

Phebe Timber

Floristic Quality Assessment Technique
Iowa Database

Acronym	IA CofC	Scientific Name	Common Name	Physiognomy	W	Wet	Family	Native	Adventive	Comments
ACARHO	5	<i>Acalypha rhomboidea</i>	Three-seeded mercury	A-Forb	3	FACU	EUPHORBIACEAE	1		
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		
ALLCAC	4	<i>Allium canadense</i>	Wild onion	P-Forb	3	FACU	LILIACEAE	1		
ARCMIN	*	<i>ARCTIUM MINUS</i>	Common burdock	B-Forb	5	UPL	ASTERACEAE		1	
ASACAN	6	<i>Asarum canadense</i>	Wild ginger	P-Forb	5	UPL	ARISTOLOCHACEAE	1		
BETNIG	6	<i>Betula nigra</i>	River birch	Tree	-3	FACW	BETULACEAE	1		
CAMAME	4	<i>Campanula americana</i>	Tall bellflower	A-Forb	0	FAC	CAMPANULACEAE	1		
CARBUL	8	<i>Cardamine bulbosa</i>	Spring cress	P-Forb	-5	OBL	BRASSICACEAE	1		
CXGRAY	7	<i>Carex grayi</i>	Common bur sedge	P-Gram	-4	FACW+	CYPERACEAE	1		
CARCOR	4	<i>Carya cordiformis</i>	Bitternut hickory	Tree	0	FAC	JUGLANDACEAE	1		
CELOCC	3	<i>Celtis occidentalis</i>	Hackberry	Tree	1	FAC-	ULMACEAE	1		
CEPOCC	6	<i>Cephalanthus occidentalis</i>	Buttonbush	Shrub	-5	OBL	RUBIACEAE	1		
CERNUN	4	<i>Cerastium nutans</i>	Nodding chickweed	A-Forb	2	FACU+	CARYOPHYLLACEAE	1		
CIRDIS	2	<i>Cirsium discolor</i>	Field thistle	B-Forb	5	UPL	ASTERACEAE	1		
CLAVIR	5	<i>Claytonia virginica</i>	Spring beauty	P-Forb	3	FACU	PORTULACACEAE	1		
CONCAN	1	<i>Conyza canadensis</i>	Horseweed, mule tail	A-Forb	1	FAC-	ASTERACEAE	1		
CRAMAR	6	<i>Crataegus margaretta</i>	Margrett's hawthorn	Tree			ROSACEAE	1		
CRAMOL	3	<i>Crataegus mollis</i>	Downy hawthorn	Tree	-2	FACW-	ROSACEAE	1		
GRASUC	5	<i>Crataegus succulenta</i>	Fleshy hawthorn	Tree	5	UPL	ROSACEAE	1		
CRYCAN	2	<i>Cryptotaenia canadensis</i>	Honewort	P-Forb	0	FAC	APIACEAE	1		
ELYRIP	6	<i>Elymus riparius</i>	Riverbank wild rye	P-Gram	-3	FACW	POACEAE	1		
ELYVIR	4	<i>Elymus virginicus</i>	Virginia wild rye	P-Gram	-2	FACW-	POACEAE	1		
ENEBIT	6	<i>Enemion biternatum</i>	False rue anemone	P-Forb	0	FAC	RANUNCULACEAE	1		
ERIANN	1	<i>Erigeron annuus</i>	Annual fleabane	A-Forb	1	FAC-	ASTERACEAE	1		
ERYALB	6	<i>Erythronium albidum</i>	White dogtooth-violet, White trout lily	P-Forb	5	UPL	LILIACEAE	1		
FRANIG	7	<i>Fraxinus nigra</i>	Black ash	Tree	-4	FACW+	OLEACEAE	1		
FRAPEL	2	<i>Fraxinus pennsylvanica</i>	Green ash	Tree	-3	FACW	OLEACEAE	1		
GALAPA	1	<i>Galium aparine</i>	Cleavers	A-Forb	3	FACU	RUBIACEAE	1		
GERMAC	7	<i>Geranium maculatum</i>	Wild geranium	P-Forb	3	FACU	GERANIACEAE	1		
GEULAC	5	<i>Geum laciniatum</i>	Rough avens	P-Forb	-3	FACW	ROSACEAE	1		
GLEHED	*	<i>GLECHOMA HEDERACEA</i>	Creeping Charlie, ground ivy	P-Forb	4	FACU-	LAMIACEAE		1	
GLETRI	2	<i>Gleditsia triacanthos</i>	Honey locust	Tree	0	FAC	FABACEAE	1		
HERLAN	5	<i>Heracleum lanatum</i>	Cow parsnip	P-Forb	-3	FACW	APIACEAE	1		
HYDVIR	4	<i>Hydrophyllum virginianum</i>	Virginia waterleaf	P-Forb	-2	FACW-	HYDROPHYLLACEAE	1		
JUGNIG	4	<i>Juglans nigra</i>	Black walnut	Tree	3	FACU	JUGLANDACEAE	1		
LONMAA	*	<i>LONICERA MAACKII</i>	Amur Honeysuckle	Shrub			CAPRIFOLIACEAE		1	
LONTAT	*	<i>LONICERA TATARICA</i>	Tartarian honeysuckle	Shrub	3	FACU	CAPRIFOLIACEAE		1	
MERVIR	5	<i>Mertensia virginica</i>	Bluebell	P-Forb	-3	FACW	BORAGINACEAE	1		
MORALB	*	<i>MORUS ALBA</i>	Chinese mulberry, white mulberry	Tree	0	FAC	MORACEAE		1	
MORRUB	7	<i>Morus rubra</i>	Red mulberry	Tree	1	FAC-	MORACEAE	1		
MYOQU	*	<i>MYOSOTON AQUATICUM</i>	Giant chickweed	P-Forb	-1	FAC+	CARYOPHYLLACEAE		1	
OSMCLI	3	<i>Osmorhiza claytoni</i>	Sweet cicely	P-Forb	4	FACU-	APIACEAE	1		
OSMLON	4	<i>Osmorhiza longistylis</i>	Anise root	P-Forb	4	FACU-	APIACEAE	1		
PARQUI	4	<i>Parthenocissus quinquefolia</i>	Virginia creeper	W-Vine	1	FAC-	VITACEAE	1		

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PHAARU	*	<i>PHALARIS ARUNDINACEA</i>	Reed canary grass	P-Gram	-4	FACW+	POACEAE		1	
PHLMAC	8	<i>Phlox maculata</i>	Wild sweet William	P-Forb	-5	OBL	POLEMONIACEAE	1		
PHYAME	2	<i>Phytolacca americana</i>	Pokeweed	P-Forb	1	FAC-	PHYTOLACCACEAE	1		
PLAMAJ	*	<i>PLANTAGO MAJOR</i>	Common plantain	P-Forb	-1	FAC+	PLANTAGINACEAE		1	
PLAOCC	5	<i>Platanus occidentalis</i>	Sycamore	Tree	-3	FACW	PLATANACEAE	1		
POLBIF	5	<i>Polygonatum biflorum</i>	Solomon's seal	P-Forb	3	FACU	LILIACEAE	1		
PERHYO	6	<i>Persicaria hydropiperoides</i>	Mild water pepper	P-Forb	-5	OBL	POLYGONACEAE	1		
PERVIG	5	<i>Persicaria virginianum</i>	Jumpseed	P-Forb	0	FAC	POLYGONACEAE	1		
PRUSER	3	<i>Prunus serotina</i>	Wild black cherry	Tree	3	FACU	ROSACEAE	1		
QUERUB	6	<i>Quercus rubra</i>	Northern red oak	Tree	3	FACU	FAGACEAE	1		
QUEMAC	5	<i>Quercus macrocarpa</i>	Bur oak	Tree	1	FAC-	FAGACEAE	1		
RANABO	1	<i>Ranunculus abortivus</i>	Small-flowered crowfoot	A-Forb	-4	FACW+	RANUNCULACEAE	1		
RANSES	6	<i>Ranunculus septentrionalis</i>	Swamp buttercup	P-Forb	-4	FACW+	RANUNCULACEAE	1		
RIBMIS	3	<i>Ribes missouriense</i>	Wild gooseberry	Shrub	5	UPL	SAXIFRAGACEAE	1		
ROSMUL	*	<i>ROSA MULTIFLORA</i>	Multiflora rose	Shrub	3	FACU	ROSACEAE		1	
RUDLAC	4	<i>Rudbeckia laciniata</i>	Tall coneflower	P-Forb	-4	FACW+	ASTERACEAE	1		
RUMALT	2	<i>Rumex altissimus</i>	Pale dock	P-Forb	4	FACU-	POLYGONACEAE	1		
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		
SANCAS	5	<i>Sanicula canadensis</i>	Black snakeroot	B-Forb	2	FACU+	APIACEAE	1		
SETFAB	*	<i>SETARIA FABERII</i>	Giant foxtail	A-Gram	2	FACU+	POACEAE		1	
SETGLA	*	<i>SETARIA PUMILA</i>	Yellow foxtail	A-Gram	0	FAC	POACEAE		1	
SILPER	2	<i>Silphium perfoliatum</i>	Cup plant	P-Forb	-2	FACW-	ASTERACEAE	1		
SMITAM	3	<i>Smilax tamnoides</i>	Greenbrier	W-Vine	0	FAC	LILIACEAE	1		
STEMED	*	<i>STELLARIA MEDIA</i>	Common chickweed	A-Forb	3	FACU	CARYOPHYLLACEAE		1	
STRHEL	5	<i>Strophostyles helvula</i>	Trailing wild bean	A-Forb	-1	FAC+	FABACEAE	1		
SYMONT	3	<i>Symphotrichum ontarionis</i>	Ontario aster	P-Forb	0	FAC	ASTERACEAE	1		
TAROFF	*	<i>TARAXACUM OFFICINALE</i>	Common dandelion	P-Forb	3	FACU	ASTERACEAE		1	
THADAD	6	<i>Thalictrum dasycarpum</i>	Purple meadow-rue	P-Forb	-2	FACW-	RANUNCULACEAE	1		
THADIO	7	<i>Thalictrum dioicum</i>	Early meadow-rue	P-Forb	2	FACU+	RANUNCULACEAE	1		
THATHA	7	<i>Thalictrum thalictroides</i>	Rue anemone	P-Forb	5	UPL	RANUNCULACEAE	1		
TILAME	5	<i>Tilia americana</i>	Basswood, American linden	Tree	3	FACU	TILIACEAE	1		
TOXRAD	1	<i>Toxicodendron radicans</i>	Poison ivy	Liana	-1	FAC+	ANACARDIACEAE	1		
TRIREC	7	<i>Trillium recurvatum</i>	Wake Robin	P-Forb	4	FACU-	LILIACEAE	1		
ULMAME	3	<i>Ulmus americana</i>	American elm	Tree	-2	FACW-	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		
VERALT	5	<i>Verbesina alternifolia</i>	Wingstem	P-Forb	-3	FACW	ASTERACEAE	1		
VIBLEN	6	<i>Viburnum lentago</i>	Nannyberry	Shrub	-1	FAC+	CAPRIFOLIACEAE	1		
VIOPUP	5	<i>Viola pubescens</i>	Downy yellow violet	P-Forb	4	FACU-	VIOLACEAE	1		
VIOSOR	3	<i>Viola sororia</i>	Hairy blue violet	P-Forb	1	FAC-	VIOLACEAE	1		
VITRIP	3	<i>Vitis riparia</i>	Riverbank grape	W-Vine	-2	FACW-	VITACEAE	1		
ZANAME	4	<i>Zanthoxylum americanum</i>	Prickly ash	Shrub	5	UPL	RUTACEAE	1		

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Total Wetness 28
Native Wetness 19
Adventive Wetness 9

75 13

Floristic Quality Assessment	
Species Richness	
Total Native Flowering Plants	75
Total Bryophytes	0
Total Native Species	75
Total Non Native Species	13
Species Richness (Total # of species)	88
Coefficient of Conservatism	
Total C of C	319
Mean C of Native Flowering Plants	4.25
W/ Adventives	3.63
Floristic Quality Index	
Native FQI	36.8
W/ Adventives	34.0
Wetness Rating	
Native Wetness Index (Mean W)	0.25
W/ Adventives	0.32
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	21	28.00%	1	7.69%	22	25.00%
Shrub	5	6.67%	3	23.08%	8	9.09%
W-Vine	4	5.33%	0	0.00%	4	4.55%
H-Vine	0	0.00%	0	0.00%	0	0.00%
A-Forb	8	10.67%	1	7.69%	9	10.23%
B-Forb	2	2.67%	1	7.69%	3	3.41%
P-Forb	32	42.67%	4	30.77%	36	40.91%
A-Gram	0	0.00%	2	15.38%	2	2.27%
P-Gram	3	4.00%	1	7.69%	4	4.55%
Fern	0	0.00%	0	0.00%	0	0.00%
Bryophyte	0	0.00%	0	0.00%	0	0.00%
Total	75	100.00%	13	100.00%	88	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