FACU	ASTERACEAE		1	
TEUCAN	4	<i>Teucrium canadense</i>	American germander	P-Forb	-2	FACW-	LAMIACEAE	1		
THEPAL	7	<i>Thelypteris palustris pubescens</i>	Marsh fern	P-Pter	-5	OBL	ASPLENIACEAE	1		
TOXRAN	1	<i>Toxicodendron radicans negundo</i>	Poison ivy	W-Vine	-1	FAC+	ANACARDIACEAE	1		
TOXRYD	1	<i>Toxicodendron rydbergii</i>	Rydberg's poison ivy	Shrub	0	FAC	ANACARDIACEAE	1		Common throughout
TRAOHI	4	<i>Tradescantia ohioensis</i>	Common spiderwort	P-Forb	2	FACU+	COMMELINACEAE	1		
TRAPRA	*	<i>TRAGOPOGON PRATENSIS</i>	Goat's-beard	B-Forb	5	UPL	ASTERACEAE		1	
TRIFLA	2	<i>Tridens flavus</i>	Purple top	P-Gram	5	UPL	POACEAE	1		
TRIPRA	*	<i>TRIFOLIUM PRATENSE</i>	Red clover	P-Forb	2	FACU+	FABACEAE		1	
TRIREP	*	<i>TRIFOLIUM REPENS</i>	White clover	P-Forb	2	FACU+	FABACEAE		1	
TRIEPA	3	<i>Triodanis perfoliata</i>	Venus' looking-glass	A-Forb	0	FAC	CAMPANULACEAE	1		
TYPLAT	3	<i>Typha latifolia</i>	Common cattail	P-Forb	-5	OBL	TYPHACEAE	1		North edge of north wet area section 13
ULMAME	3	<i>Ulmus americana</i>	American elm	Tree	-2	FACW-	ULMACEAE	1		
ULMPUM	*	<i>ULMUS PUMILA</i>	Siberian elm	Tree	5	UPL	ULMACEAE		1	
ULMRUB	2	<i>Ulmus rubra</i>	Red elm, slippery elm	Tree	0	FAC	ULMACEAE	1		
URTDIO	2	<i>Urtica dioica</i>	Stinging nettle	P-Forb	-1	FAC+	URTICACEAE	1		
UTRMAC	4	<i>Utricularia macrorhiza</i>	Common bladderwort	P-Forb	-5	OBL	LENTIBULARIACEAE	1		Center of south pond.
UVUSES	9	<i>Uvularia sessilifolia</i>	Sessile-leaved bellwort	P-Forb	1	FAC-	LILIACEAE	1		
VERTHA	*	<i>VERBASCUM THAPSUS</i>	Common mullein	B-Forb	5	UPL	SCROPHULARIACEAE		1	
VERHAS	4	<i>Verbena hastata</i>	Blue vervain	P-Forb	-4	FACW+	VERBENACEAE	1		
VERSIM	5	<i>Verbena simplex</i>	Narrow-leaved vervain	P-Forb	5	UPL	VERBENACEAE	1		
VERSTR	2	<i>Verbena stricta</i>	Hoary vervain	P-Forb	5	UPL	VERBENACEAE	1		
VERURT	2	<i>Verbena urticifolia</i>	White vervain	P-Forb	-1	FAC+	VERBENACEAE	1		
VERFAS	4	<i>Vernonia fasciculata</i>	Ironweed	P-Forb	-3	FACW	ASTERACEAE	1		
VERARV	*	<i>VERONICA ARVENSIS</i>	Corn speedwell	A-Forb	5	UPL	SCROPHULARIACEAE		1	
VERPEG	1	<i>Veronica peregrina</i>	Purslane speedwell	A-Forb	-4	FACW+	SCROPHULARIACEAE	1		
VERVIM	6	<i>Veronicastrum virginicum</i>	Culver's root	P-Forb	0	FAC	SCROPHULARIACEAE	1		
VIOLAL	7	<i>Viola lanceolata</i>	Lance-leaved violet	P-Forb	-5	OBL	VIOLACEAE	1		Special Concern
VIONEP	8	<i>Viola nephrophylla</i>	Bog violet	P-Forb	-5	OBL	VIOLACEAE	1		
VIOPET	10	<i>Viola pedata</i>	Bird's-foot violet	P-Forb	5	UPL	VIOLACEAE	1		Large population between ponds.
VIOPUP	5	<i>Viola pubescens</i>	Downy yellow violet	P-Forb	4	FACU-	VIOLACEAE	1		
VIOSAG	7	<i>Viola sagittata</i>	Arrow-leaved violet	P-Forb	-2	FACW-	VIOLACEAE	1		

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
VITRIP	3	<i>Vitis riparia</i>	Riverbank grape	W-Vine	-2	FACW-	VITACEAE	1		
WOLCOL	5	<i>Wolffia columbiana</i>	Water meal	A-Forb	-5	OBL	LEMNACEAE	1		
ZANAME	4	<i>Zanthoxylum americanum</i>	Prickly ash	Shrub	5	UPL	RUTACEAE	1		

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Total Wetness 270
Native Wetness 110
Adventive Wetness 160

334 66

BRYOPHYTES										
<i>Atrichum altecristatum</i>				Moss				1		
<i>Aulacnium palustre</i>				Ribbed bog moss				1		County record. Center of south pond.
<i>Brachythecium oxycladon</i>				Moss				1		
<i>Campylium cf. radicale</i>				Moss				1		
<i>Ceratodon purpureus</i>				Moss				1		
<i>Desmatodon obtusifolius</i>				Moss				1		
<i>Ditrichum pallidum</i>				Moss				1		
<i>Funaria flavicans</i>				Moss				1		County record. Also in But & Del Co.
<i>Funaria hygrometrica</i>				Moss				1		
<i>Helodium paludosum</i>				Moss				1		
<i>Leptodictyum humile</i>				Moss				1		
<i>Leptodictyum riparium</i>				Moss				1		
<i>Leucobryum glaucum</i>				Moss				1		
<i>Phascum cuspidatum</i>				Moss				1		
<i>Physcomitrium pyriforme</i>				Moss				1		
<i>Pohlia nutans</i>				Copper wire Moss				1		
<i>Plagiomnium cuspidatum</i>				Moss				1		
<i>Platgyrium repens</i>				Moss				1		
<i>Polytrichum commune</i>				Hair-cap Moss				1		
<i>Riccia fluitans</i>				Liverwort				1		Floating on southside of fen mat and in north pond.
<i>Ricciocarpos natans</i>				Liverwort				1		On wet mud shoreline southside of fen mat, floating north pond.
<i>Sphagnum subsecundum</i>				Sphagnum				1		County record. Center of South pond.
<i>Thuidium delicatulum</i>				Moss				1		
<i>Weissia controversa</i>				Moss				1		

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Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
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Floristic Quality Assessment	
Species Richness	
Total Native Flowering Plants	334
Total Bryophytes	24
Total Native Species	358
Total Non Native Species	66
Species Richness (Total # of species)	424
Coefficient of Conservatism	
Total C of C	1477
Mean C of Native Flowering Plants	4.42
W/ Adventives	3.73
Floristic Quality Index	
Native FQI	80.8
W/ Adventives	74.6
Wetness Rating	
Native Wetness Index (Mean W)	0.33
W/ Adventives	0.68
AVG:	Facultative

Wetland Ratings

Upland - Value of 5. Almost never occurring in wetlands.

Facultative Upland - Value of 3. Occasionally occurs in wetlands but usually occurs in uplands.

Facultative - Value of 0. Equally likely to occur in either wetlands or uplands.

Facultative Wetland - Value of -3. Usually occurs in wetlands.

Obligate Wetland - Value of -5. Almost always occurs in wetlands.

Physiognomy Breakdown						
Type	Native	Percentage	Adventive	Percentage	Total	Percentage
Tree	18	5.03%	4	6.06%	22	5.19%
Shrub	17	4.75%	3	4.55%	20	4.72%
W-Vine	7	1.96%	0	0.00%	7	1.65%
H-Vine	5	1.40%	0	0.00%	5	1.18%
A-Forb	61	17.04%	21	31.82%	82	19.34%
B-Forb	10	2.79%	5	7.58%	15	3.54%
P-Forb	150	41.90%	20	30.30%	170	40.09%
A-Gram	8	2.23%	3	4.55%	11	2.59%
P-Gram	49	13.69%	10	15.15%	59	13.92%
Fern	9	2.51%	0	0.00%	9	2.12%
Bryophyte	24	6.70%	0	0.00%	24	5.66%
Total	358	100.00%	66	100.00%	424	100.00%

Physiognomy Descriptions

A-Forb = Annual Forb

A-Gram = Annual Graminoid

B-Forb = Biennial Forb

P-Gram = Perennial Graminoid

P-Forb = Perennial Forb

H-Vine = Herbaceous Vine

W-Vine = Woody Vine