

Naturalized Callery Pear (*Pyrus calleryana* Decne.) in Illinois

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ABSTRACT

The ornamental Callery pear (*Pyrus calleryana* Decne.) is reported as a naturalized species in 66 of Illinois' 102 counties. In Lake of the Woods Forest Preserve in Champaign County, dense Callery pear thickets include individuals that range from seedlings to mature trees 20 cm in diameter at breast height. This plant has the potential to become a serious invasive pest in Illinois grasslands and open woodlands.

INTRODUCTION

Callery pear (*Pyrus calleryana* Decne., $2N = 34$, Rosaceae), a small tree native to Korea and China, has been widely planted as an ornamental throughout Illinois and most of the United States. This taxon was introduced into America in the early 1900s for use along streets in cities and residential areas. Its attractive white flowers and relatively small size make it ideal for these areas. The "Bradford" cultivar was originally considered sterile, and it has been widely planted even though its limbs are susceptible to wind and ice damage.

Wild, reproducing individuals of Callery pear have been known from Lake of the Woods Forest Preserve near Mahomet in Champaign County, Illinois for more than a decade. Although Callery pear has been reported as naturalized from Du Page County, Illinois, this plant has not been considered a serious invasive plant pest in Illinois (Swink and Wilhelm 1994, Mohlenbrock 2002).

METHODS

Field searches were conducted at Lake of the Woods Forest Preserve in Champaign County, Illinois to locate naturalized individuals of Callery pear. Notes were taken on population size, individual size, fruit production, and seedling survival. Naturalized Callery pears were also sought during a drive-through survey of counties throughout the state.

Naturalized, wild-growing trees were distinguished from planted ones on the basis of their location, habitat, and growth form. If a plant showed no evidence or likelihood of being planted or tended, then it was considered to be naturalized. Nursery-grown trees

have trunks that are free of branches for a meter or more above the ground, but spontaneous individuals have branches close to the ground. In contrast to cultivated specimens, wild Callery pears tend to have a more open branching pattern, and they often are much more heavily armed with thorny spur shoots. Most of the naturalized specimens in Illinois have become established by seed, but the species sometimes spreads by sprouting from roots. The species also readily re-sprouts when it is cut. Sprouts growing from the base of a planted tree were not considered to be evidence of naturalization, but sprouts that appeared to be growing independently of any planted tree were counted as naturalized.

Voucher specimens were deposited in the Stover–Ebinger Herbarium at Eastern Illinois University (EIU). Literature searches were conducted to determine the status of this plant in Illinois and other states. Nomenclature follows Mohlenbrock (2002).

RESULTS AND DISCUSSION

Several individuals of Callery pear were reported as naturalized in Hidden Lake Forest Preserve in Du Page County, Illinois by Swink and Wilhelm (1994). These plants were growing in a disturbed area with Amur honeysuckle (*Lonicera maackii* [Rupr.] Maxim.), multiflora rose (*Rosa multiflora* Thunb.), common buckthorn (*Rhamnus cathartica* L.), black raspberry (*Rubus occidentalis* L.), and riverbank grape (*Vitis riparia* Michx.). This was the only reported location for the species in the Chicago region.

Searches in old fields at Lake of the Woods Forest Preserve near Mahomet in Champaign County, Illinois revealed thousands of individuals of Callery pear, ranging from very small seedlings to mature trees 9 m tall and 20 cm in diameter at breast height. Callery pear formed dense, impenetrable thickets whose individuals contained many thorn-like spur branches. Trees 2 m or more in height were laden with fruit.

The majority of these specimens were in an old field north of the west entrance road for Lake of the Woods Forest Preserve. A 0.5-km segment of this road was lined with 58 mature Callery pears, the oldest of which were planted in the mid-1960s; these must have served as the source of the invasion. The herbaceous vegetation of the old field was dominated by common fescue (*Festuca pratensis* Huds.) and Canada goldenrod (*Solidago canadensis* L.). Scattered individuals of white oak (*Quercus alba* L.), red oak (*Q. rubra* L.), shingle oak (*Q. imbricaria* Michx.), white ash (*Fraxinus americana* L.), and wild black cherry (*Prunus serotina* Ehrh.) were present. Naturalized Callery pears occurred elsewhere in the preserve, as far as 1.5 km from the west entrance road; these trees may have spread from other plantings in and around the preserve.

Callery pear is now a well-established member of the Illinois flora. Naturalized plants are most abundant in lawns and flowerbeds close to planted parent trees, but the seeds can be dispersed great distances by birds. Reproductive populations have become established in grassy areas, open woods, fencerows, and forest edges far from planted stock. Some plants spread by root suckers (sprouts), forming clonal thickets reminiscent of gray dogwood (*Cornus racemosa* Lam.) and white poplar (*Populus alba* L.).

The species has also been reported as naturalized in North Carolina (Nesom 2000). Vincent (2005) has reported escaped populations in 25 states and the District of Columbia.

This plant has the potential to become a major plant pest in Illinois and much of the United States.

The four specimens listed below are deposited in the Stover–Ebinger Herbarium, Eastern Illinois University, Charleston, Illinois (EIU). The collecting location is in Champaign County, Illinois at Lake of the Woods Forest Preserve, NE edge of Mahomet, Illinois, SE 1/4 section 10, T20N, R7E. Specimens were collected on October 25, 2003.

J.E. Ebinger & W.E. McClain #31539. Tree 11 m tall planted at edge of preserve road (1 of 58 planted individuals along road).

J.E. Ebinger & W.E. McClain #31542. Seedling under tree in Callery pear thicket in old field.

J.E. Ebinger & W.E. McClain #31544. Tree 8 m tall in Callery pear thicket in old field.

J.E. Ebinger & W.E. McClain #31546. Tree 8 m tall in prairie restoration.

The following other records are documented by vouchers at EIU. These are in addition to the Champaign County collections listed above, and the Du Page County record previously reported in the literature:

Bond County: John White #2004-67, October 22, 2004. NW 1/4 NW 1/4 section 2, T5N, R2W, in Royal Lake Resort. Fruiting tree 4 m tall in an abandoned field, with no planted *Pyrus calleryana* trees in the immediate vicinity. Associates: *Festuca pratensis*, *Cirsium discolor* Muhl. (Spreng.), *Tridens flavus* (L.) Hitchc., *Solidago canadensis*.

Boone County: John White #2004-23, May 12, 2004. SE 1/4 SE 1/4 section 26, T44N, R3E, in Belvidere. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree. Associates: *Taraxacum officinale* Weber, *Poa pratensis* L.

Bureau County: John White #2004-35, May 18, 2004. NW 1/4 SE 1/4 section 16, T16N, R9E, in Princeton. Sprout 0.5 m tall at the edge of a lawn next to a planted, fruiting *Pyrus calleryana* tree. Associate: *Poa pratensis*.

Carroll County: John White #2004-36, May 24, 2004. NE 1/4 NW 1/4 section 25, T25N, R7E, in Shannon. Seedling in wood-chip mulch beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 4 seedlings.

Cass County: John White #2004-54, July 18, 2004. SW 1/4 NE 1/4 section 15, T18N, R12W, in Beardstown. Seedling in a flowerbed beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 8 seedlings. Associates: *Taraxacum officinale*, *Euonymus fortunei* (Turcz.) Hand.-Mazz, *Celtis occidentalis* L.

Champaign County: John White #2004-43, June 4, 2004. NW 1/4 NE 1/4 section 25, T19N, R8E, in Savoy. Fruiting tree 5 m tall in a weedy prairie remnant; part of a wild population of *Pyrus calleryana* along 0.9 km of railroad right-of-way, including at least 21 plants less than 1 m tall, 22 plants 1 to 2 m tall, and 141 plants taller than 2 m. Associates: *Poa pratensis*, *Oligoneuron rigidum* (L.) Small, *Solidago canadensis*, *Daucus carota* L.

Christian County: John White #2004-50, June 21, 2004. NE 1/4 NE 1/4 section 21, T11N, R1E, in Pana. Seedling in a crack in a street curb beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 6 seedlings. Associates: *Oxalis stricta* L., *Poa pratensis*, *Taraxacum officinale*.

Clark County: John White #2004-26, May 15, 2004. NW 1/4 NE 1/4 section 12, T11N, R12W, 1.2 km N of Marshall. Sapling 0.4 m tall in a flowerbed next to a planted, fruiting *Pyrus calleryana* tree; 1 of approximately 20 seedlings and saplings. Associates: *Chenopodium album* L., *Galium aparine* L., *Lamium amplexicaule* L.

Coles County: John White #2004-51, June 21, 2004. NE 1/4 SW 1/4 section 20, T12N, R7E, 3 km W of Mattoon. Sapling 0.6 m tall in a flowerbed at a golf course that has many planted, fruiting *Pyrus calleryana* trees. Associates: *Hedera helix* L., *Poa pratensis*, *Lamium amplexicaule*.

Cook County: John White #2004-52, July 1, 2004. SW 1/4 SW 1/4 section 23, T42N, R12E, in Glenview. Sterile tree 2.3 m tall on the bank of a ditch (West Fork of the North Branch of the Chicago River), with no planted *Pyrus calleryana* trees in the immediate vicinity. Associates: *Bromus inermis* Leys., *Populus deltoides* Marsh.

Crawford County: John White #2004-27, May 15, 2004. NE 1/4 SE 1/4 section 34, T7N, R12W, in Robinson. Sprout 1 m tall, growing from the stump of a volunteer tree that had been cut down in a vacant city lot. Associates: *Poa pratensis*, *Medicago lupulina* L., *Trifolium repens* L.

Cumberland County: John White #2004-66, August 20, 2004. SE 1/4 SE 1/4 section 7, T10N, R7E, in Neoga. Seedling in a lawn that has a planted, fruiting *Pyrus calleryana* tree. Associates: *Poa pratensis*, *Festuca pratensis*, *Plantago rugelii* Decne.

De Witt County: John White #2004-30, May 18, 2004. NW 1/4 NE 1/4 section 34, T20N, R2E, in Clinton. Seedling in the stairwell of a building on the city square, where several *Pyrus calleryana* trees have been planted. Associates: *Commelina communis* L., *Smilax tamnoides* L. var. *hispida* (Muhl.) Fern.

Douglas County: John White #2004-29, May 18, 2004. NW 1/4 NE 1/4 section 2, T15N, R8E, in Tuscola. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree. Associates: *Poa pratensis*, *Stellaria media* (L.) Cyrillo, *Oxalis stricta*.

Edgar County: John White #2004-25, May 15, 2004. SE 1/4 SW 1/4 section 25, T14N, R12W, in Paris. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree. Associates: *Poa pratensis*, *Plantago rugelii*, *Trifolium repens*.

Effingham County: John White #2004-60, August 15, 2004. SE 1/4 SE 1/4 section 20, T8N, R6E, in Effingham. Sapling 0.7 m tall in a weedy strip between two parking lots, 2 to 11 m from 2 planted, fruiting *Pyrus calleryana* trees; 1 of 4 saplings. Associates: *Lactuca saligna* L., *Daucus carota*, *Chenopodium album*, *Eragrostis pectinacea* (Michx.) Nees.

Fayette County: John White #2004-61, August 15, 2004. NW 1/4 SW 1/4 section 16, T6N, R1E, in Vandalia. Sprout 0.9 m tall in an infrequently mowed strip beside a parking lot, next to a planted, fruiting *Pyrus calleryana* tree. Associate: *Medicago lupulina*.

Ford County: John White #2004-42, May 25, 2004. NW 1/4 NW 1/4 section 35, T25N, R7E, in Sibley. Seedling in a crack in a concrete stairway along a street that has several planted, fruiting *Pyrus calleryana* trees; 1 of 3 seedlings. Associates: *Conyza canadensis* (L.) Cronq., *Taraxacum officinale*.

Franklin County: John White #2004-8, April 23, 2004. SE 1/4 NE 1/4 section 19, T5S, R3E, 4 km N of Benton. Fruiting tree 8 m tall in an abandoned field, with no planted *Pyrus calleryana* trees in the immediate vicinity; 1 of several large, reproductive individuals. Associates: *Festuca pratensis*, *Elaeagnus umbellata* Thunb., *Lonicera japonica* Thunb.

Fulton County: John White #2004-57, August 13, 2004. SE 1/4 SW 1/4 section 22, T5N, R3E, in Lewistown. Seedling in a lawn near a planted, fruiting *Pyrus calleryana* tree. Associate: *Poa pratensis*.

Greene County: John White #2004-46, June 21, 2004. SW 1/4 SW 1/4 section 25, T9N, R12W, 2 km W of Kane. Fruiting tree 7 m tall in a fenceline between a road and former pasture, with no planted *Pyrus calleryana* trees in the vicinity. Associates: *Festuca pratensis*, *Daucus carota*, *Prunus serotina*, *Maclura pomifera* (Raf.) Schneider.

Jackson County: John White #2004-11, April 24, 2004. NE 1/4 NE 1/4 section 28, T8S, R2W, 1 km N of Murphysboro. Fruiting tree 5 m tall in an abandoned field; 1 of more than 100 individuals ranging from 1 to 7 m tall; a few of the largest trees appear to have been planted. Associates: *Andropogon virginicus* L., *Solidago canadensis*, *Elaeagnus umbellata*, *Liquidambar styraciflua* L.

Jefferson County: John White #2004-13, April 24, 2004. SE 1/4 SE 1/4 section 12, T4S, R1E, 2 km S of Waltonville. Fruiting tree 4 m tall beside a road at the edge of a coal strip-mine; 1 of 2 trees, neither of which was planted. Associates: *Festuca pratensis*, *Solidago canadensis*, *Lespedeza cuneata* (Dum.-Cors.) G. Don, *Juniperus virginiana* L., *Elaeagnus umbellata*, *Ulmus americana* L.

Jersey County: John White #2004-45, June 21, 2004. SW 1/4 SW 1/4 section 21, T8N, R11W, in Jerseyville. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 5 seedlings. Associates: *Poa pratensis*, *Oxalis stricta*, *Plantago lanceolata* L., *Plantago rugelii*.

Jo Daviess County: John White #2004-21, May 8, 2004. NW 1/4 NE 1/4 section 11, T27N, R4E, in Stockton. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 3 seedlings. Associates: *Poa pratensis*, *Taraxacum officinale*.

Johnson County: John White #2004-64, August 20, 2004. NW 1/4 SE 1/4 section 4, T13S, R3E, in Vienna. Seedling in shredded bark mulch beneath a planted, fruiting *Pyrus calleryana* tree. Associate: *Prunus serotina*.

Kane County: John White #2004-7, April 22, 2004. NE 1/4 SW 1/4 section 13, T42N, R6E, 2 km ENE of Hampshire. Flowering tree 3 m tall in an abandoned field, about 1 km from a nursery that has many planted *Pyrus calleryana* trees. Associates: *Bromus inermis*, *Lonicera maackii*, *Rosa multiflora*, *Rhamnus cathartica*.

Knox County: John White #2004-59, August 13, 2004. SE 1/4 NE 1/4 section 29, T11N, R2E, in Knoxville. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree. Associate: *Poa pratensis*.

La Salle County: John White #2004-5, April 20, 2004. NE 1/4 NW 1/4 section 26, T32N, R1E, at the W edge of Tonica. Sprout 1 m tall growing from the snag of a mature tree that had been cut down in a fencerow; 1 of 6 adventive trees along 100 m of fenceline bordering a nursery that has many planted and adventive *Pyrus calleryana* trees. Associates: *Bromus inermis*, *Melilotus alba* Medic., *Asclepias syriaca* L.

Lawrence County: John White #2004-28, May 15, 2004. SE 1/4 SW 1/4 section 36, T4N, R12W, in Lawrenceville. Sapling 0.7 m tall in an untended corner of a cemetery that has many planted, fruiting *Pyrus calleryana* trees. Associates: *Toxicodendron radicans* (L.) Kuntze, *Poa pratensis*, *Glechoma hederacea* L.

Lee County: John White #2004-38, May 25, 2004. NE 1/4 NW 1/4 section 29, T22N, R9E, in Dixon. Sapling 0.8 m tall along a road bordering a golf course that has many planted *Pyrus calleryana* trees; 1 of 2 saplings. Associates: *Alliaria petiolata* (Bieb.) Cavara & Grande, *Toxicodendron radicans*, *Parthenocissus quinquefolia* (L.) Planch., *Urtica gracilis* Ait.

Livingston County: John White #2004-41, May 25, 2004. NE 1/4 NW 1/4 section 27, T28N, R5E, in Pontiac. Seedling in the gravel mulch of an ornamental border that has planted, fruiting *Pyrus calleryana* trees.

Logan County: John White #2004-31, May 18, 2004. NW 1/4 NW 1/4 section 32, T20N, R2W, in Lincoln. Sprout 1 m tall from a tree that had been broken off in the bed of a ditch. Associates: *Ambrosia artemisiifolia* L., *Medicago lupulina*, *Plantago lanceolata*.

McHenry County: John White #2004-16, May 4, 2004. NW 1/4 SE 1/4 section 21, T43N, R6E, 5.2 km S of Union. Sprout 0.4 m tall in the mowed part of an old tree nursery, within 50 m of dozens of old, planted *Pyrus calleryana* trees. Associate: *Bromus inermis*.

McLean County: John White #2004-3, April 20, 2004. NE 1/4 SW 1/4 section 17, T24N, R2E, at the N edge of Normal. Flowering tree 3 m tall in a fallow area in a highway interchange; 1 of 2 *Pyrus calleryana* trees that are obviously adventive among several others that were planted. Associates: *Bromus inermis*, *Solidago canadensis*, *Securigera varia* (L.) Lassen.

Macon County: John White #2004-2, April 13, 2004. SW 1/4 SW 1/4 section 24, T17N, R2E, 5.7 km SW of Oreana. Flowering tree 3 m tall in a brushy highway right-of-way; 1 of hundreds of adventive *Pyrus calleryana* plants of all size classes along a 1.2-km stretch of highway, spread from trees that were planted in the immediate vicinity. Associates: *Bromus inermis*, *Elaeagnus umbellata*, *Prunus serotina*.

Macoupin County: John White #2004-47, June 21, 2004. SW 1/4 NE 1/4 section 28, T10N, R7W, in Carlinville. Seedling in gravel mulch next to a building near a row of planted, fruiting *Pyrus calleryana* trees; 1 of 6 seedlings. Associate: *Portulaca oleracea* L.

Madison County: John White #2004-44, June 21, 2004. NW 1/4 NW 1/4 section 35, T6N, R10W, in Godfrey. Sterile, adventive tree 2.4 m tall next to a row of planted, fruiting *Pyrus calleryana* trees in a highway right-of-way. Associates: *Festuca pratensis*, *Lactuca serriola* L., *Calystegia sepium* (L.) R. Br.

Marion County: John White #2004-65, August 20, 2004. SW 1/4 NE 1/4 section 11, T2N, R2E, in Salem. Seedling in gravel mulch beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 3 seedlings. Associates: *Celtis occidentalis*, *Digitaria sanguinalis* (L.) Scop., *Chamaesyce prostrata* (Ait.) Small.

Marshall County: John White #2004-34, May 18, 2004. SE 1/4 NW 1/4 section 25, T30N, R3W, in Lacon. Seedling in an unmowed part of a lawn next to a planted, fruiting *Pyrus calleryana* tree. Associates: *Phalaris arundinacea* L., *Glechoma hederacea*, *Morus alba* L.

Mason County: John White #2004-53, July 18, 2004. SE 1/4 NE 1/4 section 18, T20N, R9W, in Bath. Sprout 0.3 m tall in a mowed lawn at the edge of a cemetery that has several planted, mature *Pyrus calleryana* trees. Associates: *Poa pratensis*, *Leptoloma cognatum* (Schult.) Chase.

Massac County: John White #2004-62, August 19, 2004. NE 1/4 NW 1/4 section 5, T16S, R5E, in Metropolis. Seedling in a lawn beneath a planted, fruiting *Pyrus calleryana* tree. Associates: *Poa pratensis*, *Taraxacum officinale*.

Menard County: John White #2004-57, August 13, 2004. NE 1/4 SW 1/4 section 14, T18N, R7W, in Petersburg. Seedling in a flowerbed that has several planted, fruiting *Pyrus calleryana* trees; 1 of more than 20 seedlings.

Monroe County: John White #2004-69, October 23, 2004. NE 1/4 NE 1/4 section 25, T2S, R10W, in Waterloo. Seedling in bare soil beneath a planted, fruiting *Pyrus calleryana* tree; 1 of 3 seedlings. Associates: *Prunus serotina*, *Celtis occidentalis*, *Morus alba*.

Montgomery County: John White #2004-48, June 21, 2004. SW 1/4 SW 1/4 section 32, T9N, R5W, in Litchfield. Sapling 1.1 m tall in an ornamental hedge next to a planted, fruiting *Pyrus calleryana* tree; 1 of more than 20 saplings. Associates: *Poa pratensis*, *Aster pilosus* Willd., *Lactuca serriola*.

Ogle County: John White #2004-37, May 25, 2004. SE 1/4 SE 1/4 section 27, T24N, R9E, in Mount Morris. Seedling in gravel along the foundation of a building, 11 m from a planted, fruiting *Pyrus calleryana* tree. Associate: None.

Peoria County: John White #2004-33, May 18, 2004. SE 1/4 NE 1/4 section 9, T8N, R8E, in Peoria. Fruiting tree 4 m tall on the bank of the Illinois River, next to a park that has many planted *Pyrus calleryana* trees. Associates: *Acer saccharinum* L., *Ulmus pumila* L.

Perry County: John White #2004-12, April 24, 2004. SW 1/4 NE 1/4 section 34, T6S, R2W, 5 km SW of DuQuoin. Fruiting tree 4 m tall in a thicket at the edge of a cemetery in a coal strip-mine; 1 of 2 trees, neither of which was planted. Associates: *Elaeagnus umbellata*, *Rubus allegheniensis* Porter, *Lonicera japonica*, *Sassafras albidum* (Nutt.) Nees, *Quercus imbricaria*.

Piatt County: John White #2004-1, April 13, 2004. NW 1/4 NW 1/4 section 6, T18N, R6E, 2 km N of Monticello. Flowering tree 4 m tall in a fenceline bordering a highway right-of-way, near planted, mature *Pyrus calleryana* trees. Associates: *Bromus inermis*, *Solidago canadensis*, *Melilotus alba*.

Pope County: John White #2004-63, August 20, 2004. SW 1/4 SW 1/4 section 19, T13S, R7E, in Golconda. Sprout in a flower bed surrounding a planted, fruiting *Pyrus calleryana* tree; 1 of more than 200 sprouts and seedlings. Associates: *Celtis occidentalis*, *Ulmus americana*.

Randolph County: John White #2004-70, October 23, 2004. NW 1/4 SW 1/4 section 19, T7S, R6W, in Chester. Seedling in a lawn near a *Pyrus calleryana* tree; 1 of 4 seedlings. Associates: *Poa pratensis*, *Trifolium repens*, *Taraxacum officinale*.

St. Clair County: John White #2004-68, October 23, 2004. NE 1/4 NW 1/4 section 11, T1S, R9W, 1 km ENE of Millstadt. Fruiting tree 4 m tall in a roadside fencerow, across a highway from a planted *Pyrus calleryana* tree. Associates: *Juglans nigra* L., *Helianthus divaricatus* L., *Cornus racemosa*.

Sangamon County: John White #2004-56, August 12, 2004. NE 1/4 SW 1/4 section 28, T15N, R5W, 8.5 km SSW of the center of Springfield. Fruiting tree 3 m tall in a 0.5-hectare abandoned field; 1 of 6 mature trees and several saplings, none of which appears to have been planted. Associates: *Poa pratensis*, *Solidago canadensis*, *Elaeagnus umbellata*.

Scott County: John White #2004-55, July 18, 2004. NE 1/4 NW 1/4 section 5, T14N, R 13W, 1.6 km SW of Oxville. Sapling 1.3 m tall in a thicket at the edge of a lawn that has a planted, fruiting *Pyrus calleryana* tree. Associates: *Cercis canadensis* L., *Ulmus americana*, *Solidago canadensis*, *Poa pratensis*.

Shelby County: John White #2004-49, June 21, 2004. NE 1/4 NE 1/4 section 13, T11N, R3E, in Shelbyville. Seedling in gravel mulch bordering a parking lot, near a row of planted, fruiting *Pyrus calleryana* trees; 1 of 4 seedlings. Associates: *Lindernia dubia* (L.) Pennell, *Chamaesyce maculata* (L.) Small, *Digitaria sanguinalis*.

Stark County: John White #2004-40, May 25, 2004. NE 1/4 NW 1/4 section 25, T14N, R7E, in Bradford. Sprout 0.4 m tall in a flowerbed next to a planted, fruiting *Pyrus calleryana* tree; 1 of 2 sprouts and approximately 10 seedlings. Associates: *Asclepias syriaca*, *Rubus occidentalis*, *Lactuca serriola*.

Stephenson County: John White #2004-22, May 10, 2004. NE 1/4 SW 1/4 section 6, T26N, R8E, in Freeport. Seedling in a flowerbed next to a planted, fruiting *Pyrus calleryana* tree. Associates: *Taraxacum officinale*, *Polygonum arenastrum* Boreau.

Tazewell County: John White #2004-32, May 18, 2004. SW 1/4 NE 1/4 section 20, T25N, R3W, in Morton. Seedling in a crack in the pavement of a parking lot next to a planted, fruiting *Pyrus calleryana* tree; 1 of 4 seedlings. Associate: None.

Union County: John White #2004-10, April 24, 2004. NE 1/4 SW 1/4 section 20, T12S, R1W, in Anna. Seedling in a weedy area between a parking lot and a building, next to a planted, fruiting *Pyrus calleryana* tree. Associates: *Prunus serotina*, *Ulmus americana*.

Vermilion County: John White #2004-24, May 15, 2004. NE 1/4 NW 1/4 section 8, T19N, R12W, 3.1 km ENE of Oakwood. Sapling 1 m tall in a powerline right-of-way; 1 of 3 saplings within 8 to 10 m of a planted, fruiting *Pyrus calleryana* tree. Associates: *Festuca pratensis*, *Poa pratensis*, *Daucus carota*, *Carex blanda* Dewey.

Washington County: John White #2004-14, April 24, 2004. SW 1/4 NW 1/4 section 18, T1S, R2W, in New Minden. Sapling 0.7 m tall at the edge of a cemetery that has several planted, flowering *Pyrus calleryana* trees. Associates: *Poa pratensis*, *Juniperus virginiana*.

Whiteside County: John White #2004-39, May 25, 2004. NE 1/4 NE 1/4 section 28, T21N, R7E, in Sterling. Seedling in a crack between a sidewalk and a bridge abutment, next to a row of planted, fruiting *Pyrus calleryana* trees. Associate: *Parietaria pennsylvanica* Muhl.

Will County: John White #2004-15, May 4, 2004. NE 1/4 NW 1/4 section 6, T33N, R13E, 5.5 km SW of Monee. Flowering tree 6 m tall in a fencerow along a road, with no planted *Pyrus calleryana* trees in the immediate vicinity. Associates: *Prunus serotina*, *Toxicodendron radicans*, *Poa pratensis*.

Williamson County: John White #2004-9, April 23, 2004. NE 1/4 NE 1/4 section 19, T9S, R3E, in Marion. Seedling beneath a planted, fruiting *Pyrus calleryana* tree in a parking lot; 1 of 4 seedlings.

Winnebago County: John White #2004-6, April 22, 2004. SW 1/4 NW 1/4 section 9, T43N, R2E, at the S edge of Rockford. Flowering tree 4 m tall in a fallow area in a highway interchange, with no planted *Pyrus calleryana* trees in the immediate vicinity. Associates: *Bromus inermis*, *Ulmus pumila*, *Elaeagnus umbellata*, *Juniperus virginiana*.

Woodford County: John White #2004-4, April 20, 2004. SE 1/4 section 30, T26N, R2E, 1 km NW of Kappa. Sprout 0.6 m tall in a mowed highway right-of-way, 3 m from the nearest planted *Pyrus calleryana* tree; 1 of 2 sprouts. Associates: *Bromus inermis*, *Melilotus alba*.

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