

Vascular Plants of Cummington Nature Park and Tenhave Woods, Royal Oak, Michigan

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Introduction

This list compiles the recorded flora of Cummington Nature Area and Tenhave Woods in Royal Oak, Michigan. These records come from several sources: 1) In 1974, Bob Gasiorowski, Howard Miller, Tom Goliber, and Donald Drife compiled a list for the two nature areas. Tenhave's list was revised by Donald Drife in 1976. 2) The field notes of Howard Miller, Carl Drife, Donald Drife, Joyce Drife, and Malcolm Drife. 3) Photographs taken by Donald Drife, Tom Goliber, and Bob Muller. 4) Reports of sight records by Mary Fredricks and Bob Muller. 5) A few plants were collected and pressed specimens deposited in the Billington Herbarium at Cranbrook Institute of Science.

This list is based on notes or photographs taken in the field. If a species was seen but not recorded in the field it is not on the list. We have never done a comprehensive floral inventory. Several groups for example sedges, grasses, violets, oaks, and highbush cranberry require further study.

Each species entry has the scientific name as found in the Michigan Flora Website. <http://michiganflora.net/> followed by one or more common names. If the species was on the 1974 list it is noted. Other records are noted by date. So "Cummington: On 1974 list, 7-22-2002, 7-15-2008." means it was on the 1974 list and noted on the other two dates. We may have seen the species other times but if we did not write it down in the field it is not listed. Although I have seen large-flowered trillium in Tenhave every year since 2000 only two records are noted because my field notes are incomplete. For some species additional notes are given. The Coefficient of Conservation (CoC) is given for all native species and whether the species is native or non-native in the park.

The CoC is a measure of the nativeness of a species. It is a number from 0 to 10. A 0 value is assigned to species that can occur in disturbed areas. They can be found in lawns, farm fields, parking lots, vacant city land etc... Examples of species with a CoC equaling 0 are: Heal-all, Box-elder, and Small-flowered Buttercup. A CoC of 10 is assigned to species that exist only in high quality natural areas. Wood Poppy and Beech-drops are Tenhave's CoC=10 species and Early Buttercup and Beech-drops are Cummington's CoC=10 species. A value of 5 is given to species found in natural areas but they do not necessarily denote a high quality area remnant. Cummington has three species with a CoC value of 9: Kingnut Hickory, Foamflower, and Bladdernut. Tenhave also has three species with a CoC value of 9: Tulip Tree, Black-gum, and Foamflower.

The average CoC of Tenhave is 2.4 and for Cummingston it is 2.3. I was surprised that these numbers are essentially equal. Cummingston's ecosystem is damaged by years of unnatural flooding but it has fewer non-native species than Tenhave. Tenhave's ecosystem is damaged by non-native plants creeping in from the adjoining yards. Cummingston has 289 species including 107 that are non-native and Tenhave has 321 species including 118 that are non-native. The totals for the two park are 366 species and 7 hybrids. The total number of non-native species is 135. Photographs are not included but we hope to add them in a revised list. Search the internet with the scientific name and you will find photographs of most of the species. The Michigan Flora Website listed above has correctly identified photos and is the first place I look for plant images on the web.

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Ferns and Other Spore Bearing Vascular Plants

Athyriaceae

Athyrium filix-femina Lady Fern
On 1974 list for both parks and still present. CoC= 4, Native

Deparia acrostichoides Silvery Spleenwort
Tenhave: On the 1974 list. Several large stands occur along Fern Trail. Misidentified from Tenhave on 1974 as "Virginia Chain Fern." CoC=6, Native

Dryopteridaceae

Dryopteris carthusiana Spinulose Woodfern
Tenhave: Plants occur along Scout Trail. CoC=5, Native

D. intermedia Evergreen Woodfern
Tenhave: Plants occur along Scout Trail and Fern Trail. CoC=5, Native

D. xtriploidea Wherry's Hybrid Woodfern
This is a natural occurring cross between Spinulose and Evergreen Woodfern. Plants occur along Scout Trail in Tenhave. A stand occurs near the northeast corner of the fenced area at Cummingston. Native

Polystichum acrostichoides Christmas Fern
On 1974 list for both parks and still present. CoC=6, Native

Equisetaceae

Equisetum arvense Common Horsetail
Recorded from both Cummingston and Tenhave On the 1974 list. CoC=0, Native

E. hyemale Scouring Rush
Recorded from Tenhave on the 1974 list. In 2014 a small stand of six stems was found. This colony was lost when a tree fell on it. CoC=2, Native

Ophioglossaceae

Sceptridium dissectum Cut-leaved Grape-fern
Cummingston: On the 1974 list. Photographed by M. Drife in Cummingston in 1972. Tenhave: Several plants seen September 12, 2015, 150 feet north of the fence. CoC=5, Native

Onocleaceae

Matteuccia struthiopteris Ostrich Fern
A large stand occurs along Tenhave's east fence. This stand was here in the 1970s and appears to have spread from one of the gardens outside of the park. CoC=3, Native to Michigan but not the park.

Onoclea sensibilis Sensitive Fern
On 1974 list for both parks and still present. CoC=2, Native

Osmundaceae

Osmunda regalis Royal Fern
Recorded from Tenhave as "Flowering Fern" on the 1974 list. Grows along Sassafras Trail near the southeast bend. CoC=5, Native

Osmundastrum cinnamomeum Cinnamon Fern
Tenhave: June 2002 and June 2006. CoC=5, Native

Thelypteridaceae

Phegopteris hexagonoptera Broad Beech-fern
Tenhave: On 1974 list and still present. CoC=8, Native

Thelypteris noveboracensis New York Fern
On 1974 list for both parks and still present. CoC=5, Native

T. palustris Marsh Fern
Tenhave: Recorded along Scout Trail in August 2003. Two groups of a dozen total plants were found spring. CoC=2, Native

Gymnosperms

Cupressaceae

Thuja occidentalis Arbor Vitae, White-cedar
Ten plants planted by the city in the southwest corner of Tenhave. Discovered in January 2001. Three plants remain in 2016.

Pinaceae

Picea sp. Spruce
One plant, one-foot-tall, seen in Tenhave 50 feet east of Sandbar and Goodwin Trail intersection (June 11, 2001). Probably planted.

Taxaceae

Taxus sp. Yew
Along fence in Tenhave in 1970s. A plant was seen along the east border in April, 2001. Probably plants were dumped in the woods.

Monocots

Alismataceae

Alisma sp. Water-plantain
On 1974 list for both parks and still present. CoC=1, Native

Alliaceae

Allium giganteum

Giant Onion

Cummingston: 5-17-2003, 100's of plants along east edge of park. Dumped with yard waste from houses across the street. 7-4-2017 noted near main entrance. Non-native

A. schoenoprasum var. *schoenoprasum*

Chives

Cummingston: 4-21-2001, Several large clumps near main entrance. 7-10-2017 and 9-30-2017 one clump seen in meadow where it was apparently dumped. Non-native

Amaryllidaceae

Narcissus pseudonarcissus

Daffodil

Cummingston: On 1974 list and still in park. Some of the plants are descendents from plantings by the Garden Club in the 1950s. Tenhave: first noted 4-14-2001 and still present. Non-native

Araceae

Arisaema triphyllum

Jack-in-the-pulpit, Indian-turnip

On 1974 list for both parks and still present. CoC=5, Native

Lemna minor

Common Duckweed

Tenhave: Dragonfly pond, first noted 6-15-2014 and still in pond. CoC=5, Native

Commelinaceae

Commelina communis

Common Day Flower, Asiatic Day Flower

Listed for both parks on the 1974 list. Non-native

Tradescantia ohiensis

Common Spiderwort

Cummingston meadow 1974. Native but planted in park.

Convallariaceae

Convallaria majalis

Lily-of-the-valley

Cummingston: 5-20-2001, 5-17-2003 & 5-23-2017, East of Southeast gate. Tenhave 5-4-2004 along south fence. Non-native.

Maianthemum canadense

Canada Mayflower, Wild Lily-of-the-valley,
False Lily-of-the-valley

On 1974 list for both parks. Still in Tenhave north of the fence near the east turnstile. CoC=4, Native

M. racemosum

False Spikenard

On 1974 list for both parks and still present. Some wildflower books list this as *Smilacina racemosa*. CoC=5, Native

M. stellatum

Starry False Solomon-seal

Cummingston: On 1974 list and seen 5-17-2003 at the west end of the park. Some wildflower books list this as *Smilacina stellata*. CoC=5, Native

Polygonatum pubescens Downy Solomon Seal
On 1974 list for both parks and still present. CoC=5, Native

Uvularia grandiflora Large-flowered Bellwort
Cummington: On 1974 list. Not seen since. CoC=5, Native

U. sessilifolia Merrybells, Sessile Bellwort
On 1974 list for both parks and still present. CoC=5, Native

Cyperaceae

Carex grayi Sedge
Tenhave: Near pond 8-26-2006 flowering, 6-15-2014. CoC=6, Native

C. lupulina Sedge
Tenhave: 6-15-2014. CoC=4, Native

Cyperus strigosus Long Scaled Nut Sedge
Tenhave: Growing from corm, 100's near pond 7-28-2006. Cummington: meadow 9-30-2017.
CoC=3, Native

Eleocharis obtusa Spike-rush
Tenhave, six clumps in mud near receding pond 7-29-2006. CoC=3, Native

Hemerocallidaceae

Hemerocallis fulva Orange Day-lily
Cummington: On 1974 list and noted 4-21-2001. Tenhave: 4-14-2001. Non-native

Hyacinthaceae

Ornithogalum umbellatum Star-of-Bethlehem
Tenhave: 4-14-2001. Non-native

Scilla siberica Siberian Squill
Tenhave: 4-14-2001. Cummington: 4-21-2001 & 4-22-2002. Non-native

Iridaceae

Iris germanica Garden Iris
Tenhave: north of fence. First noted 9-6-2002. From garden waste dumped by neighbors. Non-native

I. virginica Southern Blue Flag
Tenhave: On 1974 list at pond. Not seen since. CoC=5, Native

Sisyrinchium sp. Blue-eyed-grass
Cummington meadow 1974. Native

Juncaceae

Juncus bufonius Toad Rush
Tenhave: Mud near pond, 7-20-2006, fruiting. CoC=2, Native

J. effusus Soft-stemmed Rush
Tenhave: 1976 list and at Dragonfly Pond 7-12-2006. CoC=3, Native

Liliaceae

Erythronium americanum Yellow Trout Lily
On 1974 list for both parks and still present. Two anther colors occur, yellow, and rich reddish brown, but the taxonomic significance—if any—is not understood. This species multiplies via stolons and a given plant group will have numerous single non-flowering leaves. CoC=5, Native

Lilium michiganense Michigan Lily
On 1974 list for both parks but misidentified as "Turk's-cap Lily. It is still present in both parks. CoC=5, Native

Tulipa sp. Tulip
Cunnington has plants that are descendents from plantings by the Garden Club in the 1950s. Non-native

Orchidaceae

Epipactis helleborine Helleborine
Cunnington: First noted 1995, still present. Tenhave: First noted 12-1-2001 in seed, still present. Non-native

Poaceae

Agrostis gigantea Redtop
Noted in Tenhave 2002 and 2003. Non-native

Bromus japonicus Japanese Brome
Noted in Tenhave in 1976 near flagpole. Specimen at Cranbrook (BLH). Non-native

Dactylis glomerata Orchard Grass
Recorded from Tenhave in 1976. Common near the flagpole at Tenhave and Crawfish Pond at Cummington. Non-native

Digitalia ischaemum Smooth Crab Grass
Cunnington: 9-30-2017. Non-native

D. sanguinalis Hairy Crab Grass
Cunnington: 9-30-2017. Non-native

Echinochloa crusgalli Barnyard Grass
Tenhave: First collected at Dragonfly Pond on August 26, 2006. Still grows at edge of pond. Cummington: 9-30-2017 at Crawfish Pond. Non-native

<i>Elymus canadensis</i>	Canada Wild Rye
Cummingston: Near Crawfish Pond. CoC=5, Native	
<i>E. hystrix</i>	Bottlebrush Grass
Cummingston: Near Crawfish Pond. Several nice stands grow in the Arboretum. CoC=5, Native	
<i>E. repens</i>	Quack Grass
Noted in Tenhave in 2006. Non-native	
<i>Leersia virginica</i>	White Grass
Along Goodwin Tail in Tenhave and Leafdale Trail in Cummingston. CoC=5, Native	
<i>Lolium perenne</i>	Ryegrass
Tenhave: Noted in 1976 and currently near flagpole. Non-native	
<i>Muhlenbergia schreberi</i>	Nimblewill
Recorded from Cummingston and Tenhave 2006. CoC=0, Native	
<i>Panicum</i> sp.	Panic Grass
Cummingston: 8-16-2003 and in meadow 9-30-2017. Tenhave: 6-25-2006. Probably <i>P. dichotomiflorum</i> .	
<i>Phalaris arundinacea</i>	Reed Canary Grass
Cummingston: 9-30-2017. CoC=0, Native in part	
<i>Phleum pratense</i>	Timothy
Cummingston: 8-18-2004. Non-native	
<i>Phragmites australis subsp. australis</i>	Reed Grass
Around ponds at Cummingston and Tenhave. First noted in 2005. Non-native	
<i>Poa annua</i>	Annual Bluegrass
Tenhave: 6-9-1976, 5-20-2001, 6-8-2002, 7-12-2006 (fruiting), 5-29-2018 flowering. Cummingston: 5-17-1980, 4-29-2001, 6-24-2006. Non-native	
<i>P. pratensis</i>	Kentucky Bluegrass
Tenhave: 6-8-2002. Cummingston: 5-29-2018. Non-native	
<i>Setaria italic</i>	Millet
Cummingston: 9-30-2017. Non-native	
Potamogetonaceae	
<i>Potamogeton natans</i>	Pondweed
Recorded from the pond in Tenhave in the 1970s. CoC=5, Native	

Stuckenia pectinata

Sago Pondweed

Tenhave: Fruiting plants were discovered in Dragonfly Pond (August 26, 2006). It is still fruiting every summer (2017). Cummingston: Crawfish Pond 8-10-2017 fruiting. CoC=3, Native

Smilacaceae

Smilax ecirrata

Upright Carrion-flower

Cummingston: 1983, 5-17-2000, 5-11-2002, 5-17-2003, 5-15-2017. Tenhave 6-6-2003. CoC=6, Native

S. hispida

Bristly Greenbrier

Cummingston: 1974 list, 10-22-2000, 6-7-2003, 5-15-2017. Tenhave: 1974 list, 10-22-2000, 6-12-2002, 6-7-2003. CoC=5, Native

Trilliaceae

Trillium erectum

Stinking Benjamin, Red Trillium

3500 stems were counted in Cummingston in April of 1974. In April of 2001, 50 stems were counted. One plant with two flower was seen in May of 2017. This plant had a single stem in 2016. In the 1970s several plant of f. *calmae* were photographed by Malcolm Drife. These were probably hybrids with Drooping Trillium (*T. flexipes*). They resemble Painted Trillium.

Tenhave still (2017) has a nice population. In April of 2012 we counted 3500 plants. Only 550 had their leaves by May. The deer had browsed them. In 2013 the fence was raised to deer proof the park. In the spring of 2013 about half of trilliums flowered. The rest were reduced to stunted plants. See *The Chinquapin*, Winter 2012/13 page 2, for details. By 2017 the population had recovered. CoC=7, Native

T. grandiflorum

Large-flowered Trillium, Common Trillium, White Trillium

Cummingston: 1974 list, 4-29-2001 (3 stems), 4-20-2002, 5-11-2002, 5-17-2003, 5-12-2016 (40 stems). Tenhave: 1974 list, 4-22-2002, 4-28-2012 (4900 plants). Only 550 had their leaves by May. See comments under Red Trillium for recovery from deer browse. CoC=5, Native

Typhaceae

Typha angustifolia

Narrow-leaved Cat-tail

Recorded from Cummingston in the 1970s. Tenhave has records from the 1970s and currently it grows at Dragonfly Pond. Apparently introduced to Michigan.

T. latifolia

Common Cat-tail, Broad-leaved Cat-tail

Recorded from Cummingston in the 1970s. Tenhave has records from the 1970s and currently it grows at Dragonfly Pond. CoC=1, Native

Dicots

Adoxaceae

Sambucus canadensis Common Elderberry
Cummington: On 1974 list, 7-1-2017, 6-15-2018. Tenhave: On 1974 list, 8-15-2017. CoC=3, Native.

S. racemosa Red-berried Elderberry
Tenhave: On 1974 list, 2-9-2008, still in park. CoC=3, Native

Viburnum acerifolium Maple-leaved Viburnum
Tenhave: On 1974 list, 6-8-2002. Cummington: 5-17-2003. CoC=6, Native

V. dentatum Arrowwood
Tenhave: On 1974 list. Cummington: 6-7-2003. CoC=6, Native

V. lentago Nannyberry
Tenhave: First noted 6-12-2002 and still present. CoC=4, Native

V. sieboldii Siebold Viburnum
Tenhave: 11-3-2018 One large shrub with seedlings. Non-native.

V. trilobum Highbush-cranberry
On 1974 list for both parks and still present. Further study is needed to determine if we have this species, *V. opulus*, or both.

V. rafinesquianum Downy Viburnum
Cummington: 9-6-2002, 5-17-2003. CoC=5, Native

Amaranthaceae

Amaranthus retroflexus Rough Amaranth
Tenhave: On 1974 list. Cummington: Found several times in the summer of 2003 and in the meadow 9-30-2017. Non-native.

Chenopodium album Lamb's-quarters, Pigweed
On 1974 list for both parks and still present. Non-native.

Anacardiaceae

Rhus typhina Staghorn Sumac
Cummington: On 1974 list. Tenhave: On 1974 list, 12-7-2002 along east fence, 8-23-2006 seedling by pond, still by the pond. CoC=3, Native

Toxicodendron radicans Poison-ivy
On 1974 list for both parks and still present. CoC=2, Native

Apiaceae

Cicuta maculata Water-hemlock
Cunnington: On 1974 list, 7-9-2010 by pond. Tenhave: On 1974 list. CoC=4, Native

Cryptotaenia canadensis Honewort
Cunnington: On 1974 list. CoC=2, Native

Daucus carota Queen-Anne's-lace, Wild Carrot
Cunnington: On 1974 list, 8-23-2003. Tenhave: On 1974 list. Non-native

Pastinaca sativa Wild Parsnip
Tenhave: On 1974 list, R. Gasiorowski had a photo of Howard Miller standing next to a plant by the flagpole. Non-native.

Sanicula spp. Black Snakeroot
On 1974 list for both parks. We have the following species...

S. canadensis Black Snakeroot
Tenhave: On 1976 list, 5-20-2001. CoC=8, Native

S. odorata Black Snakeroot
Tenhave: On 1974 list. CoC=2, Native

S. trifoliata Black Snakeroot
Tenhave: On 1976 list, 6-25-2006. Cunninghamton: 7-5-2006. CoC=6, Native

Apocynaceae

Apocynum androsaemifolium Spreading Dogbane
Cunnington: On 1974 list, 8-23-2003, 6-23-2016. Tenhave: On 1974 list. CoC=3, Native

A. cannabinum Indian-hemp
Cunnington: 9-30-2017. CoC=3, Native

A. xfloribundum Hybrid Dogbane
On 1974 list for both parks. Native

Asclepias incarnata Swamp Milkweed
Cunnington: 7-9-2010 by pond. 6-15-2018 with Monarch larva. CoC=6, Native

A. syriaca Common Milkweed
Cunnington: On 1974 list, 5-29-2018. Tenhave: On 1974 list, 8-30-2006. CoC=1, Native

Aquifoliaceae

Ilex verticillata Michigan Holly
Tenhave: First noted 9-17-2004 fruiting, still present. CoC=5, Native

Araliaceae

Hedera helix

English Ivy

First noted in both parks in 2002 and still present in both parks despite efforts to remove this invasive plant. Non-native

Panax trifolius

Dwarf Ginseng

Tenhave: On 1974 list and still present. CoC=8, Native

Aristolochiaceae

Asarum canadensis

Wild-ginger

On 1974 list for Cummingston. CoC=5, Native

Asteraceae

Achillea millefolium

Yarrow

Cummingston: On 1974 list. Tenhave: On 1974 list, 9-14-2002. CoC=1, Native

Ambrosia artemisiifolia

Common Ragweed

On 1974 list for both parks and still present. CoC=0, Native

A. trifida

Giant Ragweed

On 1974 list for both parks. CoC=0, Native

Arctium minus

Common Burdock

On 1974 list for both parks and still present. Non-native

Bidens cernuus

Nodding Beggar-ticks

Cummingston: 8-16-2003, 9-18-2018 still present. Tenhave: 8-7-2007, still present. CoC=3, Native

Carduus nutans

Nodding Thistle

Tenhave: 6-17-2017 on Muller Peninsula. Non-native

Centaurea jacea

Brown Knapweed

Cummingston: On 1974 list, 8-7-2007, still present. Tenhave: On 1974 list. Non-native

C. nigrescens

Short-fringed Knapweed, Tyrol Knapweed

Cummingston: On 1974 list. Non-native

C. stoebe

Spotted Knapweed

Cummingston: On 1974 list. Tenhave: On 1974 list, 9-6-2002. Found in some wildflower books as *C. maculosa*. Non-native

C. xmoncktonii

Hybrid Knapweed

Cummingston: 8-7-2007. This is a hybrid between Brown and Black Knapweed (*C. nigra*) Non-native

Cichorium intybus Chicory, Blue-sailors
 Cummingston: On 1974 list, 6-24-2006, 7-21-2012. Tenhave: On 1974 list, 9-14-2002, 8-2-2003.
 The white flowered form (f. *album*) was seen in Tenhave in 1976 and Cummingston in 2012.
 Non-native

Cirsium arvense Canada Thistle
 Cummingston: 6-24-2006, 9-30-2017, 7-17-2018. Tenhave: 7-17-2007, 8-12-2009. Non-native

C. vulgare Bull Thistle
 Cummingston: 8-16-2003, 9-30-2017. Tenhave: 9-14-2002, 7-17-2007, 8-12-2009. Non-native

Conyza canadensis Horseweed
 Tenhave: On 1974 list, 8-6-1975, 9-14-2002, 7-28-2006, 7-17-2007, 8-12-2009. CoC=0, Native

Erechtites hieraciifolius Fireweed
 Tenhave: 8-1-2006 near Pond, 8-25-2012. Cummingston: 9-30-2017. CoC=2, Native

Erigeron annuus Daisy Fleabane
 Tenhave: 6-3-2012. CoC=0, Native

E. philadelphicus Common Fleabane
 Cummingston: On 1974 list. Tenhave: On 1974 list, 6-12-2002, 6-4-2004. CoC=0, Native

Eupatorium perfoliatum Boneset
 Cummingston: On 1974 list, 9-28-2011, 7-1-2017, 6-15-2018. Tenhave: On 1974 list, 8-12-2009.
 CoC=4, Native

Euthamia graminifolia Grass-leaf Goldenrod
 Tenhave: 8-25-2007. Cummingston 9-28-2011. CoC=3, Native

Eutrochium purpureum Green Stemmed Joe-pye-weed,
 Sweet Joe-pye-weed
 Cummingston: 7-24-1973. CoC=5 Native

Helenium autumnale Sneezeweed
 Cummingston: On 1974 list. Tenhave: On 1974 list. CoC=5, Native

Helianthus sp. Sunflower
 Cummingston: On 1974 list.

Hieracium sp. King Devil, Yellow Hawkweed
 Tenhave: 6-10-2009 Five plants near pond. *H. piloselloides*, *H. caespitosum*, or their hybrid.
 Plants with leaves hairy above and not glaucous. No stellate hairs on pedicels. Non-native

Inula helenium Elecampane
 Cummingston: On 1974 list. Non-native

<i>Lactuca canadensis</i>	Wild Lettuce, Tall Lettuce
Cunnington: On 1974 list. Tenhave: On 1974 list. CoC=2, Native	
<i>Lapsana communis</i>	Nipplewort
Tenhave: 6-30-2006 Fifteen plants near pond. Non-native	
<i>Leucanthemum vulgare</i>	Ox-eye Daisy
Cunnington: On 1974 list. Found in some wildflower books as <i>Chrysanthemum leucanthemum</i> . Non-native	
<i>Matricaria discoidea</i>	Pineapple-weed
Tenhave: On 1974 list. Non-native	
<i>Packera aurea</i>	Golden Ragwort
Cunnington: On 1974 list. CoC=5, Native	
<i>Prenanthes alba</i>	White Lettuce
Tenhave: On 1974 list, 10-30-2005 in seed. CoC=5, Native	
<i>Rudbeckia hirta</i>	Black-eyed Susan
Tenhave: On 1974 list. Cummington: 1975 photo by R. Muller. CoC=1, Native	
<i>R. triloba</i>	Thin-leaved Coneflower
Cunnington: On 1974 list. CoC=5, Native	
<i>Solidago altissima</i>	Tall Goldenrod
Tenhave: 9-5-1976. Cummington: 8-18-2004. CoC=3, Native	
<i>S. caesia</i>	Bluestem Goldenrod
Tenhave: 8-29-1973, 9-14-2002, 10-1-2009. Cummington: 8-30-1973. CoC=6, Native	
<i>S. canadensis</i>	Canada Goldenrod
Tenhave: 9-14-2002. CoC=1, Native	
<i>S. flexicaulis</i>	Zigzag Goldenrod
On 1974 list for both parks and still present. CoC=6, Native	
<i>Sonchus</i> spp.	Sow-thistle
On the 1974 list for both parks. We have the following species:	
<i>S. arvensis</i>	Common Sow-thistle
Cunnington: 9-30-2017. Non-native	
<i>S. asper</i>	Prickly Sow-thistle
Tenhave: 7-12-2006, 7-17-2007. Cummington: 9-30-2017. Non-native	

Symphytrichum novae-angliae New England Aster
Cunnington: On 1974 list, 9-28-2011. Tenhave: 7-20-2011. Found in some wildflower books as *Aster novae-angliae*. CoC=3, Native

S. pilosum Frost Aster
Tenhave: 10-22-2000, 10-20-2001. Cunningham: 9-30-2017. Found in some wildflower books as *Aster pilosus*. CoC=1, Native

S. subulatum Saltmarsh Aster
Cunnington: 9-30-2017. Non-native

Taraxacum officinale Common Dandelion
On 1974 list for both parks and still present. Non-native

Tragopogon sp. Yellow Goats-beard
On 1974 list for both parks. Non-native

Tussilago farfara Coltsfoot
Cunnington: Plants found by the pond in the summer of 2010 and still present. Spreading. Non-native

Xanthium strumarium Cocklebur
Tenhave: On 1974 list. Non-native.

Balsaminaceae

Impatiens capensis Spotted Touch-me-not
On 1974 list for both parks and still present. CoC=2, Native

Berberidaceae

Berberis aquifolium Oregon-grape
Tenhave: listed by C. Drife in 1990 notes. Along north fence 12-14-2002. Removed during invasive species work 2009. Also known as *Mahonia aquifolium*. Non-native

B. thunbergii Japanese Barberry
On 1974 list for both parks and still found in both despite attempts to remove this invasive species. Non-native

Podophyllum peltatum May-apple, Mandrake
On 1974 list for both parks and still present. CoC=3, Native

Betulaceae

Carpinus caroliniana Hornbeam, Blue-beech, Ironwood
On 1974 list for both parks and still present. CoC=6, Native

Ostrya virginiana Hop-hornbeam, Ironwood
On 1974 list for both parks and still present. CoC=5, Native

Bignoniaceae

Catalpa speciosa Northern Catalpa, Cigar-tree
Tenhave: On 1974 list, still in park. Cummingston: 9-28-2011, 7-1-2017. Non-native

Boraginaceae

Hydrophyllum virginianum Virginia Waterleaf
On 1974 list for both parks and still present. CoC=4, Native

Hackelia virginiana Stickseed
Tenhave: 7-21-12. Cummingston: 9-30-2017. CoC=1, Native

Mertensia virginica Virginia Cowslip, Virginia Bluebells
Cummingston: On 1974 list (planted by the Garden Club in the 1950s)

Brassicaceae

Alliaria petiolata Garlic Mustard
First noted in both parks 5-20-2001 but it was well established and had obviously been there for several years. Unfortunately, this invasive species is still present in both parks today (2017).
Non-native

Barbarea vulgaris Yellow Rocket, Winter Cress
Cummingston: On 1974 list, noted in meadow 5-17-2003 and 9-30-2017. Tenhave: On 1974 list and noted near pond 5-17-2003 and 9-15-2017. Non-native

Berteroa incana Hoary Alyssum
On 1974 list for Tenhave. Non-native

Brassica nigra Black Mustard
Cummingston: 8-2-2003, and 6-12-2017. Non-native

B. rapa Field Mustard, Turnip
Noted in the 1970s as occurring in Cummingston by Howard Miller. Non-native

Capsella bursa-pastoris Shepherd's-purse
Noted in both parks on 1974 list. Non-native

Cardamine bulbosa Spring Cress
On 1974 list for both parks. Still found in Tenhave. CoC=4, Native

C. concatenata Cut-leaved Toothwort
Found in Tenhave CoC=5, Native

C. douglassii Pink Spring Cress, Purple Spring Cress
On 1974 list for both parks and still present. CoC=6, Native

Lepidium campestre Field Cress
Cummington: On 1974 list, noted 5-17-1980, and 8-12-2006 in seed. Non-native

L. virginicum Common Peppergrass
On 1974 list for Cummington. CoC=0, Native

Rorippa palustris Yellow Cress
Tenhave: 7-29-2006, three plants in flower and seed by Dragonfly Pond. CoC=1, Native

Campanulaceae

Campanula rapunculoides Creeping Bellflower
Tenhave: On 1974 list. Non-native

Lobelia cardinalis Red Lobelia, Cardinal-flower
Cummington: On 1974 list. CoC=7, Native

L. inflata Indian-tobacco
Tenhave: On 1974 list, 7-17-2007, 8-12-2009. CoC=0, Native

L. siphilitica Great Blue Lobelia
Cummington: On 1974 list, 8-16-2003. CoC=4, Native

Cannabaceae

Celtis occidentalis Hackberry
One tree in Tenhave along Swamp Trail. Discovered 6-5-2004 and still (2017) there. CoC=5, Native

Caprifoliaceae

Lonicera spp. Honeysuckle
On the 1974 list for both parks. We have the following taxa:

L. dioica Red Honeysuckle
Cummington: On 1974 list, 5-17-2003, 5-16-2017. Tenhave: 6-15-2003. CoC=5, Native

L. maackii Amur Honeysuckle
In both parks despite attempts to remove it. Non-native

L. tatarica Tartarian Honeysuckle
Tenhave: 5-12-1976. Non-native

L. xbella Bell's Honeysuckle
In both parks despite attempts to remove it. This is a hybrid between Murrow Honeysuckle and Tartarian Honeysuckle. Non-native

Caryophyllaceae

Cerastium fontanum

Mouse-ear Chickweed

Tenhave: 8-2-2003, 6-5-2004. Non-native

Dianthus armeria

Deptford Pink

On 1974 list for both parks. Noted 9-14-2002 in Tenhave near flagpole. Non-native

Saponaria officinalis

Bouncing Bet, Soapwort

Tenhave: On 1974 list. Non-native

Silene latifolia

White Champion

Tenhave: On 1974 list. Cummingston: Noted several times in the summer of 2003. Non-native

Stellaria media

Common Chickweed

On 1974 list for both parks. Noted 6-14-2003 in Cummingston. Non-native

Celastraceae

Celastrus scandens

American Bittersweet

Tenhave: On 1974 list, 10-22-2000, 6-8-2002, 11-18-2017. All of our plants are sterile but are tentatively placed here and not with the invasive bittersweet. CoC=3, Native

Euonymus alatus

Winged Euonymus

Tenhave: First noted 6-8-2002 and still present despite attempts to remove it. Non-native

E. europaeus

Spindle Tree

Tenhave: On 1974 list, 6-8-2002. Cummingston: 10-16-2004 fruiting. Still present in both parks despite attempts to remove it. Non-native

E. fortunei

Wintercreeper

Tenhave: Seen in 1976, 10-22-2000. Cummingston: First noted 5-11-2002. Still present in both parks despite attempts to remove it. Non-native

E. obovatus

Running Strawberry-bush

Cummingston: On 1974 list, still present. Tenhave: First noted 5-20-2001, still present. CoC=5, Native

Convolvulaceae

Calystegia sepium

Hedge Bindweed

Tenhave: On 1974 list, 6-10-2006. Cummingston: 6-14-2003, 8-15-2006. CoC=2, Native

Convolvulus arvensis

Field Bindweed

Tenhave: 6-6-2003. Non-native

Cornaceae

Cornus alternifolia

Alternate-leaved Dogwood

Cummingston: One plant noted 10-16-2004 and still present. CoC=5, Native

C. amomum Silky Dogwood
Cumminston: 6-15-2018. Tenhave: On 1974 list. CoC=2, Native

C. foemina Gray Dogwood
On 1974 list for both parks and still present. CoC=1, Native

C. sericea Red-osier Dogwood
On 1974 list for both parks and still present. CoC=2, Native

Dipsacaceae

Dipsacus fullonum Wild Teasel
Cunnington: On 1974 list, 6-24-2006, 9-30-2017, 7-17-2018. Tenhave: On 1974 list, 8-6-1975, 10-30-2005 seed. Non-native

Ericaceae

Monotropa uniflora Indian-pipe
Tenhave: Found by John in July 2014, 7-15-2015, 7-23-2016. CoC=5, Native

Euphorbiaceae

Acalypha rhomboidea Three-seeded Mercury
Tenhave: On 1974 list, 9-14-2002, 8-16-2003. Cummington: 6-24-2006, 8-7-2007, 9-30-2017.
Non-native

Euphorbia maculata Prostrate Spurge
Tenhave: 8-26-2006 in soil disturbed by Dragonfly Pond construction. CoC=0, Native

Fabaceae

Amphicarpaea bracteata Hog-peanut
On 1974 list for both parks. Tenhave: 7-4-2012, 6-14-2014. CoC=5, Native

Cercis canadensis Redbud, Judas Tree
Tenhave: 8-26-18 along south fence, seeding in from adjoining yard. Native in southern Michigan but non-native in the park.

Desmodium canadense Showy Tick-trefoil
Tenhave: On 1974 list. CoC=3, Native

Gleditsia triacanthos Honey Locust
Cunnington: Non-flowering tree noted 7-23-2001, 9-6-2002. Native to southern Michigan but not native to our park.

Lathyrus latifolius Everlasting Pea
Tenhave: On 1974 list. Non-native

Lotus corniculatus Birdfoot Trefoil
 Tenhave: First noted near pond 7-29-2006. Non-native

Medicago lupulina Black Medick
 Tenhave: On 1974 list and still present. Cummingston: First noted 6-7-2003. Non-native

Melilotus albus White Sweet-clover
 Cummingston: On 1974 list. Tenhave: On 1974 list, 8-2-2003, 7-17-2007, 8-17-2009. Non-native

M. officinalis Yellow Sweet-clover
 Cummingston: On 1974 list, 6-24-2006. Tenhave: On 1974 list, 8-16-2003, 7-17-2007. Non-native

Robinia pseudoacacia Black Locust
 On 1974 list for both parks. Non-native

Trifolium aureum Hop Clover
 Cummingston: On 1974 list. Non-native

T. hybridum Alsike Clover
 Cummingston: On 1974 list, 6-25-2006. Tenhave: On 1974 list, 6-5-2004, 7-19-2006. Non-native

T. pretense Red Clover
 Cummingston: On 1974 list, 6-24-2006. Tenhave: On 1974 list, still present. Non-native

T. repens White Clover
 Cummingston: On 1974 list, 5-17-2003, 6-24-2006, 9-30-2017. Tenhave: On 1974 list, 6-12-2002, 6-5-2004, 7-17-2007. Non-native

Wisteria sinensis Chinese Wisteria
 Tenhave: on 1974 list. Non-native

Fagaceae

Fagus grandifolia American Beech
 On 1974 list for both parks and still present. CoC=6, Native

Quercus alba White Oak
 On 1974 list for both parks. Cummingston 10-6-2018. Tenhave 10-7-2018. CoC=5, Native

Q. bicolor Swamp White Oak
 On 1974 list for both parks. Cummingston 10-6-2018. Tenhave 10-7-2018. CoC=8, Native

Q. macrocarpa Burr Oak
 On 1974 list for both parks. Cummingston 10-6-2018. Tenhave 10-7-2018. CoC=5, Native

Q. muehlenbergii Chinquapin Oak, Yellow Chestnut Oak
Cummington: On 1974 list, 10-6-2018 Tenhave: 12-6-2003 west of Fern Trail, 10-7-2018.
CoC=5, Native

Q. palustris Pin Oak
Tenhave: On 1974 list. In 2015, only one tree remained near the flagpole from the three that grew here in the 1970s. It was a two-trunk tree and the healthy looking trunk came down in a storm in 2017. The remaining trunk fell in a high wind 10-15-2017. It measured 107 inches in circumference. Cummington: several occur in the eastern end of the park. First noted 10-16-2004 with acorns. A branch with acorns was seen in the meadow 10-18-2017. 10-6-2018
CoC=8, Native

Q. rubra Red Oak
On 1974 list for both parks. Cummington 10-6-2018. Tenhave 10-7-2018. CoC=5, Native

Q. shumardii Shumard Oak
Tenhave: Two or three trees along north edge of woods. Large acorns and large, deeply lobed leaves and gray, glabrous buds. Flowers before other oaks. 10-7-2018. Three early flowering trees occur near pond. They have large acorns, but smaller leaves that are not deeply lobed. There buds are chestnut-brown with fine hairs. These may be hybrids with Red Oak.
Cummington: One tree found near middle of fenced in area in 2015. It had large acorns and large, deeply lobed leaves, and gray, glabrous buds. 10-6-2018 CoC=8, Native

Q. velutina Black Oak
Tenhave: On 1974 list and still in park (2017). CoC=6, Native

Q. xhawkinsiae Hybrid Oak
Cummington: 10-6-2018 Northwestern corner of fenced area. Tenhave: Cross between Black and Red Oak. Two trees north of northwest fence corner. Native

Q. xjackiana Hybrid Oak
Cummington: 10-3-2017 Cross between White and Swamp White Oak. Found in western end of park. 10-6-2018. Native

Q. xriparia Hybrid Oak
Cummington: 20-6-2018. Tenhave: Cross between Red and Shumard Oak. North of northeast turnstile. Verified by Suzan Campbell. Acorns too small for Shumard and leaves deeply lobed but misshapen. Native

Gentianaceae

Centaureum erythraea Forking Centaury
Cummington: Noted in meadow 7-1-2017. Tenhave: 7-2-2017 by flagpole. Non-native

Gentiana andrewsii

Closed Gentian, Bottle Gentian

Cummingston: In the 1960 the trail north of the meadow was called the Gentian Trail. Several non-flowering plants were seen in the 1970s along this former trail. One non-flowering plant, with a single leaf, seen 2001 north of meadow. This plant has died out. CoC=5, Native

Geraniaceae

Geranium maculatum

Wild Geranium

On 1974 list for both parks and still present. CoC=4, Native

Grossulariaceae

Ribes americanum

Wild Black Currant

Cummingston: 4-29-2001. Tenhave: 5-1-2017. CoC=6, Native

R. cynosbati

Prickly Gooseberry

Cummingston: 4-29-2001. Tenhave: 5-26-2003 fruiting. (“Gooseberry” was on the 1974 list for both parks but not identified to species.) CoC=3, Native

R. rubrum

Red Currant

Tenhave: On 1974 list, 7-12-2006 fruiting. Non-native

Hamamelidaceae

Hamamelis virginiana

Witch-hazel

On 1974 list for both parks and still present. CoC=5, Native

Hydrangeaceae

Philadelphus pubescens

Downy Mock-orange

Tenhave: On 1974 list, 1-5-2001 on east side of park (this plant was removed during invasive species work). Cummingston: 7-23-2001, 9-6-2002, 5-17-2003. Non-native

Hypericaceae

Hypericum perforatum

Common St. John’s-wort, Klamath Weed

On 1974 list for both parks. Non-native

H. prolificum

Shrubby St. John’s-wort

Cummingston: On 1974 list (it grew in the meadow.) CoC=5, Native

Juglandaceae

Carya cordiformis

Bitternut Hickory

On 1974 list for both parks and still present. CoC=5, Native

C. glabra

Pignut Hickory

Cummingston: Discovered 2016 in eastern end of park. Tenhave: 1-1-2016 Fruiting. CoC=5, Native

C. laciniosa

Kingnut Hickory, Shellbark Hickory

Cummingston: Discovered 2016 in eastern end of park. CoC=9, Native

C. ovata Shagbark Hickory
On 1974 list for both parks and still present. CoC=5, Native

Juglans cinerea Butternut
Tenhaven: 1974 list, seven mature trees occur today (2017). Cummingston: One tree noted in fruit 10-22-2000 along north edge of park. CoC=5, Native

J. nigra Black Walnut
Tenhaven: On 1974 list. Cummingston: One tree found fruiting in the meadow 9-6-2002. It and several saplings are still there (2017). CoC=5, Native

Lamiaceae

Collinsonia canadensis Horse-balm, Stoneroot
Tenhaven: On 1974 list and still present. CoC=8, Native

Glechoma hederacea Ground Ivy, Gill-over-the-ground,
Creeping Charlie
On 1974 list for both parks and still present. Non-native

Lamium purpureum Purple Dead-nettle
Cummingston: 4-14-1976. Tenhaven: 4-24-2007. Non-native

Leonurus cardiaca Motherwort
Cummingston: On 1974 list and still present. Tenhaven: 4-14-2001, 8-2-2003. Non-native

Lycopus sp. Water-horehound
Tenhaven: 7-17-2007, 8-12-2009 by pond. Our plants do not run satisfactorily through a key and need further study.

Mentha canadensis Wild Mint
Cummingston: 8-16-2003. CoC=3, Native

Monarda fistulosa Wild-bergamot
Cummingston: On 1974 list. Tenhaven: 5-17-1980. CoC=2, Native

Nepeta cataria Catnip
Cummingston: First noted 4-29-2001, 7-17-2018. Non-native

Origanum vulgare Oregano
Cummingston: 9-30-2017 in meadow, perhaps discarded garden plants. Non-native

Prunella vulgaris Heal-all, Self-heal
On 1974 list for both parks and still present. CoC=0, Native

Pycnanthemum virginianum Common Mountain Mint
Cummingston: On 1974 list from the meadow. CoC=5, Native

Scutellaria lateriflora Mad-dog Skullcap
Tenhave: On 1974 list and still present. CoC=5, Native

Lauraceae

Lindera benzoin Spicebush
On 1974 list for both parks and still present. CoC=7, Native

Sassafras albidum Sassafras
On 1974 list for both parks and still found in Tenhave. CoC=5, Native

Linderniaceae

Lindernia dubia False Pimpernel
Tenhave: 6-30-2006, still present near pond. CoC=4, Native

Lythraceae

Lythrum salicaria Purple Loosestrife
Cunnington: First noted 7-21-2003 and still present around pond. Tenhave: First noted 8-7-2007 near the pond and the plants are removed. Non-native.

Magnoliaceae

Liriodendron tulipifera Tulip Tree
Tenhave: On 1974 list and still present. CoC=9, Native

Malvaceae

Abutilon theophrasti Velvet-leaf
Tenhave: On 1974 list, 8-25-2007 by pond. Cummington: 9-30-2017 in meadow. Non-native

Hibiscus moscheutos Swamp Mallow, Rose Mallow
Cunnington: On 1974 list (in meadow), 7-2-2011 two non-flowering plants near pond. CoC=7, but perhaps not native to our parks.

H. syriacus Rose-of-Sharon
Tenhave: 8-26-18 along south fence, seeding in from adjoining yard. Non-native

Malva neglecta Common Mallow, Cheeses
Cunnington: 4-29-2001 non-flowering. Non-native

Tilia americana Basswood, Linden
On 1974 list for both parks and still present (2017). CoC=5, Native

T. cordata Little-leaf Linden
Cunnington: Several small trees. Non-native

Menispermaceae

Menispermum canadense Moonseed
Currently present in both parks (2017). CoC=5, Native

Montiaceae

Claytonia virginica Spring-beauty
On 1974 list for both parks and still present. CoC=4, Native

Moraceae

Morus alba White Mulberry, Russian Mulberry
On 1974 list for both parks and still present. Non-native

Myrsinaceae

Lysimachia ciliata Fringed Loosestrife
Cummington: First noted 7-7-2010 and still present. CoC=4, Native

Nyssaceae

Nyssa sylvatica Black-gum
Tenhave: On 1974 list from outside of fence along Normandy Road. This tree is still present. R. Muller discovered a single tree along the Sassafras Trail in 2011. CoC=9, Native

Oleaceae

Ligustrum obtusifolium Border Privet
Cummington: 6-18-2018. Non-native.

L. vulgare Common Privet
First noted in both parks in 2001 and still present in both despite efforts to remove it. Non-native

Syringa vulgaris Common Lilac
Tenhave: On 1974 list and still present in northeastern corner of fenced in area. Non-native

Fraxinus spp. Ash
The Emerald Ash Borer, first seen in our parks in 2004, has killed all large ash trees in both parks. Seedlings are known of all the species except Black Ash. Some trees get large enough to produce seeds but we lost 100's of mature trees from the parks. We have the following species:

F. americana White Ash
On 1974 list for both parks and still present. CoC=5, Native

F. nigra Black Ash
Tenhave: On 1974 list, 10-22-2000, 7-4-2007, no locations currently from park but it should be looked for along the Scout Trail. CoC=6, Native

F. pennsylvanica Red Ash, Green Ash
Tenhave: On 1974, and still present. Cummington: First noted 10-22-2000 and still present. We have both glabrous (Green Ash) and pubescent (Red Ash) individuals in both parks. CoC=2, Native

Onagraceae

Circaea alpina

Small Enchanter's-nightshade

On 1974 list for Cummingston but not seen since. Perhaps it was based on a depauperate Enchanter's-nightshade. CoC=4, Native

C. canadensis

Enchanter's-nightshade

On 1974 list for both parks and still present. In some wildflower books as *C. lutetiana* or *C. quadrisulcata*. CoC=2, Native

Epilobium ciliatum

Northern Willow-herb

Cummingston: On 1974 list, 8-23-2003 in meadow. Tenhave: First noted near Dragonfly Pond 8-1-2006 and still present. CoC=3, Native

E. leptophyllum

Fen Willow-herb

Tenhave: 7-19-2006 in mudflat near pond, 7-23-2015 near pond. CoC=6, Native

Ludwigia palustris

Water-purslane

Tenhave: First noted 7-29-2006 near pond and still present. CoC=4, Native

Oenothera biennis complex

Evening-primrose

Cummingston: On 1974 list and still present. CoC=2, Native

Orobanchaceae

Epifagus virginiana

Beech-drops

On 1974 list for both parks and still present. CoC=10, Native

Oxalidaceae

Oxalis sp.

Wood-sorrel

Cummingston: On 1974 list, 7-21-2003, 8-2-2003. Tenhave: On 1974 list, 10-20-2001, 9-14-2002, 8-2-2003, 7-19-2006.

O. dillenii

Common Yellow Wood-sorrel

Cummingston: 9-30-2017. Non-native

Papaveraceae

Dicentra cucullaria

Dutchman's-breeches

Tenhave: Several large clumps were noted by C. Drife in the 1980s occurring east of the Sandbar Trail near the intersection with the Goodwin Trail. These clumps could not be relocated in the late 1990s. A single leaf was seen 4-14-2001 by the west gate near the flagpole. A larger plant with 4 leaves was found 4-22-2002 in the Goodwin Trail. The trail was moved and this plant began to flower and seed. Several nice clumps now bloom every spring. CoC=7, Native

Sanquinaria canadensis

Bloodroot

Cummingston: The lone known clump disappeared in the spring of 1971. It was not seen in the park until R. Muller and D. Drife observed a clump of six plants in seed 5-17-2003. Later that year an unauthorized trail was built, killing this clump. Bloodroot has not been seen since 2003.

Tenhaven: On the 1974 list, still abundant in the park. CoC=5, Native

Stylophorum diphyllum

Celandine, Wood Poppy

Tenhaven: Present in the 1970s, 4-14-2001. Heavily deer browsed but it recovered. In 2017 several seedlings were noted away from the main clump. CoC=10, Native

Penthoraceae

Penthorum sedoides

Ditch Stonecrop

Tenhaven: On 1974 list, hundreds appeared when Dragonfly Pond was excavated. Still occurs around pond. Cummingston: Crawfish Pond 9-30-2017, 9-8-2018. CoC=3, Native

Phrymaceae

Mimulus ringens

Monkey-flower

Tenhaven: 7-29-2006, still present around pond. CoC=5, Native

Phryma leptostachya

Lopseed

Tenhaven: On 1974 list. CoC=4, Native

Phytolaccaceae

Phytolacca americana

Pokeweed, Poke, Inkberry

Tenhaven: On 1974 list, and still in park (2017). Cummingston: 7-21-2003, 10-11-2015, 9-30-2017 in meadow. CoC=2, Native

Platanaceae

Platanus occidentalis

Sycamore

Tenhaven: On 1974 list, two trees still present in the park. Cummingston: Noted 9-2-2002 in northeast corner outside of fence. Two trees still present but they might have seeded in from plantings. CoC=7, Native

Plantaginaceae

Antirrhinum majus

Snapdragon

Cummingston: 9-30-2017 in meadow, perhaps discarded garden plants. Non-native

Chelone glabra

White Turtlehead

Tenhaven: 8-23-2006, still present. CoC=7, Native

Penstemon digitalis

Foxglove Beard-tongue

Cummingston: On 1974 list, 10-22-2000 in seed, 6-15-2018. CoC=2, Native

Plantago lanceolata

English Plantain

On 1974 list for both parks and still found in both parks. Non-native

P. major

Common Plantain

On 1974 list for both parks and still found in both parks. Non-native

P. rugelii Pale Plantain, Red-stalked Plantain
Tenhave: Noted by D. Drife in 1976, 8-2-2003, 7-19-2006. CoC=0, Native

Veronica officinalis Common Speedwell
Cunnington: 5-17-2003. Non-native

Polemoniaceae

Phlox paniculata Garden Phlox
Tenhave: On 1974 list. Non-native

Polygonaceae

Fallopia scandens False Buckwheat, Black-bindweed
Cunnington: 9-3-2017, 9-8-2018, CoC=2, Native

Persicaria lapathifolia Nodding Smartweed, Pale Smartweed
Cunnington: On 1974 list. Tenhave: Near Dragonfly Pond 6-25-2006. In some wildflower books as *Polygonum lapathifolium*. CoC=0, Native

P. maculosa Lady's-thumb
On 1974 list for both parks. Cunningham: 7-21-2003 near Crawfish Pond and 9-30-2017 in meadow. In some wildflower books as *Polygonum persicaria*. Non-native

P. pensylvanica Pinkweed, Bigseed Smartweed,
Pennsylvania Smartweed
On 1974 list for both parks. Tenhave, near Dragonfly Pond On 8-26-2006. Growing with Nodding Smartweed. In some wildflower books as *Polygonum pensylvanica*. CoC=0, Native

P. virginiana Jumpseed, Virginia Knotweed
On 1974 list for both parks and still found in both parks. In some wildflower books as *Polygonum virginianum* or, *Tovara virginianum*, or *Antenoron virginianum*. CoC=4, Native

Polygonum aviculare Knotweed
Tenhave: Edge of Dragonfly Pond 7-12-2006, 9-8-2018 meadow. Non-native

Rumex crispus Curly Dock, Sour Dock
On 1974 list for both parks and still present. Non-native

Portulacaceae

Portulaca oleracea Purslane, Pusley
Tenhave: On 1974 list, 8-23-2006. Cunningham: noted fruiting in meadow 9-30-2017. CoC=0, Native

Ranunculaceae

Actaea pachypoda White Baneberry, Doll's-eyes
Tenhave: On 1974 list and still present (2017). CoC=7, Native

Anemone quinquefolia Wood Anemone
Currently present in both parks (2017). CoC=5, Native

Aquilegia canadensis Wild Columbine
Cummings: On 1974 list. CoC=5, Native

Hepatica acutiloba Sharp-lobed Hepatica
Cummings: in D. Drife's notes for 4-14-1976. Color slide by R. Muller 1976. CoC=8, Native

H. americana Round-lobed Hepatica
On 1974 list for both parks. CoC=6, Native

Ranunculus abortivus Small-flowered Buttercup,
Kidney-leaf Buttercup
Cummings: On 1974 list, currently found around Crawfish Pond (2017). Tenhave: currently around Dragonfly Pond (2017). CoC=0, Native

R. fascicularis Early Buttercup
Cummings: in D. Drife's notes for 5-17-1980, currently found around Crawfish Pond (2017). CoC=10, Native

R. hispidus Swamp Buttercup
Cummings: On 1974 list, 5-10-2014. Tenhave: On 1974 list, 5-26-2003 at Dragonfly Pond before excavation. CoC=5, Native

R. recurvatus Hooked Crowfoot
Tenhave: Noted 6-6-2003 at Dragonfly Pond before excavation. CoC=5, Native

R. sceleratus Cursed Crowfoot
Tenhave: Currently at Dragonfly Pond (2017). Cummings: currently at Crawfish Pond (2017). CoC=1, Native

Thalictrum dioicum Early Meadow-rue
On 1974 list for both parks. Currently found in Tenhave (2017). CoC=6, Native

Rhamnaceae

Frangula alnus Glossy Buckthorn
Cummings: First noted in 1975. Tenhave: First noted 10-22-2000. Still present in both parks despite efforts to eradicate it. Non-native

Rhamnus cathartica Common Buckthorn
Cummings: On 1974 list. Tenhave: First noted 10-22-2000. Still present in both parks despite efforts to eradicate it. Non-native

Rosaceae

Agrimonia gryposepala

Tall Agrimony

Tenhave: 7-2-1976, 7-29-2006, 7-13-2013. Cummingston: 7-02-2001. CoC=2, Native

Amelanchier (spp.)

Juneberry

Tenhave: On 1974 list, 1-7-2001. Cummingston: On 1974 list, 4-20-2006 in northwestern corner. Native

Crataegus macrosperma?

Hawthorn

Tenhave: 5-11-2002 flowering, 9-27-2002 fruiting. CoC=5, Native

C. punctata

Dotted Hawthorn

Tenhave: 5-11-2002 flowering 9-27-2002 fruiting. Cummingston: 5-11-2002 flowering. CoC=1, Native

Dasiphora fruticosa

Shrubby Cinquefoil

Cummingston: On 1974 list, probably a discarded landscape plant that was dumped in the meadow. A native species but not likely native in the park.

Fragaria virginiana

Wild Strawberry

Cummingston: On 1974 list, 4-29-2000, 5-11-2002, 5-17-2003, 5-24-2006 fruiting, still at edges of old ball field. Tenhave: On 1974 list, 5-4-2004. CoC=2, Native

Geum aleppicum

Yellow Avens

Cummingston: 5-20-2001, 7-4-2016, 7-1-2017. Tenhave: 5-20-2001, 6-8-2002, 8-16-2003, 6-5-2004. CoC=3, Native

G. canadense

White Avens

Tenhave: On 1974 list, 6-4-2004. Cummingston: 7-2-2001, 6-24-2006. CoC=1, Native

Malus coronaria

Wild Crab, American Crab, Sweet Crab

Cummingston: On 1974 list, 10-15-2006 fruiting (near center of fenced area). Tenhave: On 1974 list, 10-20-2006 fruiting. CoC=4, Native

M. pumila

Apple

Tenhave: On 1974 list, 8-19-2009 (seen along the north fence near the middle of the park and two trees along Swamp Trail). Cummingston: 1-6-2001. Non-native

Potentilla norvegica

Rough Cinquefoil

Cummingston: 6-17-2003. CoC=0, Native

P. recta

Rough-fruited Cinquefoil

On 1974 list for both parks. Non-native

P. simplex Common Cinquefoil
 Cummingston: On 1974 list, 5-17-1980, 8-18-2004. Tenhave: On 1974 list, 7-17-2007. CoC=2, Native

Prunus avium Sweet Cherry
 Tenhave: 5-2-2009 flowering tree growing through fence just west of the east Normandy turnstile, 8-12-2009 along east fence where Sunnybrook Road dead-ends. Non-native

P. nigra Canada Plum
 Cummingston: On 1974 list, 4-29-2001, still along ditch from pond. Tenhave: On 1974 list, 8-12-2009 south of pond. CoC=4, Native

P. pensylvanica Pin Cherry, Fire Cherry
 Tenhave: On 1974 list but not noted since. CoC=3, Native

P. serotina Wild Black Cherry
 On 1974 list for both parks and still present. Currently only saplings are known from Cummingston. CoC= 2, Native

P. virginiana Choke Cherry
 On 1974 list for both parks and still present. CoC= 2, Native

Pyrus calleryana Bradford Pear, Callery Pear
 Cummingston: 7-1-2017. Tenhave: 7-17-2016. Non-native

Rhodotypos scandens Jetbead
 Tenhave: 6-6-2003 along east fence. Still in park despite attempts to remove it. Non-native

Rosa multiflora Multiflora Rose
 On 1974 list for both parks and still present in both despite attempts to remove this highly invasive species. Non-native

Rubus allegheniensis Common Blackberry
 On 1974 list for both parks and still present. CoC=1, Native

R. occidentalis Black Raspberry
 On 1974 list for both parks and still present. CoC=1, Native

R. strigosus Wild Red Raspberry
 On 1974 list for both parks and still present. CoC=2, Native

Sorbus aucuparia European Mountain Ash
 Cummingston: On 1974 list. Tenhave: On 1974 list, Non-flowering plant noted 9-14-2002. Non-native

Spiraea alba Meadowsweet
Tenhave: On 1974 list (it grew near the pond) not seen since. CoC=4, Native

Rubiaceae

Galium aparine Cleavers, Gooseweed, Annual Bedstraw
Tenhave: On 1974 list, 5-29-2018. CoC=0, Native

G. boreale Northern Bedstraw
Tenhave: On 1974 list. CoC=3, Native

Rutaceae

Zanthoxylum americanum Prickly-ash
On 1974 list for both parks and still present. Not a true ash so the Emerald Ash Borer does not harm it. CoC=3, Native

Salicaceae

Populus deltoides Eastern Cottonwood
Cummington: On 1974 list, 10-22-2000. Tenhave: On 1974 list, currently (2017) grows at Dragonfly Pond and elsewhere. CoC=1, Native

P. grandidentata Large-tooth Aspen, Big-tooth Aspen
Tenhave: On 1974 list, currently (2017) grows along Sassafras Trail. CoC=4, Native

P. tremuloides Quaking Aspen, Small-tooth Aspen
Cummington: On 1974 list, 5-17-1980. Tenhave: On 1974 list. Not currently known from either park. A native stand still occurs in the Royal Oak Arboretum. CoC=1, Native

Salix euxina Brittle Willow, Crack Willow
Cummington: 4-29-2001, 5-11-2002. One medium size tree at entrance to park was cut down 2009. Tenhave: 5-03-2005, 7-7-2012, 4-29-2017 at Dragonfly Pond. Non-native

Salix sp. Shrub Willow
On 1974 list for both parks. One shrub found in southeastern corner of Tenhave 6-12-2002.

Sapindaceae

Acer negundo Box-elder, Ash-leaved Maple
On 1974 list for both parks and still present. CoC=0, Native

A. nigrum Black Maple
Black Maple might only be a well-marked form of the Sugar Maple. It was accepted in the Michigan Flora website “with trepidation.” Tenhave: Reported in a 1971 study completed by students from University of Michigan, Dearborn. Cummington: A classic Black Maple was found 7-27-2014 approximately 500 feet east of the meadow area. CoC=4, Native

A. platanoides Norway Maple
First noted in both parks in 2000 and still present despite our efforts to eradicate it. Non-native

A. rubrum Red Maple
On 1974 list for both parks and still present. CoC=1, Native

A. saccharinum Silver Maple
On 1974 list for both parks and still present. CoC=2, Native

A. saccharum Sugar Maple
On 1974 list for both parks and still present. CoC=5, Native

Aesculus hippocastanum Horse-chestnut
Tenhave: On 1974 list, two trees noted 10-20-2001 one of them is still present. Non-native

Saxifragaceae

Mitella diphylla Miterwort, Bishop's-cap
Cummings: On 1974 list, 5-17-2000 east of fence. Tenhave: On 1974 list. CoC=8, Native

Tiarella cordifolia Foamflower
Cummings: Slide by R. Muller from 1970s. Tenhave: 5-20-2001, 4-22-2002, 5-19-2013.
CoC=9, Native

Scrophulariaceae

Verbascum thapsus Common Mullein, Flannel Plant
Cummings: On 1974 list, 9-30-2017. Tenhave: On 1974 list, 8-2-2003, 7-12-2006, 8-12-2009.
Non-native

Simaroubaceae

Ailanthus altissima Tree-of-heaven
Cummings: On 1974 list and still present. Tenhave: 7-29-2006 pulled up eight seedlings near pond. Non-native

Solanaceae

Datura quercifolia Chinese Thornapple
Cummings: 9-30-2017 Apparently in seedbank from birdseed along with Millet and Velvetleaf. Non-native

D. stramonium Jimson-weed
Tenhave: 8-26-2006 three plants near pond. Not seen since. Non-native

Physalis heterophylla Clammy Ground-cherry
Tenhave: 8-15-2006 several plants near pond. CoC=3, Native

Solanum dulcamara Woody Nightshade, Bittersweet Nightshade
On 1974 list for both parks and still present. Non-native

S. lycopersicum Tomato
Cummington: Two plants first seen in meadow on 10-22-2000 next to a McDonald's carton. Fruited 2001 & 2002. Last seen in 2003 when no mature fruit was noted. Non-native

S. ptychanthum Black Nightshade
Tenhaven: 9-14-2002, 6-30-2006. Cummington: 7-21-2003, 8-16-2003, 7-1-2017, 9-30-2017, 9-8-2018. Non-native

Staphyleaceae

Staphylea trifolia Bladdernut
Cummington: Noted by D. Drife in June of 1975, R. Muller has color slide dated 1975. Not seen since. CoC=9, Native

Theophrastaceae

Samolus parviflorus Water-pimpernel
Cummington: 7-2-2011 five plants by pond. CoC=5, Native

Ulmaceae

Ulmus americana American Elm, White Elm
On 1974 list for both parks and still found in both parks. This was an important tree species in Cummington and also in the swamp forest in Tenhaven until the 1960s when Dutch elm disease killed most mature trees. CoC=1, Native

U. pumila Siberian Elm
Tenhaven: On 1974 list, several trees were removed in 2013 as part of the effort to control invasive species. Cummington's only tree was removed in 2013. Non-native

U. rubra Slippery Elm, Red Elm
On 1974 list for both parks and still present (2017). CoC=2, Native

Urticaceae

Boehmeria cylindrica False Nettle
On 1974 list for both parks and still present (2017). CoC=5, Native

Laportea canadensis Wood Nettle
On 1974 list for both parks and still present (2017). CoC=4, Native

Pilea sp. Clearweed
On 1974 list for both parks and still found in Tenhaven (2017). Native

Urtica dioica Stinging Nettle
On 1974 list for both parks. Tenhaven: 7-13-2013. CoC=1, Native

Verbenaceae

Verbena hastata Blue Vervain
Cummington: On 1974 list and still present. Tenhaven: 7-12-2006, 7-17-2007. CoC=4, Native

V. urticifolia White Vervain
Cummingston: 8-16-2003, 8-15,2006, 9-30-2017,7-17-2018. CoC=4, Native

Violaceae

Viola labradorica Dog Violet
Tenhave: On 1976 list. In some wildflower as *Viola conspersa*. CoC=3, Native

V. pubescens Yellow Violet
Cummingston: On 1974 list, 5-10-2014. Tenhave: On 1974 and still in park. CoC=4, Native

V. rostrata Long Spurred Violet
Cummingston: On 1974 list, 5-17-1980. Tenhave: On 1974 list and still present. CoC=6, Native

V. sororia Common Blue Violet
On 1974 list for both parks and still present (2018). Cummingston: 5-10-2014. Our stemless blue violets are variable in hairiness and leaf shape. They need further study. CoC=1, Native

Vitaceae

Parthenocissus inserta Thicket Creeper
On 1974 list for both parks and still present (2017). CoC=4, Native

P. quinquefolia Virginia Creeper
First noted 6-7-2003 in both parks and still found in both (2017). CoC=5, Native

P. tricuspidata Boston-Ivy
Cummingston: 8-22-2003 a single plant with 22 leaves was found and removed. Not seen since.
Non-native

Vitis riparia River-bank Grape
On 1974 list for both parks and still present (2017). CoC=3, Native

Excluded Species

Mitchella repens Partridge-berry
On 1974 list for Cummingston but the record was based on a slide of Wintercreeper.

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