

A FLORISTIC SURVEY OF HOUGHTON COLLEGE CAMPUS

by

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PREFACE

This project was suggested to me by Dr. James M. Wolfe, due to my deep interest in field botany. The only other project of this scale done in the area was by E. Elizabeth Cook, a Houghton College botany professor who published a survey of Moss Lake in 1973, and Dr. Wolfe felt that a more encompassing survey would be beneficial to the county and to Houghton College. I agreed to survey the campus in order to gain more experience in identifying local flora as well as conducting broad surveys. After completing the project, I have gained valuable experience in conducting in-depth surveys as well as having a better understanding of plant communities, the precision needed in plant identification, and care required in pressing. I have never worked so hard on one project in my life, and am proud of what I have accomplished.

I would like to acknowledge some people without whom this project would not have been completed. Dr. James Wolfe helped continually with the writing of this manuscript, locating relevant resources, and helped with the identification of some of the plants. I would also like to thank Dr. Aaron Sullivan and Robert B. Smalley for agreeing to be on the honors committee, as well as providing me with helpful insight into the completion of the manuscript. A special thanks goes to my family and friends, for their support and encouragement throughout the project.

ABSTRACT

The floristic survey of Houghton College campus conducted from April 2012 to April 2013 had three purposes. The first was to add to the floristic knowledge of Allegany County, which until now has been poorly documented. Second, the survey would explore the historical impacts of human development within the county and the Houghton campus over the last two centuries, in addition to citing the effects of glaciation on the area. Third, a baseline for future studies of succession and ecosystem change would be established by determining current plant communities for the campus. A total of 436 species and 88 families, including many ornamental plants, were collected and observed on campus. Of this there were 211 (48.4%) identified plants that were not listed for Allegany County on the USDA PLANTS Database, and there were 222 (50.9%) identified plants that were not listed for Allegany County on the NYS Flora Association website (Table 1). The floral communities present on campus are the result of a combination of the last Ice Age, historical human deforestation, and present-day disturbances. Rather than the northern hardwood forest community, which would have been the main plant community in the area if not for glaciation and anthropogenic factors, the main plant communities on campus include shallow emergent marshes, floodplain forests, Appalachian oak-pine forests, cropland/field crops, and brushy cleared land/waste places. Half of the species collected or observed were not recorded for Allegany County on online databases; although more work needs to be done to fully document the area, this survey provides historical background and current plant communities that provide a solid stepping stone for further research.

INTRODUCTION

Within the last two decades, the initiation of all taxa biodiversity inventories (ATBIs) has occurred in a variety of locations in both the U.S. and across the globe. The concept of cataloging all the species found in a location is credited to Daniel Janzen, working in the Guanacaste National Park in Costa Rica, and has now spread to include a variety of areas, both in pristine park ecosystems as well as more urbanized locations (Discover Life in America, 2012). While Janzen's original goal was to catalogue both threatened and rare species before they went extinct, ATBIs now additionally include providing baseline data for management, inventorying historically present species, and monitoring potentially invasive species. Due to the nature of carrying out an ATBI, these projects have served to involve local people in connecting them back to their "wild places" as well as providing grounds for environmental education. In addition, the rediscovery of local places has fostered research into natural history projects in more developed areas such as New York City (Sanderson, 2009) and Chicago (Greenberg, 2002).

ATBIs have not been completed due to the complexity of such a task, but are ongoing across the U.S. The largest and most extensive ATBI is currently being conducted in the Great Smoky Mountains National Park and has a program and website (Discover Life in America, 2012). Other ATBIs on federal lands as highlighted by the ATBI Alliance include those for Acadia National Park in Maine, Big Thicket National Preserve in Texas, the Boston Harbor Islands National Recreation Area in Massachusetts, the Canyon De Chelly National Monument in New Mexico, Mammoth Cave National Park in Kentucky, and Yellowstone National Park in Wyoming (All Taxa Biodiversity Inventory (ATBI) Alliance).

Other groups, including state agencies, have also initiated ATBIs on their properties. The state of Tennessee, drawing upon the example of the Great Smoky Mountains ATBI, has just begun similar ATBIs in their state parks. The Nantucket Biodiversity Initiative is working on that

offshore island. The Tomales Bay Biodiversity Partnership includes a variety of groups examining the species in the bay in California. The Pascagoula River Audubon Center has proposed an ATBI for their river in Mississippi. The Huron Mountain Club in Michigan just produced a list of fungi for that area (Woods 2011), as part of a series of papers essentially comprising an ATBI.

One of the largest areas now being involved in an ATBI is the Adirondack Park, which comprises one fifth the area of the state of New York. Due to its ecosystems and the geology and topography of the area, as well as the unique arrangement of public and private lands and centers of research (Huntington Wild Forest of ESF; the Wild Center), the Adirondack Park has made good progress in its ATBI including inventories of amphibians and various insect orders.

In contrast, the taxa of Allegany County are poorly known. Despite its status as the highest and most rural county in New York State outside of the Catskills and the Adirondacks (Wolfe 2012), very few studies have been done on ecosystems in Allegany County. The county is unique in New York State as well as in the eastern U.S. in that it encompasses three major watersheds (Genesee/St. Lawrence, Allegheny/Ohio/Mississippi, and the Canisteo/Susquehanna) which historically have served as routes for species migration. Some plant species have not been recorded in the state database for plants of Allegany County, even though they are known to exist (Wolfe, 2012). A few scattered records for floristic surveys in the western New York area typically are old and outdated. While a recent catalog of plants of Cattaraugus County (Eaton and Schrot, 1987) has been done, no such work has been completed for Allegany County. Elizabeth's Cook's (1973) study of Moss Lake mainly focuses on plants in the immediate vicinity of Moss Lake (roughly 100 acres).

The 1300-acre campus of Houghton College is among the largest, if not the largest of any Christian college (CCCU schools). More than half of the acreage (some 700 acres) of Houghton is wooded and encompasses a variety of ecosystems including mid-growth oak stands

and near old-growth hemlock stands as well as successional stands in various ages. Seep, riparian and wetland ecosystems are also found on campus on both 1st order and 4th order streams (e.g. Houghton Creek and the Genesee River). It is estimated that Houghton's campus may contain up to 500 vascular plant species (Eaton and Schrot 1987 listed 1300 species for Cattaraugus County) based upon area and diversity of habitats and ecosystems.

Houghton College campus is located in the hamlet of Houghton, in Allegany County, New York. Allegany County lies between 41° 59' 58" N and 42° 31' N latitude and between 77° 43' W and 78° 18' W longitude. The county is 1,050 square miles, and, based on economics and geographical position, is sometimes considered the northernmost county of the Appalachian region. It is located on the Allegheny Plateau, with an elevational range of 1387 feet and an average elevation of 1418 feet. Its highest point at 2548 feet (Alma Hill) is the highest point between the Adirondacks and Catskills to the east and the Rocky Mountains to the west (at similar latitude), and its minimum elevation of 1161 feet is the highest minimum elevation of all the counties in New York state (Wolfe, 2012). Allegany County also represents the headwaters of three major river systems. The southwestern part of the county is part of the Allegheny-Ohio system that joins the Mississippi, letting out in the Gulf of Mexico. The center of the county is drained by the Genesee and its tributaries, which empties into Lake Ontario and ultimately the North Atlantic. The eastern section of the county contributes to the Susquehanna River, which empties into Chesapeake Bay (Wolfe, 2012).

During the last ice age, Allegany County was covered by miles of ice (Genesee Country Magazine, 2008). The county was near the leading edge of the glacier, so when the glacier pulled back, material scraped from places farther north was deposited here. Glacial moraines, kettle lakes, and glacial erratics cover the county, and there is a layer of fertile soil covering the original bedrock. The most important result of the glaciation, in terms of the plant life here, was

the deposition of rich soil. This made the ground suited for more diverse plant life than it had previously supported, as well as making it better for farmland.

The forest that would have grown in after being glaciated would have been mainly northern hardwoods, including maples, beeches, birches, and hemlocks (Braun, 2001). However, several human factors conspired to create a habitat that was previously known only further south. The Native Americans of the area were the first to change the ecology of the landscape by clearing and burning sections of forest. This was done to clear the way for settlement and gardens, as well as to replenish the soil with nutrients and promote new growth (Curtin, 2010). Setting fires would open up old-growth forests and create forests with grassy clearings, open woods, scrub, and grasslands. By changing the landscape from one type of ecosystem into a mosaic of several different ecosystems in a relatively small area, the Native Americans increased the biodiversity of the area. This would have brought in more game, as well as cleared the way for farming. After Europeans started to settle the area in the 1700s until 1900, the landscape was further changed by logging and clearing for crops and dairy farming (Smalley and Wolfe, pers. comm.). Because of the Great Depression in the 1930s and the rise of farming in the heartland, excess fields in Allegany County were abandoned and allowed to revert to forest (Copenheaver, 2008). Human intervention in the form of forest-burning, clearing, and logging has allowed for oaks and pines to get an upper hand on the usual predominant northern hardwood species. The result is that most of Houghton's woods are dominated by red, black, and white oaks, with an unusually large number of white, red, and Scots pines. The repeated burning and logging of these forests, as well as the north-flowing Genesee River, has also allowed for an increase in hickory species that are normally found further south.

The county is mainly composed of farmland, woodlands, and creek beds, along with glaciated features such as moraines and kettle lakes. The kettle lakes attract the most attention

in the ecological community. Moss Lake is only a few minutes away from campus, and houses fascinating plant species such as sphagnum moss, sundew, and pitcher plants. There are no bogs directly on the Houghton College property, although it does encompass two ponds, forest seep communities, riparian communities, and other wetland ecosystems. The main campus is populated by many ornamental plants, as well as plants that commonly inhabit lawns, woodland margins, and waste places. The greater college property encloses a wide variety of different ecosystems, including oak, beech, and maple woodlands, fields, meadows, creeks, swampy woods and clearings, thickets, drainage ditches, roadsides, and waste places. The soil composition of the campus are mainly silt loams, with some gravelly silt loams, silty clay loams, fine sandy loam, and occasionally flooded loam.

The ecology of Allegany County has been mostly ignored because of its rural location, low population density, and location in the northern Appalachian mountain range, with the exception of the kettle lakes. The county has much to offer with its unique combination of elevation, water systems, and glaciated features, as it houses a wide diversity of ecosystems in close quarters. Though much of the land is used for farmland, the wide swaths of land covered in forests and creeks as well as the innumerable intersections of different ecosystems supports a wealth of diverse plant species.

A partial ATBI, focused on vascular plants, was conducted on the Houghton College campus, documenting the flowering plants, ferns, fern allies, grasses, rushes, and sedges that were found on the property. The purpose of this survey was to add to the overall knowledge of the plant species in the county, to document and compare the historical ecology of the area to the present plant communities, and to establish a baseline to study successional changes in floral communities. The documentation of campus's flora should inspire future research of local plant communities as well as engender an interest in the ecological history of the area.

METHODS

Before collection began, a topographic map of the Houghton Campus property was obtained by Dr. James Wolfe (FORECON, Inc., 2013). The Houghton East and Houghton West tracts of land were outlined, but the exact boundaries of the main campus, the townhouses and flats, and the athletic fields east of Route 19 (the Field of Dreams) were unmarked. For these, approximate boundaries were observed, such as wooded areas near the townhouses and flats and the Genesee River at the Field of Dreams.

Collecting started in April of 2012, with two samples of each species collected whenever possible. Collected specimens were chosen as representative samples, as well as their flowers and fruits if present. When covering land in Houghton East woods and around the edges of Houghton West, a topographic map of the property and a Magellan Meridian Platinum Waterproof Hiking GPS was used to navigate. Google Earth and ArcGIS Explorer were used to draw visual cues on the topographic map. For large areas of land, such as Houghton East, collections in the woods usually followed creeks, the property boundary, and the Houghton trails (see Figure 1).

Newcomb's Wildflower Guide (Newcomb 1977) was used to identify the flowering plants, A Field Guide to Trees and Shrubs (Petrides 1972) for identifying trees and shrubs, A Field Guide to Ferns and Their Related Families (Cobb 2005) to identify ferns, and The Plants of Pennsylvania: An Illustrated Manual (Rhoads 2000) to identify grasses, rushes, and sedges. Google Images and the *Go Botany: New England Wild Flower Society* website were used as supplementary identification tools, especially for cultivated plants on the campus.

After identifying the samples (usually done on-site if the sample was a tree, shrub, or flowering plant) the full Latin name was found using the USDA PLANTS Database. The samples were pressed on the same day they were collected. When the plants were completely dried,

they were affixed to white 11.5" by 16.5" herbarium sheets using Elmer's Glue. Fruits, nuts, and cones that were not pressed were placed in bags and attached to the herbarium sheets.

Each species was given a label with its Latin, common, and family names as well as the date of collection, the location where it was collected, its usual habitat, how common it is, if it is native to the area or not, and the elevation at which it was collected. To find the usual habitat for each plant, Newcomb's Wildflower Guide, A Field Guide to Trees and Shrubs, A Field Guide to Ferns and Their Related Families, The Plants of Pennsylvania: An Illustrated Manual, the Lady Bird Johnson Wildflower Center website, and the USDA Forest Service website were used, all depending on what type of plant was being examined. The USDA PLANTS Database was used to find which plants are native to North America and which ones were introduced. To map out where samples were found, ArcGIS Explorer was used, which helped when I was describing their locations; Google Earth was used to determine the elevation of the sample locations.

RESULTS

Over the course of a year, 436 different plant species spanning 88 families were collected or observed on Houghton College Campus. Of these, there were 215 plants that were not listed on the USDA PLANTS Database for Allegany County (49.3%) and 274 (62.8%) that were native to North America. The following list of 22 ecological communities observed on the Houghton property was taken from *Ecological Communities of New York State* (1990) and described in terms of the local flora.

Natural Communities

Ditch/artificial intermittent stream communities were found around the main campus, the Houghton Equestrian Center, and the Field of Dreams. The best example was located near

the entrance of the main campus, extending towards the townhouses and flats to the southwest and towards Randall to the northeast. Broadleaf arrowhead, softstem bulrush, water purslane, lamp rush, and true forget-me-not were commonly found here.

Shallow emergent marsh communities were found in Houghton East and at the Houghton Equestrian Center. One community was located along the north-west border of Houghton East, where common cattail, crested woodfern, grasses, and sedges were common. A second shallow emergent marsh community was observed at the Houghton Equestrian Center, around the pond. The ground was continually wet, with species such as common cattail, swamp milkweed, flat-top goldenrod, bedstraws, smallspike false nettle, wild mint, narrow-leaved willow herb, and hop sedge.

The shrub swamp community was located northeast of the townhouses. The small section of wet land was dominated by red-osier dogwood, willows, spotted joe pye weed, and boneset. American brooklime, water speedwell, and great blue lobelia were found at its edges.

The riverside sand/gravel bar community was observed on the southern and eastern edges of the Field of Dreams, along the Genesee River. Willows, quaking aspen, sedges, grasses, mustard species, clammy hedgehyssop, and dwarf snapdragon were located near the edges of this area, which was mostly rocky, sandy, and without plants. More limited riverside communities were found along the Houghton Creek at the northern border of Houghton West.

The wooded areas of the Field of Dreams were floodplain forest communities, dominated by common cottonwoods, with some sycamores and a few boxelder maples, white willows, and Bebb willows. Shrubs such as Japanese knotweed and multiflora rose were common, and understory plants included garlic mustard, mugwort, cleavers, wild madder, cutleaf toothwort, bloodroot, virgin's bower, ostrich fern, sedges, and Apiaceae species.

The hemlock-hardwood swamp community was found in the southern part of Houghton West. The canopy layer was dominated by oaks and maples, with some hemlocks, birches, hickories, big-toothed aspen, and basswood. The groundlayer was almost devoid of plant life beside some mosses and Christmas ferns, evergreen and mountain wood ferns, and marginal woodferns.

Successional old field communities were common around the edges of fields in Houghton West. The fields were characterized by multiflora roses and raspberries, along with goldenrods, asters, white avens, and common chickweed. There was also a small successional field in the middle of Houghton East woods, reachable by the blue trail, which was covered with goldenrods, asters, Indian tobacco, and grasses.

The Appalachian oak-hickory forest community was predominant throughout Houghton West. This community was dominated by red, black, and white oaks. Mixed in with the oaks were bitternut and shagbark hickories, white ash, red maple, American basswood, eastern hop hornbeam, ironwood, and yellow birch. Raspberries and roses were common especially in the woods closest to the Houghton Equestrian Center fields. Plantain-leaved sedge, white avens, hepatica, ramps, and white goldenrod (usually near the Houghton Creek) were found in the ground layer.

The Appalachian oak-pine forest community was the main forest community in Houghton East. The area was made up predominantly of black, red, and white oaks as well as white pines. Red and sugar maples, hemlock, beech, were common at lower densities. A few cucumber magnolias, black cherries, serviceberry, and one sassafras tree occurred around the yellow trail. Mostly along the trails, Canada mayflower, partridgeberry, starflower, fringed loosestrife, wild licorice, low sweet blueberry, and sensitive fern occurred in the groundcover, along with a few Indian pipes, pinesaps, and beechdrops. In the spring, squawroot and violets

grew in this area. Lower down the yellow trail (below the ski hill), there were a few clusters of fringed polygala, although these were found scattered along the northern border of Houghton East near the creek. Deeper in the woods, away from the trails, there were very few plants in the groundcover, with scattered Japanese barberry bushes and, in the spring, clusters of mayapple.

The hemlock-northern hardwood forest community was located at a few places along the blue trail in Houghton East. In this community the predominant trees were hemlocks, with a few beeches and red maples. The groundlayer was mostly bare, with scattered mayapple, Canada mayflower, common speedwell, and partridgeberry.

The successional southern hardwoods community was found in a northern corner of Houghton West, northeast of a successional old field community. Hawthorns were the dominant trees, with goldenrods as the ground cover. A few white avens were observed growing where the goldenrods had not taken over. This community type was also found in some partially wooded areas on the fringes of the main campus, where slippery elm, red and sugar maples, sycamores, and hickories were common. Roses, blackberries, and raspberries were commonly found in those areas as well.

Forest seep communities were found along the creek at the northern border of Houghton East. These communities were characterized by golden ragwort and swamp buttercup. Other species found in these areas were large-flowered trillium, Pennsylvania bitter cress, bristly crowfoot, and true forget-me-not. Forest seep communities were also located at the northern border of Houghton West along the Houghton creek, where sharp-lobed hepatica was common.

Human-Influenced Communities

There was one spruce plantation community in the southern part of Houghton West (across the road from the Houghton Equestrian Center) where a stand of Norway spruces was planted. The spruces provide heavy shade, and there was no groundcover except for a few openings with goldenrods.

Cropland/field crops communities were found at the Field of Dreams and the Houghton Equestrian Center. At the Field of Dreams there was a large field planted with alfalfa, with scattered weeds such as purple deadnettle, crown vetch, English plantain, dandelion, mouse-eared chickweed, and small-flowered bitter cress. Carolina horsenettle, smooth hawksbeard, daisy fleabane, and other flowers in the Asteraceae family were also found in or at the edges of the fields. The old cropland fields at the Equestrian Center supported weeds such as field pennycress.

Pastureland communities were located at the Houghton Equestrian Center, where several fields were permanently maintained as a pasture area for horses. These fields were dominated by tall buttercups and grasses. Other species found there included dandelion, common mallow, and strict blue-eyed grass.

Flower/herb garden communities were located at the main campus and at the Houghton Equestrian Center. These areas were reserved for cultivated plants, such as sedum, daffodils, mums, yellow dead nettle, spirea, weeping spruce, American yew, red cedar, northern white cedar, and trailing juniper. Weeds that invaded these areas included dandelion, common sow thistle, and common groundsel.

On the north side of the Houghton East successional old field was an abandoned apple orchard. Both domestic (paradise) apple and crabapple were present. The understory was mainly composed of grasses.

Communities of mowed lawns with trees were located on the main campus. These communities had maintained lawns with planted trees, such as pin oaks, white pine, white spruce, Fraser fir, and honey locust.

Mowed lawn communities were found on the main campus on the quad, near the track, and at the Field of Dreams athletic fields. The lawns were dominated by annual bluegrass, with lawn daisy, white clover, dandelion, ground ivy, common plantain, and threadstalk speedwell scattered throughout.

Unpaved road/paths included some of the roads at the Houghton Equestrian Center, a road through the Field of Dreams, and the trails through Houghton East woods. Several weedy plants tended to grow along the dirt roads, such as musk mallow, white campion, crown vetch, and chicory. The trails through Houghton East woods provided more light to violets, starflower, common speedwell, and round-lobed hepatica.

Paved road/paths were found throughout the main campus and parts of Houghton West. Species such as musk mallow, chicory, staghorn sumac, and yellow foxtail were found along paved roads.

Brushy cleared land/waste places were located at the entrance to the Field of Dreams as well as at its southeast corner. Numerous different types of plants were found there, including common mugwort, wild parsnip, teasel, mustards, burdock, cinquefoils, amaranths, bindweeds, common evening primrose, clovers, cleavers, spotted knapweed, crown vetch, lamb's ear, and daisies.

The following is a complete list of plants collected or observed on the Houghton property; species Latin names are listed alphabetically and grouped by family. The Latin name for each species is followed by the common name, the date of collection, the location where it

was found, the usual habitat of the species, its abundance and native status, and whether it is listed for Allegheny County in the USDA PLANTS Database.

ACERACEAE (MAPLE FAMILY)

Acer negundo L. BOXELDER MAPLE. October 10, 2012, found on a lawn at the Field of Dreams. Moist woods, stream banks, and floodplains. Common, native (USDA). *Not listed for Allegheny County on USDA website.*

Acer platanoides L. NORWAY MAPLE "CRIMSON KING". October 10, 2012, found on the lawn outside Rothenbueler. Cultivated. Rare, introduced (USDA). *Not listed for Allegheny County on USDA website.*

Acer rubrum L. RED MAPLE. October 10, 2012, found in Houghton East woods. Moist soils along stream banks, moist to drier woodlands, and cultivated. Common, native (USDA).

Acer saccharinum L. SILVER MAPLE. October 10, 2012, found on the lawn outside of the Paine building. Cultivated; rich bottomlands, moist hillsides, and riverbanks. Uncommon, native (USDA). *Not listed for Allegheny County on USDA website.*

Acer saccharum Marshall var. *saccharum*. SUGAR MAPLE. October 10, 2012, found on the lawn outside of Lambein. Moist bottomlands, rich wooded slopes, and cultivated. Common, native (USDA). *Not listed for Allegheny County on USDA website.*

ALISMATACEAE (WATER-PLANTAIN FAMILY)

Alisma subcordatum Raf. AMERICAN WATER PLANTAIN. SMALL WATER PLANTAIN. September 16, 2012, found in a drainage ditch near the Houghton College campus entrance. Muddy shores. Common, native (USDA). *Not listed for Allegheny County on USDA website.*

Sagittaria latifolia Willd. BROADLEAF ARROWHEAD. COMMON ARROWHEAD. September 24, 2012, found in a drainage ditch near the Houghton College campus entrance. Shallow water and marshes. Common, native (USDA). *Not listed for Allegheny County on USDA website.*

AMARANTHACEAE (AMARANTH FAMILY)

Amaranthus hybridus L. SLIM AMARANTH. SLENDER AMARANTH. September 29, 2012, found in a waste place at the Field of Dreams. Gardens and waste places. Common, native (USDA). *Not listed for Allegheny County on USDA website.*

Amaranthus blitoides S. Watson. MAT AMARANTH. TUMBLEWEED. September 29, 2012, found in a waste place at the Field of Dreams. Gardens and waste places. Common, introduced (USDA). *Not listed for Allegheny County on USDA website.*

ANACARDIACEAE (SUMAC FAMILY)

Cotinus coggygria Scop. EUROPEAN SMOKETREE. October 13, 2012, found in a mulched area between Rothenbueler and Randall. Cultivated. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Rhus typhina L. STAGHORN SUMAC. September 18, 2012, found in an open area in Houghton West woods. Dry uplands, old fields, hardwood forest margins, and along roads. Common, native (USDA).

Toxicodendron radicans (L.) Kuntze ssp. *radicans*. EASTERN POISON IVY. Observed along the road and in the woods behind Lambein. Open woods, thickets, fencerows, and along roads. Common, native (USDA). *Not listed for Allegany County on USDA website.*

APIACEAE (CARROT FAMILY)

Angelica atropurpurea L. PURPLESTEM ANGELICA. GREAT ANGELICA. September 29, 2012, found in an open wooded area at the Field of Dreams. Low meadows and stream banks. Common, native (USDA).

Cicuta bulbifera L. BULBLET-BEARING WATER HEMLOCK. September 29, 2012, found near the Field of Dreams creek. Swamps. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Cryptotaenia canadensis (L.) DC. CANADIAN HONEWORT. September 29, 2012, found in an open wooded area at the Field of Dreams. Rich woods. Uncommon, native (USDA).

Torilis japonica (Houtt.) DC. ERECT HEDGEPARSLEY. September 29, 2012, found near the Field of Dreams creek. Disturbed soil, thickets, roadsides, and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Daucus carota L. QUEEN ANNE'S LACE. September 18, 2012, found near a creek. Dry fields and waste places. Common, introduced (USDA).

Pastinaca sativa L. WILD PARSNIP. September 29, 2012, found near the Field of Dreams creek. Roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

APOCYNACEAE (DOGBANE FAMILY)

Apocynum androsaemifolium L. SPREADING DOGBANE. September 29, 2012, found in a field on the Field of Dreams. Fields, waste places. Common, native (USDA).

Vinca minor L. COMMON PERIWINKLE. MYRTLE. May 22, 2012, found next to the Rothenbueler path. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

AQUIFOLIACEAE (HOLLY FAMILY)

Ilex opaca Aiton var. *opaca*. AMERICAN HOLLY. September 19, 2012, found outside Randall. Cultivated. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

ARACEAE (ARUM FAMILY)

Arisaema triphyllum (L.) Schott ssp. *triphyllum*. JACK-IN-THE-PULPIT. May 22, 2012, found in woods near Lambein. Wooded areas. Common, native (USDA).

Symplocarpus foetidus (L.) Salisb. ex W.P.C. Barton. SKUNK CABBAGE. May 23, 2012, found in a wet place in Houghton East woods. Swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

ARALIACEAE (GINSENG FAMILY)

Aralia nudicaulis L. WILD SARSAPARILLA. May 22, 2012, found behind Luckey. Wooded areas. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Hedera helix L. ENGLISH IVY. October 13, 2012, found on a wooded hill across the road from Gillette. Cultivated; escaped to woods, woodland margins, roadsides, and stream banks. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

ASCLEPIADACEAE (MILKWEED FAMILY)

Asclepias incarnata L. SWAMP MILKWEED. September 25, 2012, found near the Houghton College Equestrian Center, next to a pond. Wet places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Asclepias syriaca L. COMMON MILKWEED. September 19, 2012, found near Rothenbuehler, next to a creek. Waste places, field margins or waterways. Common, native (USDA). *Not listed for Allegany County on USDA website.*

ASTERACEAE (ASTER FAMILY)

Achillea millefolium L. COMMON YARROW. MILFOIL. September 22, 2012, found near the Houghton East creek, in a meadow. Fields and roadsides. Common, introduced (Cattaraugus, 1987).

Ageratina altissima (L.) King & H. Rob. var. *altissima*. WHITE SNAKEROOT. September 6, 2012, found at the edge of a thicket behind Lambein. Rich woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Ambrosia artemisiifolia L. ANNUAL RAGWEED. September 16, 2012, found next to a drainage ditch near the Houghton College campus entrance. Cultivated ground and roadsides. Common, native (Cattaraugus, 1987). *Not listed for Allegany County on USDA website.*

Anaphalis margaritacea (L.) Benth. WESTERN PEARLY EVERLASTING. October 13, 2012, found on the ski hill. Dry open places. Uncommon, native (USDA).

Antennaria howellii Greene ssp. *neodioica* (Greene) Bayer. HOWELL'S PUSSYTOES. SMALLER PUSSYTOES. May 3, 2012, found on a hill next to the path up to the gym. Woods, fields, and banks. Uncommon, native (USDA).

Antennaria plantaginifolia (L.) Richardson. WOMAN'S TOBACCO. PLANTAIN-LEAVED PUSSYTOES. May 22, 2012, found next to the path leading to the gym on a hill. Woods, fields, and banks. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Arctium minus Bernh. LESSER BURDOCK. September 10, 2012, found next to the path to the Townhouses and Flats. Waste places. Common, introduced (USDA).

Artemisia vulgaris L. COMMON WORMWOOD. COMMON MUGWORT. September 19, 2012, found near a creek in Houghton West, in a meadow. Waste places. Common, introduced (USDA).

Bellis perennis L. LAWNDAISY. May 3, 2012, found in a lawn near Paine. Lawns. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Bidens cernua L. NODDING BEGGARTICK. NODDING BUR MARIGOLD. September 29, 2012, found on the bank of a creek at the Field of Dreams. Wet places. Common, native (USDA).

Bidens frondosa L. DEVIL'S BEGGARTICK. BEGGAR TICKS. STICKTIGHT. September 18, 2012, found on the bank of a creek in Houghton West. Wet or dry waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Centaurea jacea L. BROWNRAY KNAPWEED. September 18, 2012, found near a creek in Houghton West, in a meadow. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Centaurea stoebe L. ssp. *micranthos* (Gugler) Hayek. SPOTTED KNAPWEED. September 16, 2012, found near the Townhouses. Roadsides and waste places. Common, introduced (USDA).

Centaurea montana L. PERENNIAL CORNFLOWER. MOUNTAIN KNAPWEED. May 28, 2012, found near the gym. Escaped from cultivation to open woods and meadows. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Chrysanthemum ×morifolium Ramat. (pro sp.). FLORIST'S DAISY. GARDEN MUM. October 2, 2012, found near the Houghton College campus entrance. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Cichorium intybus L. CHICORY. September 16, 2012, found near the Houghton College Campus entrance. Fields, roadsides, and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Cirsium arvense (L.) Scop. CANADA THISTLE. September 24, 2012, found in a waste place at the Field of Dreams. Pastures and waste places. Common, introduced (USDA).

Cirsium vulgare (Savi) Ten. BULL THISTLE. September 25, 2012, found in a waste place at the Field of Dreams. Pastures and waste places. Common, introduced (USDA).

Conyza canadensis (L.) Cronquist var. *canadensis*. CANADIAN HORSEWEED. September 29, 2012, found in a waste place at the Field of Dreams. Fields and waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Crepis capillaris (L.) Wallr. SMOOTH HAWKSBEARD. September 29, 2012, found in a field at the Field of Dreams. Fields and waste places. Common, introduced (USDA).

Erigeron annuus (L.) Pers. EASTERN DAISY FLEABANE. SWEET SCABIOUS. September 29, 2012, found in a field at the Field of Dreams. Fields and waste places. Common, native (USDA).

Erigeron philadelphicus L. var. *philadelphicus*. PHILADELPHIA FLEABANE. COMMON FLEABANE. May 17, 2012, found in a grassy place near the Townhouses. Open woods and fields. Common, native (USDA).

Erigeron strigosus Muhl. ex Willd. var. *strigosus*. PRAIRIE FLEABANE. LESSER DAISY FLEABANE. October 3, 2012, found in a field across the road from the Houghton Equestrian Center. Fields and waste places. Common, native (USDA).

Eupatorium perfoliatum L. var. *perfoliatum*. COMMON BONESET. THOROUGHWORT. September 12, 2012, found in a wet place near the Townhouses, with *Cornus sericea* and *Eutrochium maculatum*. Wet meadows and low ground. Common, native (USDA).

Eurybia divaricata (L.) G.L. Nesom. WHITE WOOD ASTER. September 18, 2012, found in Houghton West woods. Dry woods and clearings. Common, native (USDA).

Euthamia graminifolia (L.) Nutt. var. *graminifolia*. FLAT-TOP GOLDENTOP. LANCE-LEAVED GOLDENROD. GRASS-LEAVED GOLDENROD. September 25, 2012, found near a pond at the Houghton Equestrian Center. Moist to dry open soil. Common, native (USDA).

Eutrochium maculatum (L.) E.E. Lamont. SPOTTED JOE PYE WEED. September 10, 2012, found in a wet place near the Townhouses, with *Cornus sericea*. Damp meadows and thickets. Common, native (USDA).

Galinsoga parviflora Cav. GALLANT SOLDIER. GALINSOGA. QUICKWEED. October 8, 2012, found in a waste place at the Field of Dreams. Gardens. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Helenium autumnale L. var. *autumnale*. COMMON SNEEZEWEED. September 29, 2012, found in an area of tall weeds at the Field of Dreams, with *Helianthus tuberosus*. Moist meadows and shores. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Helianthus tuberosus L. JERUSALEM ARTICHOKE. September 24, 2012, found in an area of tall weeds at the Field of Dreams, with *Helenium autumnale*. Moist thickets and roadsides. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Hieracium caespitosum Dumort. MEADOW HAWKWEED. FIELD HAWKWEED. May 28, 2012, found in a lawn near the gym. Fields and roadsides. Common, introduced (USDA).

Hieracium venosum L. RATTLESNAKEWEED. May 28, 2012, found in Houghton East woods, with *Symphyotrichum undulatum* and *Hepatica nobilis* var. *obtusa*. Dry woods and clearings. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Hypochaeris radicata L. HAIRY CAT'S EAR. October 2, 2012, found in a field at the Field of Dreams. Fields, roadsides, and lawns. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Inula helenium L. ELECAMPANE INULA. September 25, 2012, found at the edge of a field at the Houghton Equestrian Center. Roadsides and pastures. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Lapsana communis L. COMMON NIPPLEWORT. September 6, 2012, in a grassy area behind Lambein. Roadsides and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Leontodon autumnalis L. FALL DANDELION. May 28, 2012, found in a lawn near the gym. Fields and lawns. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Leucanthemum vulgare Lam. OXEYE DAISY. May 22, 2012, found in a grassy place near the Townhouses. Fields and meadows. Common, introduced (USDA).

Matricaria discoidea DC. DISK MAYWEED. PINEAPPLE WEED. May 23, 2012, found in a sandy place near the track. Barnyards, fields, and roadsides; sandy soil. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Osteospermum ecklonis (DC.) Norl. BLUE AND WHITE DAISYBUSH. October 2, 2012, found in a mulched area at the Houghton College campus entrance. Cultivated. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Packera aurea (L.) Á. Löve & D. Löve. GOLDEN RAGWORT. May 23, 2012, found in a wet place in Houghton East woods. Swamps and moist meadows. Uncommon, native (USDA).

Prenanthes alba L. WHITE RATTLESNAKEROOT. WHITE LETTUCE. October 3, 2012, found near a creek in the woods across the road from the Houghton Equestrian Center. Woods and thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Rudbeckia hirta L. var. *pulcherrima* Farw. BLACKEYED SUSAN. October 3, 2012, found at the edge of a field across the road from the Houghton Equestrian Center. Dry to moist open places. Common, native (USDA).

Rudbeckia laciniata L. var. *laciniata*. CUTLEAF CONEFLOWER. TALL CONEFLOWER. GREEN-HEADED CONEFLOWER. September 28, 2012, found in a wet clearing in Houghton East woods. Swamps and moist thickets. Uncommon, native (USDA).

Senecio cineraria DC. DUSTY MILLER. October 10, 2012, found in a mulched area in front of the Luckey building. Cultivated. Common, introduced (USDA).

Senecio vulgaris L. OLD-MAN-IN-THE-SPRING. COMMON GROUNDSEL. May 28, 2012, found in a mulched area next to the Townhouses. Cultivated land and waste places. Common, introduced (USDA).

Solidago bicolor L. WHITE GOLDENROD. SILVERROD. September 19, 2012, found at the edge of Houghton West woods, near a creek. Dry soil. Common, native (USDA).

Solidago caesia L. WREATH GOLDENROD. BLUE-STEMMED GOLDENROD. October 11, 2012, found at the edge of some woods near Paine. Rich, open woods and clearings. Common, native (USDA).

Solidago canadensis L. var. *canadensis*. CANADA GOLDENROD. September 28, 2012, found in a clearing in Houghton East woods, with . Fields and roadsides. Common, native (USDA).

Solidago flexicaulis L. ZIGZAG GOLDENROD. BROAD-LEAVED GOLDENROD. September 18, 2012, found in Houghton West woods. Rich woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Solidago gigantea Aiton. GIANT GOLDENROD. LATE GOLDENROD. September 18, 2012, found on a bank of a creek in Houghton West. Moist or dry open places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Solidago rugosa Mill. WRINKLELEAF GOLDENROD. ROUGH-STEMMED GOLDENROD. September 28, 2012, found in a clearing in Houghton East woods. Fields and thickets. Common, native (USDA).

Sonchus asper (L.) Hill. SPINY SOWTHISTLE. September 25, 2012, found in a waste place at the Field of Dreams. Fields and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Sonchus oleraceus L. COMMON SOWTHISTLE. May 23, 2012, found in a mulched area next to the Townhouses. Fields and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Symphyotrichum lanceolatum (Willd.) G.L. Nesom ssp. *lanceolatum* var. *lanceolatum*. WHITE PANICLE ASTER. PANICLED ASTER. September 22, 2012, found on a grassy bank of a creek in Houghton West. Meadows and shores. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Symphyotrichum lateriflorum (L.) Á. Löve & D. Löve var. *lateriflorum*. CALICO ASTER. SMALL WHITE ASTER. September 7, 2012, found next to the path to the Townhouses and Flats. Fields, meadows, and roadsides. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Symphyotrichum novae-angliae (L.) G.L. Nesom. NEW ENGLAND ASTER. September 7, 2012, found next to the path to the Townhouses and Flats. Fields, damp meadows, and shores. Common, native (USDA).

Symphyotrichum pilosum (Willd.) G.L. Nesom var. *pilosum*. HAIRY WHITE OLDFIELD ASTER. HEATH ASTER. September 25, 2012, found on the edge of a field at the Houghton Equestrian Center. Fields, meadows, and roadsides. Common, native (USDA).

Symphyotrichum prenanthoides (Muhl. ex Willd.) G.L. Nesom. CROOKEDSTEM ASTER. September 18, 2012, found in Houghton West woods. Moist thickets. Common, native (USDA).

Symphyotrichum puniceum (L.) Á. Löve & D. Löve var. *puniceum*. PURPLESTEM ASTER. September 26, 2012, found in a drainage ditch behind Paine. Swamps and low thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Symphyotrichum undulatum (L.) G.L. Nesom. WAVYLEAF ASTER. September 28, 2012, found in Houghton East woods, with *Hepatica nobilis* var. *obtusata* and *Hieracium venosum*. Dry open woods and clearings. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Taraxacum officinale F.H. Wigg. ssp. *officinale*. COMMON DANDELION. September 29, 2012, found in a lawn at the Field of Dreams. Lawns and waste places. Common, introduced (USDA).

Tripleurospermum perforatum (Mérat) M. Lainz. SCENTLESS FALSE MAYWEED. SCENTLESS CHAMOMILE. May 28, 2012, found next to a road at the Houghton Equestrian Center. Roadsides and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Tussilago farfara L. COLTSFOOT. April 16, 2012, found in a wet place at the base of a hill behind Lambein. Damp soil of stream sides, banks, and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Xanthium strumarium L. ROUGH COCKLEBUR. COMMON CLOTBUR. September 24, 2012, found on the bank of a creek at the Field of Dreams. Farmlands, roadsides, and waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

BALSAMINACEAE (TOUCH-ME-NOT FAMILY)

Impatiens capensis Meerb. JEWELWEED. September 16, 2012, found near the Townhouses, in some tall grass. Field margins, lawns, waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Impatiens pallida Nutt. PALE TOUCH-ME-NOT. October 5, 2012, found in a waste place on far edge of the Field of Dreams. Field margins and lawns, waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

BERBERIDACEAE (BARBERRY FAMILY)

Berberis thunbergii DC. JAPANESE BARBERRY. September 28, 2012, found in Houghton East. Woods, also cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Mahonia aquifolium (Pursh) Nutt. HOLLYLEAVED BARBERRY. May 3, 2012, found on a hill behind the Houghton College Chapel. Cultivated. Rare, native (USDA). *Not listed for Allegany County on USDA website.*

Podophyllum peltatum L. MAYAPPLE. May 23, 2012, found in Houghton East. Woods. Common, native (USDA).

BETULACEAE (BIRCH FAMILY)

Alnus incana (L.) Moench ssp. *rugosa* (Du Roi) R.T. Clausen. SPECKLED ALDER. October 10, 2012, found in Houghton East. Swamps and wet soil along streams and lakes. Common, native (USDA).

Betula alleghaniensis Britton var. *alleghaniensis*. YELLOW BIRCH. October 10, 2012, found in Houghton East. Woods and wet meadows. Common, native (USDA).

Betula lenta L. SWEET BIRCH. BLACK BIRCH. October 13, 2012, found in Houghton East woods. Rich mountain woods. Common, native (USDA).

Betula populifolia Marshall. GRAY BIRCH. October 13, 2012, found near Gillette. Cultivated; wet to dry woods, lake margins, and old fields. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Carpinus caroliniana Walter ssp. *virginiana* (Marshall) Furlow. AMERICAN HORNBEAM. IRONWOOD. October 10, 2012, found in Houghton East. Shaded woods, floodplains, and stream banks. Common, native (USDA).

Ostrya virginiana (Mill.) K. Koch. HOPHORNBEAM. October 13, 2012, found in Houghton East. Well-drained deciduous woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

BORAGINACEAE (BORAGE FAMILY)

Myosotis laxa Lehm. BAY FORGET-ME-NOT. SMALLER FORGET-ME-NOT. May 3, 2012, found near the Townhouses in a drainage ditch. Springs, muddy shores, and wet places. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Myosotis scorpioides L. TRUE FORGET-ME-NOT. April 16, 2012, found behind Lambein. Springs, muddy shores, and wet places. Common, introduced (USDA).

Symphytum officinale L. COMMON COMFREY. September 29, 2012, found at the edge of a wooded area at the Field of Dreams. Waste places. Uncommon, introduced (USDA).

BRASSICACEAE (MUSTARD FAMILY)

Alliaria petiolata (M. Bieb.) Cavara & Grande. GARLIC MUSTARD. April 16, 2012, found next to Lambein. Woods, fields, waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Barbarea vulgaris W.T. Aiton. GARDEN YELLOWROCKET. COMMON WINTER CRESS. April 16, 2012, found near Townhouses. Roadside, fields, waste places. Common, introduced (USDA).

Capsella bursa-pastoris (L.) Medik. SHEPHERD'S PURSE. May 22, 2012, found in a sandy area near Lambein. Gardens and waste places. Common, introduced (USDA).

Cardamine concatenata (Michx.) Sw. CUTLEAF TOOTHWORT. Observed in a wooded area at the Field of Dreams. Rich woods. Common, native (USDA).

Cardamine diphylla (Michx.) Alph. Wood. CRINKLEROOT. TOOTHWORT. September 18, 2012, found near a creek in Houghton West. Rich woods. Uncommon, native (USDA).

Cardamine parviflora L. SAND BITTERCRESS. SMALL-FLOWERED BITTER CRESS. April 16, 2012, found in the edge of a lawn next to the Townhouses. Dry woods, ledges, and sandy places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Cardamine pensylvanica Muhl. ex Willd. PENNSYLVANIA BITTERCRESS. May 23, 2012, found near a creek in Houghton East. Swamps and wet meadows. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Cardamine pratensis L. var. *pratensis*. CUCKOO FLOWER. May 17, 2012, found in a drainage ditch near the Houghton College campus entrance. Wet meadows and swamps, occasionally on moist lawns. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Erysimum cheiranthoides L. WORMSEED WALLFLOWER. WORMSEED MUSTARD. May 23, 2012, found near a creek in Houghton East. Fields, waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Hesperis matronalis L. DAMES ROCKET. DAME'S VIOLET. May 17, 2012, found near Townhouses. Woodland margins, fields, roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Lepidium campestre (L.) W.T. Aiton. FIELD PEPPERWEED. FIELD PEPPERGRASS. May 17, 2012, found near Townhouses. Fields, roadsides. Common, introduced (USDA).

Nasturtium officinale W.T. Aiton. WATERCRESS. May 24, 2012, found in a creek at the Field of Dreams. Wet, marshy places; streams. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Sinapis arvensis L. CHARLOCK MUSTARD. September 24, 2012, found in a waste place at the Field of Dreams. Cultivated ground and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Thlaspi arvense L. FIELD PENNYCRESS. May 21, 2012, found on a field at the Houghton Equestrian Center. Fields, waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Sisymbrium officinale (L.) Scop. HEDGEMUSTARD. September 25, 2012, found in a wastes place at the Field of Dreams. Waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

BUXACEAE (BOXWOOD FAMILY)

Pachysandra terminalis Siebold & Zucc. JAPANESE PACHYSANDRA. October 10, 2012, found next to the Luckey building. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

CAMPANULACEAE (BELLFLOWER FAMILY)

Lobelia inflata L. INDIAN-TOBACCO. September 28, 2012, found in a meadow in the middle of Houghton East woods. Waste places, open woods and fields. Uncommon, native (USDA).

Lobelia siphilitica L. var. *siphilitica*. GREAT BLUE LOBELIA. September 7, 2012, found along the path to the Townhouses. Moist thickets, swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

CAPRIFOLIACEAE (HONEYSUCKLE FAMILY)

Diervilla lonicera Mill. NORTHERN BUSH HONEYSUCKLE. October 13, 2012, found on Houghton campus. Cultivated, dry rocky places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Kolkwitzia amabilis Graebn. BEAUTYBUSH. May 22, 2012, found on Houghton campus behind Fancher Hall. Cultivated, acidic soil. Rare, introduced (USDA). *Not listed for Allegany County on USDA website.*

Lonicera tatarica L. TATARIAN HONEYSUCKLE. May 17, 2012, found next to the Roth path. Cultivated, rocky or peaty soils. Common, introduced (USDA).

Sambucus nigra L. ssp. *canadensis* (L.) R. Bolli. AMERICAN BLACK ELDERBERRY. COMMON ELDER. October 2, 2012, found at edge of wooded area at the Field of Dreams. Woodland margins. Common, native (USDA).

Sambucus racemosa L. var. *racemosa*. RED ELDERBERRY. RED-BERRIED ELDER. October 3, 2012, found near a creek in the woods across from the Houghton Equestrian Center. Woods. Common, native (USDA).

Symphoricarpos albus (L.) S.F. Blake. COMMON SNOWBERRY. October 13, 2012, found across the road from Gillette. Cultivated; wooded hillsides and rocky, open slopes. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Triosteum aurantiacum E.P. Bicknell. ORANGEFRUIT HORSE-GENTIAN. October 11, 2012, found in some woods behind Paine. Rich woods. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Viburnum opulus L. var. *americanum* Aiton. AMERICAN CRANBERRYBUSH. HIGHBUSH CRANBERRY. September 24, 2012, found in Houghton West woods. Cool moist woods and rocky slopes. Common, native (USDA).

Weigela florida (Bunge) A. DC. OLDFASHIONED WIEGELA. WINE AND ROSES® WIEGELA. October 10, 2012, found in a mulched area in front of the Library. Cultivated. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

CARYOPHYLLACEAE (PINK FAMILY)

Cerastium fontanum Baumg. ssp. *vulgare* (Hartm.) Greuter & Burdet. BIG CHICKWEED. MOUSE-EAR CHICKWEED. April 16, 2012, found on the lawn outside of Lambein. Gardens, lawns, and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Dianthus armeria L. DEPTFORD PINK. September 23, 2012, found in a grassy place near a creek in Houghton West. Fields and roadsides. Common, introduced (USDA).

Saponaria officinalis L. BOUNCING BET. SOAPWORT. September 6, 2012, found near Lambein. Roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Silene latifolia Poir. ssp. *alba* (Mill.) Greuter & Burdet. BLADDER CAMPION. WHITE CAMPION. May 21, 2012, found in a field at the Houghton Equestrian Center. Fields and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Stellaria graminea L. GRASS-LIKE STARWORT. LESSER STITCHWORT. May 21, 2012, found in a field at the Houghton Equestrian Center. Fields and meadows. Common, introduced (USDA).

Stellaria media (L.) Vill. ssp. *media*. COMMON CHICKWEED. October 2, 2012, found in a field at the Field of Dreams. Gardens and waste places. Uncommon, introduced (USDA).

CELASTRACEAE (BITTERSWEET FAMILY)

Celastrus scandens L. AMERICAN BITTERSWEET. CLIMBING BITTERSWEET. October 10, 2012, found next to the Rothenbueler path. Rich thickets and fencerows. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Euonymus alatus (Thunb.) Siebold. BURNINGBUSH. October 13, 2012, found behind the Campus Center. Cultivated; escaped to rich woods and thickets. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

CHENOPODIACEAE (GOOSEFOOT FAMILY)

Atriplex patula L. SPEAR SALTBUCH. ORACH. September 29, 2012, found in a waste place at the Field of Dreams. Salt marshes, inland in saline soil and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Chenopodium album L. var. *album*. LAMBSQUARTERS. PIGWEED. September 25, 2012, found in a waste place at the Field of Dreams. Gardens and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

CLUSIACEAE (MANGOSTEEN FAMILY)

Hypericum perforatum L. COMMON ST. JOHNSWORT. September 24, 2012, found near a creek in rocky, sandy ground at the Field of Dreams. Fields and waste places. Common, introduced (USDA).

Triadenum virginicum (L.) Raf. VIRGINIA MARSH ST. JOHNSWORT. September 24, 2012, found near the Houghton Equestrian Center pond. Bogs and swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Hypericum mutilum L. DWARF ST. JOHNSWORT. September 25, 2012, found near the Houghton Equestrian Center pond. Wet or moist open soil. Common, native (USDA).

CONVOLVULACEAE (MORNING GLORY FAMILY)

Calystegia sepium (L.) R. Br. ssp. *sepium*. HEDGE FALSE BINDWEED. September 12, 2012, found near Campus Center. Moist thickets. Common, introduced (USDA).

CORNACEAE (DOGWOOD FAMILY)

Cornus alternifolia L. f. ALTERNATELEAF DOGWOOD. May 22, 2012, found in the woods next to the Townhouses. Woods and woodland margins. Common, native (USDA).

Cornus sericea L. ssp. *sericea*. REDOSIER DOGWOOD. May 17, 2012, found in a wet place near the Townhouses, with *Eutrochium maculatum* (L.) E.E. Lamont. Wet places and shores. Common, native (USDA).

Cornus rugosa Lam. ROUNDELEAF DOGWOOD. October 11, 2012, found in a wooded area behind Paine. Rich or rocky woodlands. Common, native (USDA). *Not listed for Allegany County on USDA website.*

CRASSULACEAE (STONECROP FAMILY)

Hylotelephium telephium (L.) H. Ohba ssp. *telephium*. WITCH'S MONEYBAGS. Observed at the Houghton College campus entrance. Cultivated. Common, introduced (USDA).

Penthorum sedoides L. DITCH STONECROP. September 22, 2012, found in rocky, sandy ground near a creek in Houghton West. Ditches and swamps. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

CUPRESSACEAE (CYPRESS FAMILY)

Juniperus horizontalis Moench. CREEPING JUNIPER. TRAILING JUNIPER. April 2, 2013, found near Gillette. Cultivated; Open dry areas and hillsides; sandy, rocky soils. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Juniperus virginiana L. var. *virginiana*. EASTERN REDCEDAR. April 2, 2013, found near Gillette. Cultivated; dry soils and old fields. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Thuja occidentalis L. ARBORVITAE. NORTHERN WHITE CEDAR. April 2, 2013, found near Gillette. Cultivated; swamps, lake margins, and open, rocky hillsides. Common, native (USDA). *Not listed for Allegany County on USDA website.*

CYPERACEAE (SEDGE FAMILY)

Carex annectens (E.P. Bicknell) E.P. Bicknell. YELLOWFRUIT SEDGE. September 29, 2012, found near a creek at the Field of Dreams. Dry or seasonally moist fields, open woods, and ditches. Common, native (USDA).

Carex crinita Lam. var. *crinita*. FRINGED SEDGE. SHORT-HAIR SEDGE. October 3, 2012, found in a wet place across the road from the Houghton Equestrian Center. Moist to wet woods, thickets, marshes, ditches, and stream banks. Uncommon, native (USDA).

Carex lupulina Muhl. ex Willd. HOP SEDGE. September 25, 2012, found near a pond at the Houghton Equestrian Center. Swamps, wet ditches, and wet woods. Common, native (USDA).

Carex plantaginea Lam. PLANTAINLEAF SEDGE. September 18, 2012, found on a slope in Houghton West woods. Woods and wooded slopes. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Carex rosea Schkuhr ex Willd. ROSY SEDGE. September 29, 2012, found in a thicket at the Field of Dreams. Dry to moist woods. Common, native (USDA).

Carex stipata Muhl. ex Willd. var. *stipata*. OWLFRUIT SEDGE. September 29, 2012, found near a creek at the Field of Dreams. Low, wet ground. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Carex trichocarpa Muhl. ex Willd. HAIRYFRUIT SEDGE. May 23, 2012, found in a shaded, wet meadow in tall grass along the eastern edge of Houghton East woods. Marshes and wet meadows. Common, native (USDA).

Cyperus erythrorhizos Muhl. REDROOT FLATSEDEGE. September 29, 2012, found on the bank of a creek at the Field of Dreams. Moist shores, swamps, and wet ground. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Schoenoplectus tabernaemontani (C.C. Gmel.) Palla. SOFTSTEM BULRUSH. GREAT BULRUSH. September 27, 2012, found in a drainage ditch near the Houghton College campus entrance. Shallow water of swamps, lake and pond margins, wet ditches, and mudflats. Common, native (USDA).

Scirpus cyperinus (L.) Kunth. WOOLGRASS. September 28, 2012, found in a wet place in Houghton East woods. Marshes, moist meadows, swales, shores, and ditches. Common, native (USDA).

Scirpus hattorianus Makino. MOSQUITO BULRUSH. September 19, 2012, found on the bank of a creek near Rothenbueler. Marshes, moist meadows, swales, and ditches. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Scirpus polyphyllus Vahl. LEAFY BULRUSH. May 23, 2012, found in a shaded, wet meadow in tall grass along the eastern edge of Houghton East woods. Swamps, along wooded streams, and other shaded, wet habitats. Common, native (USDA). *Not listed for Allegany County on USDA website.*

DENNSTAEDTIACEAE (BRAKEN FERN FAMILY)

Dennstaedtia punctilobula (Michx.) T. Moore. EASTERN HAYSCENTED FERN. September 29, 2012, found in Houghton East woods. Partially shaded dry woods, fields, sandy soils. Common, native (USDA).

Pteridium aquilinum (L.) Kuhn. WESTERN BRACKENFERN. September 23, 2012, found in Houghton West woods. Full sun, woods, fields, burned-over areas, sandy semi-shaded areas, thickets. Common, native (USDA).

DIPSACACEAE (TEASEL FAMILY)

Dipsacus fullonum L. FULLER'S TEASEL. September 19, 2012, found near a creek in Houghton West. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

DRYOPTERIDACEAE (WOOD FERN FAMILY)

Athyrium filix-femina (L.) Roth. COMMON LADYFERN. NORTHERN LADY FERN. September 25, 2012, found in a swampy area in Houghton East woods. Moist woods, swamps, thickets, fields. Common, native (USDA).

Dryopteris campyloptera Clarkson. MOUNTAIN WOODFERN. September 23, 2012, found in Houghton West woods. Cool, moist woods. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Dryopteris cristata (L.) A. Gray. CRESTED WOODFERN. September 23, 2012, found in Houghton West woods. Wet, swampy woods and shrubby open wetlands. Uncommon, native (USDA).

Dryopteris intermedia (Muhl. ex Willd.) A. Gray. INTERMEDIATE WOODFERN. EVERGREEN WOOD FERN. FANCY FERN. September 18, 2012, found in Houghton West woods. Moist or dry rocky woods, especially hemlock-hardwood forests; ravines, rock ledges, and swamp margins. Common, native (USDA).

Dryopteris marginalis (L.) A. Gray. MARGINAL WOODFERN. September 18, 2012, found in Houghton West woods. Rocky wooded slopes, woodland margins, semi-shaded pockets of well-drained soil. Common, native (USDA).

Matteuccia struthiopteris (L.) Todaro. OSTRICH FERN. September 29, 2012, found in the woods at the Field of Dreams. Rich woods, stream banks, floodplains, swamps, and places with wet or damp soils. Common, native (USDA).

Onoclea sensibilis L. SENSITIVE FERN. September 18, 2012, found in Houghton West woods. Open swamps, wet areas, marshes, or low woods, in sun or shade. Common, native (USDA).

Polystichum acrostichoides (Michx.) Schott var. *acrostichoides*. CHRISTMAS FERN. September 9, 2012, found in some woods behind Lambein. Woodlands and shady, rocky slopes, moist to moderately dry soil. Common, native (USDA).

ELAEAGNACEAE (OLEASTER FAMILY)

Elaeagnus umbellata Thunb. AUTUMN OLIVE. May 17, 2012, found on the edge of the woods near the Townhouses. Woods, woodland margins. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

EQUISETACEAE (HORSETAIL FAMILY)

Equisetum arvense L. FIELD HORSETAIL. September 18, 2012, found on the bank of a creek in Houghton West. Fields, woods, glades, marshes, roadsides, waste places; prefers damp, sandy, semi-shaded areas. Common, native (USDA).

Equisetum hyemale L. SCOURINGRUSH HORSETAIL. ROUGH HORSETAIL. September 18, 2012, found on the bank of a creek in Houghton West. Moist soils in woods, fields, swamps, riverbanks, roadsides. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Equisetum variegatum Schleich. ex F. Weber & D. Mohr. VARIEGATED SCOURINGRUSH. VARIEGATED HORSETAIL. September 22, 2012, found on the bank of a creek in Houghton West. Cool, shady, sandy spots in open woods, riverbanks, and wet meadows. Common, native (USDA).

ERICACEAE (HEATH FAMILY)

Gaultheria procumbens L. EASTERN TEABERRY. WINTERGREEN. CHECKERBERRY. September 28, 2012, found in Houghton East woods. Woods, woodland margins. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Rhododendron maximum L. GREAT LAUREL. ROSEBAY. October 10, 2012, found in a mulched area next to Luckey. Cultivated, damp woods and swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Vaccinium angustifolium Aiton. LOWBUSH BLUEBERRY. EARLY LOW BLUEBERRY. May 23, 2012, found in Houghton East woods. Dry, open soil. Common, native (USDA).

Vaccinium stamineum L. DEERBERRY. May 23, 2012, found in Houghton East woods. Dry woods, clearings. Uncommon, native (USDA).

EUPHORBIACEAE (SPURGE FAMILY)

Acalypha rhomboidea Raf. COMMON THREESEED MERCURY. September 19, 2012, found near Rothenbueler. Fields, roadsides, waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Chamaesyce maculata (L.) Small. SPOTTED SANDMAT. October 1, 2012, found in a waste place on far edge of the Field of Dreams. Roadsides, waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

FABACEAE (PEA FAMILY)

Amphicarpaea bracteata (L.) Fernald. AMERICAN HOGPEANUT. September 18, 2012, found near a creek in Houghton West. Moist thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Cercis canadensis L. var. *canadensis*. EASTERN REDBUD. October 10, 2012, found next to the Houghton Wesley Chapel. Cultivated, rich woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Gleditsia triacanthos L. HONEYLOCUST. Observed behind the Campus Center and in front of Gillette. Cultivated; moist woods, bottomlands, stream banks, and drier upland sites. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Lathyrus latifolius L. PERENNIAL PEA. EVERLASTING PEA. October 11, 2012, found on the roadside behind Paine. Escaped from cultivation to roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Lathyrus ochroleucus Hook. CREAM PEA. CREAM-COLORED VETCHLING. October 13, 2012, found in Houghton East woods. Woods and rocky slopes. Common, native (USDA).

Lotus corniculatus L. var. *corniculatus*. BIRD'S-FOOT TREFOIL. May 25, 2012, found in a field at the Houghton Equestrian Center. Fields and roadsides. Common, introduced (USDA).

Medicago lupulina L. BLACK MEDICK. May 17, 2012, found near the Townhouses. Roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Medicago sativa L. ALFALFA. September 29, 2012, found in a field at the Field of Dreams. Escaped from cultivation to roadsides and waste places. Common, introduced (USDA).

Melilotus officinalis (L.) Lam. SWEETCLOVER. WHITE SWEET CLOVER. YELLOW SWEET CLOVER. May 26, 2012, found on a hill next to the path up to the gym. Roadsides and waste places. Common, introduced (USDA).

Robinia pseudoacacia L. BLACK LOCUST. October 10, 2012, found on a lawn at the Field of Dreams. Cultivated or escaped from cultivation to open woods and woodland margins. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Securigera varia (L.) Lassen. CROWN VETCH. September 23, 2012, found near a creek in Houghton West. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Trifolium aureum Pollich. GOLDEN CLOVER. HOP CLOVER. September 28, 2012, found on the Houghton East ski hill. Fields and roadsides. Common, introduced (USDA).

Trifolium hybridum L. ALSIKE CLOVER. ALSATIAN CLOVER. May 23, 2012, found in a field near the track. Fields and roadsides. Common, introduced (USDA).

Trifolium pratense L. RED CLOVER. May 26, 2012, found on a hill next to the path up to the gym. Fields and meadows. Common, introduced (USDA).

Trifolium repens L. WHITE CLOVER. May 21, 2012, found in a field at the Houghton Equestrian Center. Grassy fields, roadsides, and waste places. Common, introduced (USDA).

Vicia cracca L. BIRD VETCH. COW VETCH. TUFTED VETCH. May 28, 2012, found in a grassy area near the gym. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Vicia laxiflora Brot. SLENDER VETCH. May 21, 2012, found next to a dirt road at the Houghton Equestrian Center. Fields and waste places. Uncommon, introduced (USDA).

FAGACEAE (BEECH FAMILY)

Castanea dentata (Marshall) Borkh. AMERICAN CHESTNUT. October 13, 2012, found in Houghton East woods. Moist woods. Common, native (USDA).

Fagus grandifolia Ehrh. AMERICAN BEECH. October 10, 2012, found in Houghton East. Woods. Common, native (USDA).

Quercus alba L. WHITE OAK. October 10, 2012, found in Houghton East woods. Dry and moist woods, rocky hillsides. Common, native (USDA).

Quercus macrocarpa Michx. BUR OAK. MOSSYCUP OAK. October 13, 2012, found in the middle of a field at the Field of Dreams. Open woods, fields, sandy ridges, stream banks. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Quercus palustris Münchh. PIN OAK. October 10, 2012, found along the Houghton campus quad. Cultivated, wet woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Quercus rubra L. NORTHERN RED OAK. October 10, 2012, found in Houghton East woods. Woods, slopes, and ravines with moderately moist soil. Common, native (USDA).

Quercus velutina Lam. BLACK OAK. October 10, 2012, found in Houghton East woods. Dry, sandy woods. Common, native (USDA).

GERANIACEAE (GERANIUM FAMILY)

Geranium dissectum L. CUTLEAF GERANIUM. CUT-LEAVED CRANE'S-BILL. May 23, 2012, found in a lawn near the track. Fields, lawns, and waste places. Rare, introduced (USDA). *Not listed for Allegany County on USDA website.*

Geranium maculatum L. SPOTTED GERANIUM. WILD GERANIUM. SPOTTED CRANESBILL. May 22, 2012, found in the woods behind the Townhouses. Woods and meadows. Common, native (USDA).

Geranium robertianum L. ssp. *robertianum*. ROBERT GERANIUM. HERB ROBERT. May 17, 2012, found in the woods behind the Townhouses. Rocky woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

HAMAMELIDACEAE (WITCH-HAZEL FAMILY)

Hamamelis virginiana L. AMERICAN WITCHHAZEL. October 10, 2012, found next to the Rothenbueler path. Moist woods, thickets. Common, native (USDA).

HIPPOCASTANACEAE (HORSE-CHESTNUT FAMILY)

Aesculus hippocastanum L. HORSE CHESTNUT. October 11, 2012, found in the middle of a lawn behind Fancher Hall. Cultivated. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

IRIDACEAE (IRIS FAMILY)

Iris germanica L. GERMAN IRIS. October 11, 2012, found in a mulched area next to the greenhouse. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Iris versicolor L. HARLEQUIN BLUEFLAG. LARGER BLUE FLAG. May 28, 2012, found in a grassy area near the gym. Marshes and wet meadows. Uncommon, native (USDA).

Sisyrinchium montanum Greene. STRICT BLUE-EYED GRASS. May 25, 2012, found in a field at the Houghton Equestrian Center. Fields and meadows. Uncommon, native (USDA).

JUGLANDACEAE (WALNUT FAMILY)

Carya cordiformis (Wangenh.) K. Koch. BITTERNUT HICKORY. October 10, 2012, found in Houghton East woods. Woodlands, rich bottomlands, rocky hillsides, and stream banks. Common, native (USDA).

Carya ovata (Mill.) K. Koch. SHAGBARK HICKORY. Observed in Houghton West woods, Houghton East woods, and in fringe wooded areas around campus. Shaded woods, floodplains, swamps, and stream banks. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Juglans cinerea L. BUTTERNUT. Observed in Houghton East woods. Woods with moderately moist soil, stream banks. Uncommon, native (USDA).

Juglans nigra L. BLACK WALNUT. October 10, 2012, found near Townhouses. Cultivated; rich, moist woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

JUNCACEAE (RUSH FAMILY)

Juncus effusus L. var. *solutus* Fernald & Wiegand. LAMP RUSH. SOFT RUSH. September 19, 2012, found next to a creek near Rothenbueler. Swamps, moist fields, floodplains, shores, and ditches. Common, native (USDA).

Juncus tenuis Willd. POVERTY RUSH. PATH RUSH. September 28, 2012, found in a sandy, unpaved parking lot at a side entrance to Houghton East woods. Heavily compacted soil of woods, fields, waste places, and paths. Common, native (USDA).

LAMIACEAE (MINT FAMILY)

Ajuga reptans L. COMMON BUGLE. May 2, 2012, found next to the path to the Townhouses and Flats. Escaped from cultivation to lawns and roadsides. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Clinopodium vulgare L. WILD BASIL. September 18, 2012, found near a creek in Houghton West. Woods and woodland margins. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Collinsonia canadensis L. RICHWEED. HORSE BALM. STONEROOT. September 23, 2012, found in a clearing in Houghton West woods, with *Adiantum pedatum* L. Rich woods. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Galeopsis tetrahit L. BRITTLESTEM HEMPNETTLE. September 22, 2012, found near a creek in Houghton West. Moist open woods, stream banks, roadsides, waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Glechoma hederacea L. GROUND IVY. April 16, 2012, found in a lawn near the Townhouses. Lawns, moist waste places. Common, introduced (USDA).

Lamiastrum galeobdolon (L.) Ehrend. & Polatschek. YELLOW ARCHANGEL. YELLOW DEAD NETTLE. May 3, 2012, found on a hill behind the Wesley Chapel. Escaped from cultivation to roadsides and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Lamium amplexicaule L. HENBIT DEADNETTLE. September 29, 2012, found in a waste place on far edge of the Field of Dreams. Roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Lamium purpureum L. PURPLE DEADNETTLE. May 2, 2012, found next to the path to the Townhouses and Flats. Roadsides and waste places. Common, introduced (USDA).

Leonurus cardiaca L. COMMON MOTHERWORT. September 6, 2012, found next to a creek behind Lambein. Waste places. Uncommon, introduced (USDA).

Lycopus americanus Muhl. ex W.P.C. Barton. AMERICAN WATER HOREHOUND. September 16, 2012, found next to a drainage ditch near the Houghton College campus entrance. Moist and wet places. Common, native (USDA).

Mentha ×piperita L. (pro sp.) [*aquatica* × *spicata*]. PEPPERMINT. September 7, 2012, found near the Townhouses. Wet places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Mentha arvensis L. WILD MINT. September 25, 2012, found near a pond at the Houghton Equestrian Center. Moist or wet open places, occasionally in dry soil. Common, native (USDA).

Mentha suaveolens Ehrh. APPLE MINT. October 8, 2012, found in a waste place on far edge of the Field of Dreams. Waste places. Uncommon, introduced (USDA).

Nepeta cataria L. CATNIP. October 2, 2012, found on an overgrown field at the Field of Dreams. Fields and waste places. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Prunella vulgaris L. COMMON SELFHEAL. May 28, 2012, found in a lawn near the gym. Lawns, fields, and roadsides. Common, native (USDA), introduced (Cattaraugus, 1987).

Scutellaria lateriflora L. BLUE SKULLCAP. MAD-DOG SKULLCAP. September 23, 2012, found in rocky soil next to a creek in Houghton West. Wet or moist woods and thickets. Uncommon, native (USDA).

Stachys palustris L. MARSH HEDGENETTLE. September 12, 2012, found on the edge of a drainage ditch near the Houghton College campus entrance. Low meadows, swamps, and shores. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

LAURACEAE (LAUREL FAMILY)

Sassafras albidum (Nutt.) Nees. SASSAFRAS. October 13, 2012, found in Houghton East woods. Open woodlands, roadsides, and fence rows. Rare, native (USDA).

LENTIBULARIACEAE (BLADDERWORT FAMILY)

Utricularia macrorhiza Leconte. COMMON BLADDERWORT. September 29, 2012, observed in a creek at the Field of Dreams. Ponds and streams. Common, native (USDA). *Not listed for Allegany County on USDA website.*

LILIACEAE (LILY FAMILY)

Allium tricoccum Aiton. RAMP. WILD LEEK. September 18, 2012, found in Houghton West woods. Rich woods. Common, native (USDA).

Convallaria majalis L. EUROPEAN LILY OF THE VALLEY. May 22, 2012, found outside of Paine. Cultivated, escaped from cultivation to woods and thickets. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Erythronium americanum Ker Gawl. ssp. *americanum*. DOGTOOTH VIOLET. TROUT LILY. YELLOW ADDER'S TONGUE. April 16, 2012, found in some woods behind Lambein. Moist woods. Common, native (USDA).

Hosta lancifolia (Thunb.) Engl. NARROWLEAF PLANTAIN LILY. HOSTA. October 13, 2012, found in a mulched area between Rothenbueler and Randall. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Maianthemum canadense Desf. CANADA MAYFLOWER. WILD LILY-OF-THE-VALLEY. May 22, 2012, found on the edge of some woods behind Fancher Hall. Woods, floodplains, bog margins. Common, native (USDA).

Maianthemum racemosum (L.) Link ssp. *racemosum*. FEATHERY FALSE LILY OF THE VALLEY. FALSE SOLOMON'S SEAL. WILD SPIKENARD. May 24, 2012, found on a wooded hillside next to a creek in Houghton East woods. Wooded banks and roadsides. Common, native (USDA).

Muscari botryoides (L.) Mill. COMMON GRAPE HYACINTH. Observed in a lawn near Lambein. Cultivated, escaped to fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Narcissus pseudonarcissus L. DAFFODIL. Observed in a mulched area next to the library. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Polygonatum pubescens (Willd.) Pursh. HAIRY SOLOMON'S SEAL. May 22, 2012, found on the edge of some woods behind Fancher Hall. Dry to moist woods. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Prosartes lanuginosa (Michx.) D. Don. YELLOW FAIRYBELLS. YELLOW MANDARIN. May 23, 2012, found on a wooded hillside next to a creek in Houghton East woods. Rich woods. Rare, native (USDA).

Scilla siberica Haw. SIBERIAN SQUILL. Observed in a wooded area at the Field of Dreams. Escaped from cultivation to mesic bottoms, moist slopes, roadsides, and fields. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Trillium grandiflorum (Michx.) Salisb. WHITE TRILLIUM. LARGE-FLOWERED TRILLIUM. May 23, 2012, found on a wooded hillside next to a creek in Houghton East woods. Rich woods. Rare, native (USDA).

LYTHRACEAE (LOOSESTRIFE FAMILY)

Lythrum salicaria L. PURPLE LOOSESTRIFE. September 23, 2012, found next to a creek in Houghton West. Swamps and wet meadows. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

MAGNOLIACEAE (MAGNOLIA FAMILY)

Magnolia acuminata (L.) L. CUCUMBER-TREE. October 10, 2012, found in Houghton East woods. Rich, wooded slopes and stream banks. Common, native (USDA).

Magnolia stellata (Siebold & Zucc.) Maxim. STAR MAGNOLIA. October 13, 2012, found in a mulched area in front of the library. Cultivated. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

MALVACEAE (MALLOW FAMILY)

Abutilon theophrasti Medik. VELVETLEAF. INDIAN MALLOW. September 25, 2012, found in sandy soil near a creek at the Field of Dreams. Waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Malva moschata L. MUSK MALLOW. May 28, 2012, found next to a dirt road at the Houghton Equestrian Center. Roadsides and waste places. Common, introduced (USDA).

Malva neglecta Wallr. COMMON MALLOW. September 19, 2012, found next to the path to the Townhouses and Flats. Waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

MENISPERMACEAE (MOONSEED FAMILY)

Menispermum canadense L. COMMON MOONSEED. September 24, 2012, found next to the Rothenbueler path. Rich woods and thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

MONOTROPACEAE (INDIAN PIPE FAMILY)

Monotropa hypopithys L. PINESAP. October 13, 2012, found in Houghton East woods. Pine or oak woods. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Monotropa uniflora L. INDIANPIPE. October 3, 2012, found in the woods across the road from the Houghton Equestrian Center. Shaded moist woods. Uncommon, native (USDA).

OLEACEAE (OLIVE FAMILY)

Forsythia suspensa (Thunb.) Vahl. WEEPING FORSYTHIA. October 10, 2012, found next to the Rothenbueler path. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Fraxinus americana L. WHITE ASH. October 10, 2012, found in Houghton East woods. Rich woods, well-drained stream banks, and pastures. Common, native (USDA).

Ligustrum vulgare L. EUROPEAN PRIVET. October 10, 2012, found next to the path to the Townhouses and Flats. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Syringa vulgaris L. COMMON LILAC. October 13, 2012, found near Gillette. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

ONAGRACEAE (EVENING PRIMROSE FAMILY)

Circaea lutetiana L. ssp. *canadensis* (L.) Asch. & Magnus. BROADLEAF ENCHANTER'S NIGHTSHADE. Observed in Houghton East woods, on the edge of the blue trail between the ski hill and the track entrance. Woods and thickets. Uncommon, native (USDA).

Epilobium ciliatum Raf. ssp. *ciliatum*. FRINGED WILLOWHERB. October 2, 2012, found near a ditch at the Field of Dreams. Bogs, meadows, and moist stream banks. Common, native (USDA).

Epilobium coloratum Biehler. PURPLELEAF WILLOWHERB. September 6, 2012, found near Lambein. Bogs and swamps. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Epilobium leptophyllum Raf. BOG WILLOWHERB. September 25, 2012, found near a pond at the Houghton Equestrian Center. Bogs and swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Ludwigia palustris (L.) Elliott. MARSH SEEDBOX. WATER PURSLANE. September 16, 2012, found in a drainage ditch near the Houghton College campus entrance. Wet places, floating in water or rooted in the mud. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Oenothera biennis L. COMMON EVENING PRIMROSE. September 18, 2012, found on dry ground near a creek in Houghton West. Dry rocky fields, disturbed areas, lake shores, open woods. Common, native (USDA).

ORCHIDACEAE (ORCHID FAMILY)

Epipactis helleborine (L.) Crantz. BROADLEAF HELLEBORINE. September 23, 2012, found in Houghton West woods. Woods and thickets. Uncommon, introduced (USDA).

OROBANCHACEAE (BROOM-RAPE FAMILY)

Conopholis americana (L.) Wallr. AMERICAN CANCER-ROOT. SQUAWROOT. May 24, 2012, found in Houghton East woods. Woods, under oaks. Rare, native (USDA). *Not listed for Allegany County on USDA website.*

Epifagus virginiana (L.) W.P.C. Barton. BEECHDROPS. September 18, 2012, found in Houghton West woods. Woods, under beeches. Common, native (USDA).

OSMUNDACEAE (ROYAL FERN FAMILY)

Osmunda cinnamomea L. var. *cinnamomea*. CINNAMON FERN. September 23, 2012, found in Houghton West Woods. Wet woods, wet meadows, and swamps. Uncommon, native (USDA).

Osmunda claytoniana L. INTERRUPTED FERN. September 23, 2012, found in Houghton West woods. Moist woods, ditches, swamp margins, wet or dry meadows. Common, native (USDA).

OXALIDACEAE (WOOD-SORREL FAMILY)

Oxalis stricta L. COMMON YELLOW OXALIS. YELLOW WOOD SORREL. September 29, 2012, found on a lawn at the Field of Dreams. Gardens and roadsides. Common, native (USDA).

PAPAVERACEAE (POPPY FAMILY)

Chelidonium majus L. CELANDINE. May 17, 2012, found next to the path to the Townhouses and Flats, with *Aquilegia vulgaris* L. Damp soil of roadsides and waste places. Uncommon, introduced (USDA).

Sanguinaria canadensis L. BLOODROOT. April 16, 2012, found on a wooded hill next to Lambein. Rich woods. Rare, native (USDA).

PHYTOLACCACEAE (POKEWEED FAMILY)

Phytolacca americana L. var. *americana*. AMERICAN POKEWEED. September 18, 2012, found in Houghton West woods. Open woods and thickets with moist soil. Common, native (USDA).

PINACEAE (PINE FAMILY)

Abies fraseri (Pursh) Poir. FRASER FIR. April 4, 2013, found behind the music building. Cultivated, coniferous forests. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Picea abies (L.) Karst. NORWAY SPRUCE. April 1, 2013, found in the woods across the road from the Houghton Equestrian Center. Cultivated, escaped from cultivation; moist, rich, acidic soil. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Picea breweriana S. Watson. BREWER SPRUCE. WEEPING SPRUCE. April 4, 2013, found outside the Wesley Chapel. Cultivated, moist soil. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Picea glauca (Moench) Voss. WHITE SPRUCE. April 2, 2013, found in a grassy area across the road from Gillette. Cultivated; upland woods, moist slopes, and stream banks. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Picea mariana (Mill.) Britton, Sterns & Poggenb. BLACK SPRUCE. April 4, 2013, found in a mulched area next to the Luckey building. Cultivated; peat bogs, floodplains, and swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Picea ×albertiana S. Br. [*glauca* × *engelmannii*]. WESTERN WHITE SPRUCE. DWARF ALBERTA SPRUCE. Observed at the Townhouses and near the Campus Center. Cultivated. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Pinus mugo Turra. MUGO PINE. April 4, 2013, found in a mulched area next to the Townhouses. Cultivated; sunny spots with moist, well-drained soil. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Pinus resinosa Aiton. RED PINE. April 1, 2013, found on the edge of a field across the road from the Houghton Equestrian Center. Dry or moist sandy soil. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Pinus strobus L. EASTERN WHITE PINE. April 1, 2013, found on the edge of a field across the road from the Houghton Equestrian Center. Rich, moist, well-drained soils; rocky stream banks. Common, native (USDA).

Pinus sylvestris L. SCOTS PINE. April 1, 2013, found next to a creek across the road from the Houghton Equestrian Center. Escaped from cultivation; Dry or moist, well-drained soil; sunny areas. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Tsuga canadensis (L.) Carrière. EASTERN HEMLOCK. April 1, 2013, found in the woods across the road from the Houghton Equestrian Center. Rocky ridges, moist mountain slopes; well-drained or moist acidic soils. Common, native (USDA).

PLANTAGINACEAE (PLANTAIN FAMILY)

Plantago lanceolata L. NARROWLEAF PLANTAIN. ENGLISH PLANTAIN. May 21, 2012, found in the grass next to a dirt road at the Houghton Equestrian Center. Lawns and fields. Common, introduced (USDA).

Plantago major L. COMMON PLANTAIN. October 2, 2012, found on a lawn at the Field of Dreams. Lawns, roadsides, and waste places. Common, introduced (USDA).

PLATANACEAE (PLANE-TREE FAMILY)

Platanus occidentalis L. AMERICAN SYCAMORE. October 10, 2012, found on the bank of a creek near Randall. Rich woods and floodplains. Common, native (USDA).

POACEAE (GRASS FAMILY)

Brachyelytrum erectum (Schreb. ex Spreng.) P. Beauv. BEARDED SHORTHUSK. September 28, 2012, found in Houghton East woods. Moist woods and thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Bromus inermis Leyss. ssp. *inermis*. SMOOTH BROME. September 29, 2012, found in a grassy place near a creek at the Field of Dreams. Escaped from cultivation to fields, roadsides, and waste places. Common, introduced (USDA).

Dactylis glomerata L. ssp. *glomerata*. ORCHARDGRASS. September 29, 2012, found in a grassy place near a creek at the Field of Dreams. Fields, meadows, and roadsides. Common, introduced (USDA).

Digitaria ischaemum (Schreb.) Schreb. ex Muhl. SMOOTH CRABGRASS. September 28, 2012, found in a sandy, unpaved parking lot at a side entrance to Houghton East woods. Disturbed soil, roadsides, and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Echinochloa crus-galli (L.) P. Beauv. BARNYARDGRASS. September 29, 2012, found at the edge of a field at the Field of Dreams. Fields, meadows, roadsides, and waste places. Common, introduced (USDA).

Elymus virginicus L. VIRGINIA WILDRYE. October 13, 2012, found on the edge of a creek at the Field of Dreams. Moist woods, meadows, and stream banks. Common, native (USDA).

Eragrostis cilianensis (All.) Vign. ex Janchen. STINKGRASS. September 29, 2012, found in a waste place at the Field of Dreams. Fields, gardens, and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Leersia oryzoides (L.) Sw. RICE CUTGRASS. September 29, 2012, found near a creek at the Field of Dreams. Marshes, bogs, and wet meadows. Common, native (USDA).

Muhlenbergia frondosa (Poir.) Fernald. WIRESTEM MUHLY. September 29, 2012, found near a creek at the Field of Dreams. Moist, open woods and stream banks. Common, native (USDA).

Muhlenbergia uniflora (Muhl.) Fernald. BOG MUHLY. FALL DROPSEED MUHLY. September 28, 2012, found in a sandy, unpaved parking lot at a side entrance to Houghton East woods. Marshes, bogs, and moist, sandy roadsides. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Panicum capillare L. WITCHGRASS. September 28, 2012, found in a sandy, unpaved parking lot at a side entrance to Houghton East woods. Cultivated fields, shores, and roadsides. Common, native (USDA).

Panicum dichotomiflorum Michx. var. *dichotomiflorum*. FALL PANICGRASS. SMOOTH PANIC GRASS. October 2, 2012, found in a field at the Field of Dreams. Dry to moist open woods and meadows. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Phalaris arundinacea L. REED CANARYGRASS. RIBBONGRASS. October 13, 2012, found in a mulched area in front of the Library. Cultivated; marshes, alluvial meadows, shores, and ditches. Common, native (USDA).

Phleum pratense L. TIMOTHY. October 3, 2012, found in a field across the road from the Houghton Equestrian Center. Escaped from cultivation to fields, meadows, and roadsides. Common, introduced (USDA).

Phragmites australis (Cav.) Trin. ex Steud. COMMON REED. September 23, 2012, found near a creek in Houghton West. Marshes, ditches, and moist disturbed ground. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Poa annua L. ANNUAL BLUEGRASS. October 5, 2012, found in a lawn at the Field of Dreams. Open woods, lawns, roadsides, and moist, alluvial soils. Common, introduced (USDA).

Poa compressa L. CANADA BLUEGRASS. October 29, 2012, found in a field at the Field of Dreams. Dry woods, fields, and rock outcrops. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Schedonorus pratensis (Huds.) P. Beauv. MEADOW FESCUE. September 29, 2012, found in a waste place at the Field of Dreams. Meadows, moist shores, roadsides, and disturbed ground. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Setaria faberi Herrm. JAPANESE BRISTLEGRASS. GIANT FOXTAIL. September 28, 2012, found next to a road in Houghton East. Fields, roadsides, and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Setaria pumila (Poir.) Roem. & Schult. ssp. *pumila*. YELLOW FOXTAIL. September 28, 2012, found in a sandy, unpaved parking lot at a side entrance to Houghton East woods. Fields, gardens, and roadsides. Common, introduced (USDA).

Setaria verticillata (L.) P. Beauv. HOOKED BRISTLEGRASS. BRISTLY FOXTAIL. October 8, 2012, found in a waste place at the Field of Dreams. Roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

POLYGALACEAE (MILKWORT FAMILY)

Polygala paucifolia Willd. GAYWINGS. FRINGED POLYGALA. FLOWERING WINTERGREEN. May 3, 2012, found in Houghton East woods. Rich woods. Common, native (USDA).

POLYGONACEAE (BUCKWHEAT FAMILY)

Polygonum aviculare L. PROSTRATE KNOTWEED. DOORWEED. COMMON KNOTGRASS.

September 19, 2012, found on a lawn near Rothenbueler. Lawns and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Polygonum convolvulus L. var. *convolvulus*. BLACK BINDWEED. September 29, 2012, found in a waste place on far edge of the Field of Dreams. Gardens and waste places. Common, introduced (USDA).

Polygonum cuspidatum Siebold & Zucc. JAPANESE KNOTWEED. September 14, 2012, found on the bank of a creek near Randall. Escaped from cultivation to roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Polygonum lapathifolium L. CURLYTOP KNOTWEED. NODDING SMARTWEED. DOCK-LEAVED SMARTWEED. October 2, 2012, found in a waste place on the far edge of the Field of Dreams. Moist soil. Common, native (USDA).

Polygonum persicaria L. SPOTTED LADYSTHUMB. September 16, 2012, found near Townhouses. Gardens and waste places. Common, introduced (USDA).

Polygonum sagittatum L. ARROWLEAF TEARTHUMB. September 24, 2012, found in tall grass next to a wooded area at the Houghton Equestrian Center. Low thickets and wet places. Common, native (USDA).

Polygonum scandens L. var. *scandens*. CLIMBING FALSE BUCKWHEAT. September 24, 2012, found in tall grass next to a wooded area at the Houghton Equestrian Center. Moist woods and thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Polygonum virginianum L. JUMPSEED. VIRGINIA KNOTWEED. September 6, 2012, found on the edge of some woods behind Lambein. Woods and thickets. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Rumex acetosella L. COMMON SHEEP SORREL. FIELD SORREL. May 22, 2012, found near Townhouses. Dry fields and gardens. Common, introduced (USDA).

Rumex crispus L. ssp. *crispus*. CURLY DOCK. May 22, 2012, found behind Lambein. Fields and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Rumex obtusifolius L. BITTER DOCK. BROAD-LEAVED DOCK. May 23, 2012, found on a hill behind the Wesley Chapel. Roadsides, waste places, and rich shade. Common, introduced (USDA).

PORTULACACEAE (PURSLANE FAMILY)

Portulaca oleracea L. LITTLE HOGWEED. PURSLANE. Observed in a waste place on the far edge of the Field of Dreams. Gardens and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

PRIMULACEAE (PRIMROSE FAMILY)

Lysimachia ciliata L. FRINGED LOOSESTRIFE. October 13, 2012, found in Houghton East woods. Moist thickets and shores. Uncommon, native (USDA).

Lysimachia nummularia L. CREEPING JENNY. MONEYWORT. September 18, 2012, found near a creek in Houghton West. Damp ground. Common, introduced (USDA).

Lysimachia quadrifolia L. WHORLED YELLOW LOOSESTRIFE. FOUR-LEAVED LOOSESTRIFE. October 13, 2012, found in Houghton East woods. Woods, thickets, and shores. Uncommon, native (USDA).

Trientalis borealis Raf. ssp. *borealis*. STARFLOWER. May 3, 2012, found in Houghton East woods. Moist woods. Common, native (USDA).

PTERIDACEAE (MAIDENHAIR FERN FAMILY)

Adiantum pedatum L. NORTHERN MAIDENHAIR. September 23, 2012, found in a clearing in Houghton West woods, with *Collinsonia canadensis* L. Rich, moist deciduous woodlands and rocky slopes. Common, native (USDA).

RANUNCULACEAE (BUTTERCUP FAMILY)

Actaea pachypoda Elliott. WHITE BANE BERRY. May 22, 2012, found on a grassy hillside behind Fancher Hall, with *Aquilegia canadensis* L. and *Veronica officinalis* L. var. *officinalis*. Woods and woodland margins. Uncommon, native (USDA).

Anemone virginiana L. var. *virginiana*. TALL ANEMONE. THIMBLEWEED. September 23, 2012, found among large rocks next to a creek in Houghton West. Rocky woods and banks. Common, native (USDA).

Aquilegia canadensis L. RED COLUMBINE. WILD COLUMBINE. May 22, 2012, found on a grassy hillside behind Fancher Hall, with *Actaea pachypoda* Elliott and *Veronica officinalis* L. var. *officinalis*. Rocky woods and ledges. Rare, native (USDA).

Aquilegia vulgaris L. EUROPEAN COLUMBINE. GARDEN COLUMBINE. May 22, 2012, found next to the path to the Townhouses and Flats, with *Chelidonium majus* L. Roadsides and fields. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Clematis virginiana L. DEVIL'S DARNING NEEDLES. VIRGIN'S BOWER. September 25, 2012, found at the edge of a wooded area at the Field of Dreams. Moist thickets. Common, native (USDA).

Coptis trifolia (L.) Salisb. THREELEAF GOLDTHREAD. September 29, 2012, found near a creek in Houghton East woods. Moist woods and bogs. Common, native (USDA).

Hepatica nobilis Schreb. var. *acuta* (Pursh) Steyererm. SHARPLOBE HEPATICA. May 23, 2012, found in Houghton East woods. Woods. Common, native (USDA).

Hepatica nobilis Schreb. var. *obtusa* (Pursh) Steyererm. ROUNDLOBE HEPATICA. May 27, 2012, found in Houghton East woods, with *Symphyotrichum undulatum* and *Hieracium venosum*. Woods. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Ranunculus abortivus L. LITTLELEAF BUTTERCUP. SMALL-FLOWERED CROWFOOT. May 3, 2012, found in Houghton East woods. Woods and moist slopes. Common, native (USDA).

Ranunculus acris L. var. *acris*. SHOWY BUTTERCUP. TALL BUTTERCUP. May 17, 2012, found near Townhouses. Fields and meadows. Common, introduced (USDA).

Ranunculus hispidus Michx. var. *hispidus*. BRISTLY BUTTERCUP. HISPID BUTTERCUP. May 3, 2012, found in Houghton East woods. Dry or rich woods and ledges. Common, native (USDA).

Ranunculus recurvatus Poir. var. *recurvatus*. BLISTERWORT. HOOKED CROWFOOT. May 23, 2012, found near a creek on a muddy hill in Houghton East woods. Damp woods and stream banks. Common, native (USDA).

Ranunculus hispidus Michx. var. *caricetorum* (Greene) T. Duncan. BRISTLY BUTTERCUP. SWAMP BUTTERCUP. May 23, 2012, found in a swampy area in Houghton East woods. Wet woods and meadows. Common, native (USDA).

Ranunculus repens L. CREEPING BUTTERCUP. Observed in a lawn near the library. Ditches and low grounds. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Thalictrum dioicum L. EARLY MEADOW-RUE. October 3, 2012, found in the woods across the road from the Houghton Equestrian Center, near a creek. Rocky woods. Common, native (USDA).

Thalictrum pubescens Pursh. KING OF THE MEADOW. TALL MEADOW-RUE. October 3, 2012, found in the woods across the road from the Houghton Equestrian Center, near a creek. Sunny swamps and low meadows. Common, native (USDA).

RHAMNACEAE (BUCKTHORN FAMILY)

Frangula alnus Mill. GLOSSY BUCKTHORN. October 13, 2012, found on the edge of some woods at the Field of Dreams. Swamps and damp open woods. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Rhamnus cathartica L. COMMON BUCKTHORN. October 13, 2012, found on the edge of some woods at the Field of Dreams. Woods, old fields, and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

ROSACEAE (ROSE FAMILY)

Agrimonia gryposepala Wallr. TALL HAIRY AGRIMONY. AGRIMONY. September 23, 2012, found near a creek in Houghton West woods. Woods and thickets. Common, native (USDA).

Amelanchier arborea (Michx. f.) Fernald var. *arborea*. COMMON SERVICEBERRY. COMMON SHADBUSH. October 10, 2012, found in Houghton East woods. Rich woods and thickets. Common, native (USDA).

Crataegus sp. HAWTHORN. October 10, 2012, found in Houghton East woods. Woods and thickets. Common, most are, native (USDA).

Dasiphora fruticosa (L.) Rydb. ssp. *floribunda* (Pursh) Kartesz. SHRUBBY CINQUEFOIL. September 27, 2012, found in a mulched area next to the Townhouses. Cultivated; bogs, pastures, and rocky places. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Fragaria virginiana Duchesne ssp. *virginiana*. VIRGINIA STRAWBERRY. WILD STRAWBERRY. FIELD STRAWBERRY. May 25, 2012, found at the edge of a field at the Houghton Equestrian Center. Fields. Common, native (USDA).

Geum canadense Jacq. var. *canadense*. WHITE AVENS. September 19, 2012, found in a thicket near a creek next to Rothenbueler. Thickets and open woods. Common, native (USDA).

Malus coronaria (L.) Mill. SWEET CRAB APPLE. AMERICAN CRABAPPLE. October 10, 2012, found next to a clearing in Houghton East Woods. Rich open woods, woodland margins, thickets, and stream banks. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Malus pumila Mill. PARADISE APPLE. October 13, 2012, found next to the Roth path. Cultivated. Common, introduced (USDA).

Potentilla argentea L. var. *argentea*. SILVER CINQUEFOIL. May 22, 2012, found in a lawn near Lambein. Dry open places. Common, introduced (USDA).

Potentilla norvegica L. ssp. *monspeliensis* (L.) Asch. & Graebn. NORWEGIAN CINQUEFOIL. ROUGH CINQUEFOIL. October 3, 2012, found on the edge of a field across the road from the Houghton Equestrian Center. Clearings, roadsides, and waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Potentilla recta L. SULFUR CINQUEFOIL. ROUGH-FRUITED CINQUEFOIL. May 28, 2012, found in a grassy place near the gym. Dry fields and roadsides. Common, introduced (USDA).

Potentilla simplex Michx. COMMON CINQUEFOIL. May 17, 2012, found in a lawn near the Townhouses. Open woods and fields. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Prunus pensylvanica L. f. var. *pensylvanica*. PIN CHERRY. FIRE CHERRY. October 10, 2012, found near the Luckey building. Cultivated. Common, native (USDA).

Prunus serotina Ehrh. var. *serotina*. BLACK CHERRY. October 10, 2012, found in Houghton East woods. Open woods, clearings, and woodland margins. Common, native (USDA).

Prunus virginiana L. var. *virginiana*. CHOKECHERRY. May 3, 2012, found on a hill next to the path up to the gym. Fields and meadows. Uncommon, native (USDA).

Pyrus calleryana Decne. CALLERY PEAR. October 10, 2012, found next to the Chamberlain Center. Cultivated. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Rosa multiflora Thunb. MULTIFLORA ROSE. May 28, found on the edge of Houghton East woods near the gym. Escaped from cultivation to moist thickets and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Rubus allegheniensis Porter var. *allegheniensis*. ALLEGHENY BLACKBERRY. May 21, 2012, found on the edge of some woods at the Houghton Equestrian Center. Open woods, dry fields, and roadsides. Common, native (USDA).

Rubus idaeus L. ssp. *strigosus* (Michx.) Focke. GRAYLEAF RED RASPBERRY. AMERICAN RED RASPBERRY. May 22, 2012, found on the edge of some woods behind Lambein. Wet woods and bogs to dry wooded slopes and clearings. Common, native (USDA).

Rubus odoratus L. var. *odoratus*. PURPLEFLOWERING RASPBERRY. September 6, 2012, found in some woods behind Lambein. Moist, shady places and woodland margins. Common, native (USDA).

Sanguisorba minor Scop. ssp. *balearica* (Bourg. ex Nyman) M. Garm. & C. Navarro. SMALL BURNET. September 23, 2012, found in rocky ground near a creek in Houghton West. Escaped from cultivation to meadows, shrub lands, and disturbed ground. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Spiraea japonica L. f. JAPANESE MEADOWSWEET. October 13, 2012, found in a mulched area near the Townhouses. Cultivated; fields, wet meadows, swamps, marshes, and stream banks. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Spiraea xvanhouttei (Briot) Carrière [*cantoniensis* x *trilobata*]. VANHOUTTE SPIREA. May 26, 2012, found at the edge of some woods near the gym. Cultivated; moist slopes and meadows. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Waldsteinia fragarioides (Michx.) Tratt. ssp. *fragarioides*. APPALACHIAN BARREN STRAWBERRY. May 3, 2012, found in Houghton East woods. Woods. Common, native (USDA).

RUBIACEAE (MADDER FAMILY)

Galium aparine L. STICKYWILLY. CLEAVERS. May 21, 2012, found on the edge of a wooded area at the Houghton Equestrian Center. Woods, thickets, and shores. Common, native (USDA).

Galium asprellum Michx. ROUGH BEDSTRAW. May 23, 2012, found near a pond at the track. Damp woods, stream banks, emergent marshes and meadows, and roadsides. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Galium circaeans Michx. var. *hypomalacum* Fernald. LICORICE BEDSTRAW. WILD LICORICE. September 28, 2012, found in Houghton East woods. Woods. Common, native (USDA).

Galium mollugo L. FALSE BABY'S BREATH. WILD MADDER. Observed in a wooded area of the Field of Dreams. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Galium palustre L. COMMON MARSH BEDSTRAW. May 28, 2012, found near a pond at the Houghton Equestrian Center. Wet meadows and swamps. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Galium tinctorium (L.) Scop. STIFF MARSH BEDSTRAW. CLAYTON'S BEDSTRAW. May 23, 2012, found near a pond at the Houghton Equestrian Center. Swamps, wet meadows, and low grounds. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Galium verum L. YELLOW SPRING BEDSTRAW. September 25, 2012, found near a pond at the Houghton Equestrian Center. Fields and roadsides. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Mitchella repens L. PARTRIDGEBERRY. September 18, 2012, found in Houghton West woods. Woods. Common, native (USDA).

SALICACEAE (WILLOW FAMILY)

Populus balsamifera L. ssp. *balsamifera*. BALSAM POPLAR. October 10, 2012, found near a creek in Houghton West. Stream banks and conifer swamps. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Populus deltoides W. Bartram ex Marshall ssp. *deltoides*. EASTERN COTTONWOOD. COMMON COTTONWOOD. October 10, 2012, found on the bank of a creek near Randall. Stream banks and rich bottomlands. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Populus grandidentata Michx. BIGTOOTH ASPEN. October 10, 2012, found in Houghton East woods. Woods and clearings with rich soil. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Populus tremuloides Michx. QUAKING ASPEN. October 11, 2012, found in Houghton East woods. Moist woods, disturbed areas, and stream banks. Common, native (USDA).

Salix alba L. WHITE WILLOW. October 10, 2012, found near the entrance of the Field of Dreams. Escaped from cultivation to rich woods and stream banks. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Salix bebbiana Sarg. BEBB WILLOW. October 10, 2012, found near the entrance of the Field of Dreams. Thickets. Common, native (USDA).

Salix nigra Marshall. BLACK WILLOW. October 13, 2012, found near a creek in front of Randall. Damp soils. Common, native (USDA). *Not listed for Allegany County on USDA website.*

SAXIFRAGACEAE (SAXIFRAGE FAMILY)

Tiarella cordifolia L. var. *cordifolia*. HEARTLEAF FOAMFLOWER. FALSE MITERWORT. September 18, 2012, found in Houghton West woods. Rich woods. Common, native (USDA).

SCROPHULARIACEAE (FIGWORT FAMILY)

Chaenorhinum minus (L.) Lange. DWARF SNAPDRAGON. September 22, 2012, found in rocky ground near a creek in Houghton West. Waste places. Uncommon, introduced (USDA).

Chelone glabra L. WHITE TURTLEHEAD. September 18, 2012, found on the bank of a creek in Houghton West. Swamps and stream banks. Common, native (USDA).

Gratiola neglecta Torr. CLAMMY HEDGEHYSSOP. October 2, 2012, found in near a creek at the Field of Dreams. Wet or muddy places. Common, native (USDA).

Linaria vulgaris Mill. BUTTER AND EGGS. September 24, 2012, found near the Townhouses. Roadsides and waste places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Melampyrum lineare Desr. NARROWLEAF COWWHEAT. May 27, 2012, found in Houghton East woods. Dry woods. Common, native (USDA).

Mimulus ringens L. var. *ringens*. ALLEGHENY MONKEYFLOWER. October 13, 2012, found Houghton East woods. Wet places. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

Scrophularia marilandica L. CARPENTER'S SQUARE. MARYLAND FIGWORT. October 2, 2012, found on the edge of some woods at the Field of Dreams. Woods and thickets. Common, native (USDA).

Verbascum blattaria L. MOTH MULLEIN. September 22, 2012, found near a creek in Houghton West. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Verbascum thapsus L. COMMON MULLEIN. September 23, 2012, found near a creek in Houghton West. Fields and roadsides. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Veronica americana Schwein. ex Benth. AMERICAN SPEEDWELL. AMERICAN BROOKLIME. May 17, 2012, found in a wet place near the Townhouses. Swamps and brooks. Common, native (USDA).

Veronica anagallis-aquatica L. WATER SPEEDWELL. May 22, 2012, found in a wet place near the Townhouses. Swamps and brooks. Common, native (USDA).

Veronica arvensis L. CORN SPEEDWELL. May 3, 2012, found in a lawn near the Townhouses. Open woods, fields, and rocky places. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Veronica chamaedrys L. GERMANDER SPEEDWELL. BIRD'S-EYE SPEEDWELL. May 28, 2012, found on the edge of a field at the Houghton Equestrian Center. Fields. Common, introduced (USDA).

Veronica filiformis Sm. THREADSTALK SPEEDWELL. April 16, 2012, found in a lawn near Lambein. Fields, gardens, and lawns. Common, introduced (USDA). *Not listed for Allegany County on USDA website.*

Veronica officinalis L. var. *officinalis*. COMMON GYPSYWEED. COMMON SPEEDWELL. May 22, 2012, found on a grassy hillside behind Fancher Hall, with *Aquilegia canadensis* L. and *Actaea pachypoda* Elliott. Woods, fields, and lawns. Common, introduced (USDA).

Veronica persica Poir. BIRDEYE SPEEDWELL. PERSIAN SPEEDWELL. May 23, 2012, found in a field at the Field of Dreams. Fields. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

Veronica serpyllifolia L. ssp. *serpyllifolia*. THYMELEAF SPEEDWELL. May 21, 2012, found on the edge of a field at the Houghton Equestrian Center. Grassy places or damp soil. Common, introduced (USDA).

SOLANACEAE (POTATO FAMILY)

Physalis heterophylla Nees var. *heterophylla*. CLAMMY GROUNDCHERRY. September 24, 2012, found on the edge of some woods at the Field of Dreams. Open woods, clearings, and fields. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Solanum carolinense L. var. *carolinense*. CAROLINA HORSENETTLE. September 24, 2012, found in a field at the Field of Dreams. Sandy fields and waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

Solanum dulcamara L. var. *dulcamara*. CLIMBING NIGHTSHADE. BITTERSWEET NIGHTSHADE. May 23, 2012, found on the edge of some woods at the Field of Dreams. Moist thickets. Common, introduced (USDA).

Solanum ptycanthum Dunal. WEST INDIAN NIGHTSHADE. BLACK NIGHTSHADE. September 29, 2012, found on the edge of some woods at the Field of Dreams. Woods and waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

SPARGANIACEAE (BUR-REED FAMILY)

Sparganium americanum Nutt. AMERICAN BUR-REED. LESSER BUR REED. September 16, 2012, found in a drainage ditch near the Houghton College campus entrance. Muddy shores and shallow water. Common, native (USDA).

TAXACEAE (YEW FAMILY)

Taxus canadensis Marshall. CANADA YEW. AMERICAN YEW. April 2, 2013, found near Gillette. Cultivated; moist woods and sandy soils. Common, native (USDA). *Not listed for Allegany County on USDA website.*

THELYPTERIDACEAE (MARSH FERN FAMILY)

Thelypteris noveboracensis (L.) Nieuwl. NEW YORK FERN. September 18, 2012, found in Houghton West woods. Sunny spots of mixed woodlands, drier edges of swamps, vernal seeps in ravines, and near streams. Common, native (USDA).

Thelypteris palustris Schott var. *pubescens* (G. Lawson) Fernald. EASTERN MARSH FERN. October 3, 2012, found in a wet place across the road from the Houghton Equestrian Center. Rich, muddy soil of open woodlands, wet meadows, swamps, bogs, marshes, and along ditches and streams. Common, native (USDA).

TILIACEAE (BASSWOOD FAMILY)

Tilia americana L. var. *americana*. AMERICAN BASSWOOD. October 13, 2012, found in Houghton East woods. Moist, rich woods. Common, native (USDA).

Tilia cordata Mill. LITTLELEAF LINDEN. October 10, 2012, found on the quad. Cultivated. Uncommon, introduced (USDA). *Not listed for Allegany County on USDA website.*

TYPHACEAE (CAT-TAIL FAMILY)

Typha latifolia L. BROADLEAF CATTAIL. COMMON CATTAIL. September 25, 2012, found next to a pond at the Houghton Equestrian Center. Marshes. Common, native (USDA). *Not listed for Allegany County on USDA website.*

ULMACEAE (ELM FAMILY)

Ulmus rubra Muhl. SLIPPERY ELM. October 10, 2012, found in Houghton East woods. Rich bottomlands and stream banks. Common, native (USDA). *Not listed for Allegany County on USDA website.*

URTICACEAE (NETTLE FAMILY)

Boehmeria cylindrica (L.) Sw. SMALLSPIKE FALSE NETTLE. September 25, 2012, found next to a pond at the Houghton Equestrian Center. Moist or boggy places. Common, native (USDA).

Laportea canadensis (L.) Weddell. CANADIAN WOODNETTLE. October 3, 2012, found in the woods across the road from the Houghton Equestrian Center, next to a creek. Wet or moist woods. Common, native (USDA).

Pilea pumila (L.) A. Gray var. *pumila*. CANADIAN CLEARWEED. RICHWEED. September 19, 2012, found in Houghton West woods. Moist shady places. Common, native (USDA).

Urtica dioica L. ssp. *gracilis* (Aiton) Seland. CALIFORNIA NETTLE. TALL NETTLE. October 3, 2012, found in the woods across the road from the Houghton Equestrian Center, near a creek. Thickets and waste places. Uncommon, native (USDA). *Not listed for Allegany County on USDA website.*

VALERIANACEAE (VALERIAN FAMILY)

Valeriana officinalis L. GARDEN VALERIAN. GARDEN HELIOTROPE. May 22, 2012, found on a hill behind the Wesley Chapel. Escaped from cultivation to roadsides and meadows. Rare, introduced (USDA). *Not listed for Allegany County on USDA website.*

VERBENACEAE (VERBENA FAMILY)

Verbena hastata L. var. *hastata*. SWAMP VERBENA. BLUE VERVAIN. September 24, 2012, found on the bank of a creek near Rothenbueler. Moist thickets, meadows, and shores. Common, native (USDA).

Verbena urticifolia L. var. *leiocarpa* L.M. Perry & Fernald. WHITE VERVAIN. September 23, 2012, found near a creek in Houghton West. Thickets and waste places. Common, native (USDA). *Not listed for Allegany County on USDA website.*

VIOLACEAE (VIOLET FAMILY)

Viola labradorica Schrank. ALPINE VIOLET. AMERICAN DOG VIOLET. May 3, 2012, found in Houghton East woods. Low woods and meadows. Uncommon, native (USDA).

Viola sororia Willd. COMMON BLUE VIOLET. May 3, 2012, found on the edge of some woods at the Houghton East ski hill. Moist woods, meadows, and lawns. Common, native (USDA).

Viola pubescens Aiton. DOWNY YELLOW VIOLET. May 3, 2012, found in Houghton East woods. Dry woods. Rare, native (USDA).

VITACEAE (GRAPE FAMILY)

Parthenocissus quinquefolia (L.) Planch. VIRGINIA CREEPER. WOODBINE. September 23, 2012, found in a rocky area near a creek in Houghton West. Woods, thickets, and stream banks. Common, native (USDA).

Vitis riparia Michx. RIVERBANK GRAPE. September 24, 2012, found on the bank of a creek near Randall. Riverbanks and bottomlands. Common, native (USDA). *Not listed for Allegany County on USDA website.*

DISCUSSION

All-taxa biodiversity inventories (ATBIs) are compiled lists of all species found in a given area, documented in order to determine the biodiversity, land and water quality, land use and development, and rare and invasive species of the area (Adirondack All-Taxa Biodiversity Inventory, 2010). None have been completed because of the enormity of such a task, but many have already made an impact on the species knowledge in their area. According to the ATBI in process in Great Smoky Mountains National Park, 923 species new to the science and 7,636 species new to the park have already been observed (Discover Life in America, 2012).

The ATBI conducted on Houghton College campus in Allegany County, New York was limited to flowering plants, ferns, fern allies, grasses, rushes, and sedges. A total of 436 plants from 88 families were collected or observed; there were 98 trees/shrubs, 284 herbaceous plants, 15 ferns, 3 fern allies (horsetails), 21 grasses, 2 rushes, and 12 sedges.

After this completing the survey, it became clear that Allegany County plants have not been well documented. Of the 436 total plants, 211 (48.4%) were not listed for Allegany County in the USDA PLANTS Database, while only 49 (11.3%) (Table 1) plants in this survey were absent from *A Flora of the Vascular Plants of Cattaraugus County, New York* (1987). Cattaraugus County is immediately to the west of Allegany County; the close spatial proximity combined with the vast amount of listed species in the Cattaraugus County catalogue (1,279 plant species) explains why only 11.3% of the plants were unlisted in *Cattaraugus* (1987). Most of the 49 were also ornamentals, which were not included in the Cattaraugus catalogue. Only 142 (32.8%) of the plants were present in both the Houghton College and the Moss Lake surveys (Table 1). This was due to the difference in ecosystems being surveyed as well as the difference in surveyed acreage (81.1 acres at Moss Lake as opposed to 1,300 acres at Houghton College).

The main plant communities on campus include shallow emergent marshes, floodplain forests, Appalachian oak-pine forests, cropland/field crops, and brushy cleared land/waste places. These communities arose because of a combination of factors, including glaciation, human deforestation, and the anthropogenic spread of foreign plants. Allegany County's location at the leading edge of the last glacier provided the county with a rich soil composition derived from glacial deposits (Figure 2). The Field of Dreams is composed of well-drained silt loam that serves as a floodplain for the Genesee (Web Soil Survey, 2012). The predominance of common cottonwood, sycamore, willows, and Apiaceae species throughout the woods and fields is due to the well-drained floodplain soil, as is the presence of a group of ostrich ferns in the southeast corner. Wetland plants such as bedstraws, swamp milkweed, flat-top goldenrod, true forget-me-not, and hawthorns are allowed to thrive around the Houghton Equestrian Center pond and in a central section of Houghton East woods because of somewhat poorly drained silty clay loam (Web Soil Survey, 2012).

Allegheny forests would not be the same either if humans had not intervened. Native Americans set forest fires in order to make way for settlement, to plant crops, and to promote biodiversity, which was necessary for their survival. When the European settlers took control of the land, the Allegheny hills were completely cleared by logging up until the early 1900s to make way for crops and dairy farming (Smalley and Wolfe, pers. comm.). Around the 1930s, the Great Depression along with better farming opportunities in the Midwest combined to result in the abandonment of farms (Copenheaver, 2008). At this point, southern species brought in by the north-flowing Genesee River were finally able to settle the early successional bare hills. The eventual outcome was the dominance of oak-pine and oak-hickory forests and the marginalization of northern hardwood forests.

For the 436 plants collected or observed on campus, 62.8% are native to North America (USDA); more than a third of the plants here have been introduced from other places, which emphasizes how much humans have impacted the area. Introduced plants are often brought over as cultivated plants, which then escape from gardens and parks into the wild. These can become invasive, growing so thickly in an area that other plants are pushed out of their natural ecological communities and become rare or die out completely. Invasive species found on campus include Japanese knotweed, purple loosestrife, garlic mustard, common buckthorn, multiflora rose, and tatarian honeysuckle (*New York Invasive Species*, 2013). Giant hogweed was at one point growing near the Genesee River (Wolfe pers. comm.), but during the survey it was never observed.

Because of the general nature of the ATBI and the limited time frame, the survey encompassed many but not all plants species of the area. A few plants were observed too late in the season to make good herbarium specimens; these species were listed as observed. In some cases, the specimens were collected even if their quality was less than optimal due to the late

season or insect activity. It is recommended that others add to the herbarium over the years as new species are found, or if better samples are obtained.

Of the plants that were documented in this survey, 49.3% were not listed for Allegany County on the USDA PLANTS Database. The county is so little known that even very common species were likely to be unlisted on the national database. This survey has added 213 species to the known species of Allegany County, as well as documented the ecological history of the area. This survey will serve as a baseline for successional comparisons in future studies.

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TABLE 1. A complete list of the plants collected and observed during the survey and how they compare to *A Flora of the Vascular Plants of Cattaraugus County*, the USDA PLANTS Database's plant list of Allegany County, the NYS Flora Association list for Allegany County, and E. E. Cook's Moss Lake survey. "O" stands for not listed, "I" stands for introduced, "N" stands for native, and "X" stands for listed (but no mention of native or introduced).

Common Name	Family Name	Scientific Name	Cattaraugus County	USDA	NYS Flora Association	Moss Lake
Boxelder Maple "Crimson King"	Aceraceae	<i>Acer negundo</i> L.	I	O	O	O
Norway Maple	Aceraceae	<i>Acer platanoides</i> L.	I	O	I	O
Red Maple	Aceraceae	<i>Acer rubrum</i> L.	N	N	N	X
Silver Maple	Aceraceae	<i>Acer saccharinum</i> L.	N	O	O	O
Sugar Maple	Aceraceae	<i>Acer saccharum</i> Marshall var. <i>saccharum</i>	N	O	O	X
American Water Plantain	Alismataceae	<i>Alisma subcordatum</i> Raf.	N	O	O	O
Broadleaf Arrowhead	Alismataceae	<i>Sagittaria latifolia</i> Willd.	N	O	O	O
Slim Amaranth	Amaranthaceae	<i>Amaranthus hybridus</i> L.	I	O	O	O
Mat Amaranth	Amaranthaceae	<i>Amaranthus blitoides</i> S. Watson	I	O	O	O
European Smoketree	Anacardiaceae	<i>Cotinus coggygria</i> Scop.	O	O	O	O
Staghorn Sumac	Anacardiaceae	<i>Rhus typhina</i> L.	N	N	N	X
Eastern Poison Ivy	Anacardiaceae	<i>Toxicodendron radicans</i> (L.) Kuntze ssp. <i>radicans</i>	N	O	O	O
Purplestem Angelica	Apiaceae	<i>Angelica atropurpurea</i> L.	N	N	N	O
Bulblet-bearing Water Hemlock	Apiaceae	<i>Cicuta bulbifera</i> L.	N	O	O	O
Canadian Honewort	Apiaceae	<i>Cryptotaenia canadensis</i> (L.) DC.	N	N	N	O
Queen Anne's Lace	Apiaceae	<i>Daucus carota</i> L.	I	I	I	X
Wild Parsnip	Apiaceae	<i>Pastinaca sativa</i> L.	I	O	O	O
Erect Hedgeparsley	Apiaceae	<i>Torilis japonica</i> (Houtt.) DC.	O	O	O	O
Spreading Dogbane	Apocynaceae	<i>Apocynum androsaemifolium</i> L.	N	N	N	O
Myrtle	Apocynaceae	<i>Vinca minor</i> L.	I	O	O	O
American Holly	Aquifoliaceae	<i>Ilex opaca</i> Aiton var. <i>opaca</i>	O	O	O	O
Jack-in-the-pulpit	Araceae	<i>Arisaema triphyllum</i> (L.) Schott ssp. <i>triphyllum</i>	N	N	N	O
Skunk Cabbage	Araceae	<i>Symplocarpus foetidus</i> (L.) Salisb. ex W.P.C. Barton	N	O	O	X
Wild Sarsaparilla	Araliaceae	<i>Aralia nudicaulis</i> L.	N	O	O	O
English Ivy	Araliaceae	<i>Hedera helix</i> L.	O	O	O	O
Swamp Milkweed	Asclepiadaceae	<i>Asclepias incarnata</i> L.	N	O	O	O
Common Milkweed	Asclepiadaceae	<i>Asclepias syriaca</i> L.	N	O	O	X
Common Yarrow	Asteraceae	<i>Achillea millefolium</i> L.	I	I	I	X
White Snakeroot	Asteraceae	<i>Ageratina altissima</i> (L.) King & H. Rob. var. <i>altissima</i>	N	O	O	O
Annual Ragweed	Asteraceae	<i>Ambrosia artemisiifolia</i> L.	N	O	N	O
Pearly Everlasting	Asteraceae	<i>Anaphalis margaritacea</i> (L.) Benth.	N	N	N	X

Howell's Pussytoes	Asteraceae	<i>Antennaria howellii</i> Greene ssp. <i>neodioica</i> (Greene) Bayer	N	N	N	X
Plantain-leaved Pussytoes	Asteraceae	<i>Antennaria plantaginifolia</i> (L.) Richardson	N	O	O	O
Lesser Burdock	Asteraceae	<i>Arctium minus</i> Bernh.	I	I	I	X
Common Mugwort	Asteraceae	<i>Artemisia vulgaris</i> L.	I	I	O	O
Lawndaisy	Asteraceae	<i>Bellis perennis</i> L.	I	O	O	O
Nodding Bur Marigold	Asteraceae	<i>Bidens cernua</i> L.	N	N	N	X
Beggarticks	Asteraceae	<i>Bidens frondosa</i> L.	N	O	O	O
Brownray Knapweed	Asteraceae	<i>Centaurea jacea</i> L.	I	O	O	O
Mountain Knapweed	Asteraceae	<i>Centaurea montana</i> L.	O	O	O	O
Spotted Knapweed	Asteraceae	<i>Centaurea stoebe</i> L. ssp. <i>micranthos</i> (Gugler) Hayek	I	I	I	X
Garden Mum	Asteraceae	<i>Chrysanthemum ×morifolium</i> Ramat. (pro sp.)	O	O	O	O
Chicory	Asteraceae	<i>Cichorium intybus</i> L.	I	O	I	O
Canada Thistle	Asteraceae	<i>Cirsium arvense</i> (L.) Scop.	I	I	I	O
Bull Thistle	Asteraceae	<i>Cirsium vulgare</i> (Savi) Ten.	I	I	I	X
Canadian Horseweed	Asteraceae	<i>Conyza canadensis</i> (L.) Cronquist var. <i>canadensis</i>	N	O	O	O
Smooth Hawksbeard	Asteraceae	<i>Crepis capillaris</i> (L.) Wallr.	I	I	I	O
Eastern Daisy Fleabane	Asteraceae	<i>Erigeron annuus</i> (L.) Pers.	N	N	N	O
Common Fleabane	Asteraceae	<i>Erigeron philadelphicus</i> L. var. <i>philadelphicus</i>	N	N	O	O
Prairie Fleabane	Asteraceae	<i>Erigeron strigosus</i> Muhl. ex Willd. var. <i>strigosus</i>	N	N	N	X
Common Boneset	Asteraceae	<i>Eupatorium perfoliatum</i> L. var. <i>perfoliatum</i>	N	N	N	X
White Wood Aster	Asteraceae	<i>Eurybia divaricata</i> (L.) G.L. Nesom	N	N	N	X
Lance-leaved Goldenrod	Asteraceae	<i>Euthamia graminifolia</i> (L.) Nutt. var. <i>graminifolia</i>	N	N	N	X
Spotted Joe Pye Weed	Asteraceae	<i>Eutrochium maculatum</i> (L.) E.E. Lamont	N	N	N	O
Gallant Soldier	Asteraceae	<i>Galinsoga parviflora</i> Cav.	I	O	O	O
Common Sneezeweed	Asteraceae	<i>Helenium autumnale</i> L.	N	O	O	O
Jerusalem Artichoke	Asteraceae	<i>Helianthus tuberosus</i> L.	I	O	O	O
Field Hawkweed	Asteraceae	<i>Hieracium caespitosum</i> Dumort.	I	I	O	O
Rattlesnakeweed	Asteraceae	<i>Hieracium venosum</i> L.	N	O	O	O
Hairy Cat's Ear	Asteraceae	<i>Hypochaeris radicata</i> L.	I	O	O	O
Elecampane Inula	Asteraceae	<i>Inula helenium</i> L.	I	O	O	O
Common Nipplewort	Asteraceae	<i>Lapsana communis</i> L.	O	O	O	O
Fall Dandelion	Asteraceae	<i>Leontodon autumnalis</i> L.	I	O	O	O
Oxeye Daisy	Asteraceae	<i>Leucanthemum vulgare</i> Lam.	I	I	I	X
Pineapple Weed	Asteraceae	<i>Matricaria discoidea</i> DC.	I	O	O	O
Blue and White Daisybush	Asteraceae	<i>Osteospermum ecklonis</i> (DC.) Norl.	O	O	O	O
Golden Ragwort	Asteraceae	<i>Packera aurea</i> (L.) Á. Löve & D. Löve	N	N	N	X
White Rattlesnakeroot	Asteraceae	<i>Prenanthes alba</i> L.	N	O	O	O

Blackeyed Susan	Asteraceae	<i>Rudbeckia hirta</i> L. var. <i>pulcherrima</i> Farw.	N	N	I	X
Tall Coneflower	Asteraceae	<i>Rudbeckia laciniata</i> L. var. <i>laciniata</i>	N	N	O	O
Dusty Miller	Asteraceae	<i>Senecio cineraria</i> DC.	O	I	O	O
Common Groundsel	Asteraceae	<i>Senecio vulgaris</i> L.	I	I	I	O
Silverrod	Asteraceae	<i>Solidago bicolor</i> L.	N	N	N	X
Blue-stemmed Goldenrod	Asteraceae	<i>Solidago caesia</i> L.	N	N	N	X
Canada Goldenrod	Asteraceae	<i>Solidago canadensis</i> L. var. <i>canadensis</i>	N	N	N	X
Zigzag Goldenrod	Asteraceae	<i>Solidago flexicaulis</i> L.	N	O	O	O
Late Goldenrod	Asteraceae	<i>Solidago gigantea</i> Aiton	N	O	O	O
Rough-stemmed Goldenrod	Asteraceae	<i>Solidago rugosa</i> Mill.	N	N	N	X
Spiny Sowthistle	Asteraceae	<i>Sonchus asper</i> (L.) Hill	I	O	O	O
Common Sowthistle	Asteraceae	<i>Sonchus oleraceus</i> L.	I	O	O	O
Panicled Aster	Asteraceae	<i>Symphyotrichum lanceolatum</i> (Willd.) G.L. Nesom ssp. <i>lanceolatum</i> var. <i>lanceolatum</i>	N	O	O	O
Small White Aster	Asteraceae	<i>Symphyotrichum lateriflorum</i> (L.) Á. Löve & D. Löve var. <i>lateriflorum</i>	N	O	O	O
New England Aster	Asteraceae	<i>Symphyotrichum novae-angliae</i> (L.) G.L. Nesom	N	N	N	X
Heath Aster	Asteraceae	<i>Symphyotrichum pilosum</i> (Willd.) G.L. Nesom var. <i>pilosum</i>	N	N	N	X
Crookedstem Aster	Asteraceae	<i>Symphyotrichum prenanthoides</i> (Muhl. ex Willd.) G.L. Nesom	N	N	N	X
Purplestem Aster	Asteraceae	<i>Symphyotrichum puniceum</i> (L.) Á. Löve & D. Löve var. <i>puniceum</i>	N	O	O	O
Wavyleaf Aster	Asteraceae	<i>Symphyotrichum undulatum</i> (L.) G.L. Nesom	N	O	O	O
Common Dandelion	Asteraceae	<i>Taraxacum officinale</i> F.H. Wigg. ssp. <i>officinale</i>	I	I	I	X
Scentless Chamomile	Asteraceae	<i>Tripleurospermum perforatum</i> (Mérat) M. Lainz	I	O	O	O
Coltsfoot	Asteraceae	<i>Tussilago farfara</i> L.	I	O	O	O
Common Clotbur	Asteraceae	<i>Xanthium strumarium</i> L.	I	O	O	O
Jewelweed	Balsaminaceae	<i>Impatiens capensis</i> Meerb.	N	O	O	O
Pale Touch-me-not	Balsaminaceae	<i>Impatiens pallida</i> Nutt.	N	O	O	O
Japanese Barberry	Berberidaceae	<i>Berberis thunbergii</i> DC.	I	O	O	O
Hollyleaved Barberry	Berberidaceae	<i>Mahonia aquifolium</i> (Pursh) Nutt.	O	O	O	O
Mayapple	Berberidaceae	<i>Podophyllum peltatum</i> L.	N	N	N	X
Speckled Alder	Betulaceae	<i>Alnus incana</i> (L.) Moench ssp. <i>rugosa</i> (Du Roi) R.T. Clausen	N	N	N	X
Yellow Birch	Betulaceae	<i>Betula alleghaniensis</i> Britton	N	O	O	X
Black Birch	Betulaceae	<i>Betula lenta</i> L.	N	N	N	X
Gray Birch	Betulaceae	<i>Betula populifolia</i> Marshall	O	O	O	O
Ironwood	Betulaceae	<i>Carpinus caroliniana</i> Walter ssp. <i>virginiana</i> (Marshall) Furlow	N	N	N	X

Hophornbeam	Betulaceae	<i>Ostrya virginiana</i> (Mill.) K. Koch	N	O	N	O
Smaller Forget-me-not	Boraginaceae	<i>Myosotis laxa</i> Lehm.	N	O	O	O
True Forget-me-not	Boraginaceae	<i>Myosotis scorpioides</i> L.	I	I	I	X
Common Comfrey	Boraginaceae	<i>Symphytum officinale</i> L.	I	I	I	O
Garlic Mustard	Brassicaceae	<i>Alliaria petiolata</i> (M. Bieb.) Cavara & Grande	I	O	O	O
Common Winter Cress	Brassicaceae	<i>Barbarea vulgaris</i> W.T. Aiton	I	I	I	X
Shepherd's Purse	Brassicaceae	<i>Capsella bursa-pastoris</i> (L.) Medik.	I	I	I	O
Cutleaf Toothwort	Brassicaceae	<i>Cardamine concatenata</i> (Michx.) Sw.	N	N	N	O
Toothwort	Brassicaceae	<i>Cardamine diphylla</i> (Michx.) Alph. Wood	N	N	N	O
Small-flowered Bitter Cress	Brassicaceae	<i>Cardamine parviflora</i> L.	O	O	O	O
Pennsylvania Bittercress	Brassicaceae	<i>Cardamine pensylvanica</i> Muhl. ex Willd.	N	O	O	O
Cuckoo Flower	Brassicaceae	<i>Cardamine pratensis</i> L. var. <i>pratensis</i>	I	O	O	O
Wormseed Mustard	Brassicaceae	<i>Erysimum cheiranthoides</i> L.	N	O	O	O
Dame's Violet	Brassicaceae	<i>Hesperis matronalis</i> L.	I	O	O	O
Field Peppergrass	Brassicaceae	<i>Lepidium campestre</i> (L.) W.T. Aiton	I	I	I	O
Watercress	Brassicaceae	<i>Nasturtium officinale</i> W.T. Aiton	I	O	O	O
Charlock Mustard	Brassicaceae	<i>Sinapis arvensis</i> L.	I	O	O	O
Hedgemustard	Brassicaceae	<i>Sisymbrium officinale</i> (L.) Scop.	I	O	O	X
Field Pennycress	Brassicaceae	<i>Thlaspi arvense</i> L.	I	O	O	O
Japanese Pachysandra	Buxaceae	<i>Pachysandra terminalis</i> Siebold & Zucc.	O	O	O	O
Indian Tobacco	Campanulaceae	<i>Lobelia inflata</i> L.	N	N	N	X
Great Blue Lobelia	Campanulaceae	<i>Lobelia siphilitica</i> L. var. <i>siphilitica</i>	N	O	O	O
Northern Bush Honeysuckle	Caprifoliaceae	<i>Diervilla lonicera</i> Mill.	N	O	O	O
Beautybush	Caprifoliaceae	<i>Kolkwitzia amabilis</i> Graebn.	O	O	O	O
Tatarian Honeysuckle	Caprifoliaceae	<i>Lonicera tatarica</i> L.	I	I	I	X
Common Elder	Caprifoliaceae	<i>Sambucus nigra</i> L. ssp. <i>canadensis</i> (L.) R. Bolli	N	N	N	X
Red Elderberry	Caprifoliaceae	<i>Sambucus racemosa</i> L. var. <i>racemosa</i>	N	N	N	X
Common Snowberry	Caprifoliaceae	<i>Symphoricarpos albus</i> (L.) S.F. Blake var. <i>albus</i>	N	O	I	O
Orangefruit Horse-gentian	Caprifoliaceae	<i>Triosteum aurantiacum</i> E.P. Bicknell	N	O	O	O
Highbush Cranberry	Caprifoliaceae	<i>Viburnum opulus</i> L. var. <i>americanum</i> Aiton	N	N	O	X
Oldfashioned Wiegela	Caprifoliaceae	<i>Weigela florida</i> (Bunge) A. DC.	O	O	O	O
Mouse-ear Chickweed	Caryophyllaceae	<i>Cerastium fontanum</i> Baumg. ssp. <i>vulgare</i> (Hartm.) Greuter & Burdet	I	O	O	O
Deptford Pink	Caryophyllaceae	<i>Dianthus armeria</i> L.	I	I	I	X
Soapwort	Caryophyllaceae	<i>Saponaria officinalis</i> L.	I	O	O	O
White Campion	Caryophyllaceae	<i>Silene latifolia</i> Poir. ssp. <i>alba</i> (Mill.) Greuter & Burdet	I	O	O	O

Lesser Stitchwort	Caryophyllaceae	<i>Stellaria graminea</i> L.	I	I	I	X
Common Chickweed	Caryophyllaceae	<i>Stellaria media</i> (L.) Vill. ssp. <i>media</i>	I	I	O	O
American Bittersweet	Celastraceae	<i>Celastrus scandens</i> L.	N	O	O	O
Burningbush	Celastraceae	<i>Euonymus alatus</i> (Thunb.) Siebold	O	O	O	O
Spear Saltbush	Chenopodiaceae	<i>Atriplex patula</i> L.	N	O	O	O
Lambsquarters	Chenopodiaceae	<i>Chenopodium album</i> L. var. <i>album</i>	I	O	O	O
Dwarf St. Johnswort	Clusiaceae	<i>Hypericum mutilum</i> L.	N	N	O	O
Common St. Johnswort	Clusiaceae	<i>Hypericum perforatum</i> L.	I	I	O	X
Marsh St. Johnswort	Clusiaceae	<i>Triadenum virginicum</i> (L.) Raf.	N	O	O	X
Hedge False Bindweed	Convolvulaceae	<i>Calystegia sepium</i> (L.) R. Br. ssp. <i>sepium</i>	N	I	I	X
Alternateleaf Dogwood	Cornaceae	<i>Cornus alternifolia</i> L. f.	N	N	N	X
Round-leaved Dogwood	Cornaceae	<i>Cornus rugosa</i> Lam.	N	N	O	X
Redosier Dogwood	Cornaceae	<i>Cornus sericea</i> L. ssp. <i>sericea</i>	N	N	N	X
Witch's Moneybags	Crassulaceae	<i>Hylotelephium telephium</i> (L.) H. Ohba ssp. <i>telephium</i>	I	I	I	O
Ditch Stonecrop	Crassulaceae	<i>Penthorum sedoides</i> L.	N	O	O	O
Trailing Juniper	Cupressaceae	<i>Juniperus horizontalis</i> Moench	O	O	O	O
Eastern Redcedar	Cupressaceae	<i>Juniperus virginiana</i> L. var. <i>virginiana</i>	N	O	O	O
Northern White Cedar	Cupressaceae	<i>Thuja occidentalis</i> L.	O	O	O	O
Yellowfruit Sedge	Cyperaceae	<i>Carex annectens</i> (E.P. Bicknell) E.P. Bicknell	N	N	N	O
Fringed Sedge	Cyperaceae	<i>Carex crinita</i> Lam. var. <i>crinita</i>	N	N	N	O
Hop Sedge	Cyperaceae	<i>Carex lupulina</i> Muhl. ex Willd.	N	N	N	O
Plantainleaf Sedge	Cyperaceae	<i>Carex plantaginea</i> Lam.	N	O	N	O
Rosy Sedge	Cyperaceae	<i>Carex rosea</i> Schkuhr ex Willd.	N	N	N	O
Owlfruit Sedge	Cyperaceae	<i>Carex stipata</i> Muhl. ex Willd. var. <i>stipata</i>	N	O	O	O
Hairyfruit Sedge	Cyperaceae	<i>Carex trichocarpa</i> Muhl. ex Willd.	N	N	O	O
Redroot Flatsedge	Cyperaceae	<i>Cyperus erythrorhizos</i> Muhl.	O	O	O	O
Softstem Bulrush	Cyperaceae	<i>Schoenoplectus tabernaemontani</i> (C.C. Gmel.) Palla	N	N	N	O
Woolgrass	Cyperaceae	<i>Scirpus cyperinus</i> (L.) Kunth	N	N	N	X
Mosquito Bulrush	Cyperaceae	<i>Scirpus hattorianus</i> Makino	N	O	N	O
Leafy Bulrush	Cyperaceae	<i>Scirpus polyphyllus</i> Vahl	N	O	O	O
Eastern Hayscented Fern	Dennstaedtiaceae	<i>Dennstaedtia punctilobula</i> (Michx.) T. Moore	N	N	N	X
Western Brackenfern	Dennstaedtiaceae	<i>Pteridium aquilinum</i> (L.) Kuhn	N	N	N	X
Teasel	Dipsacaceae	<i>Dipsacus fullonum</i>	I	O	O	O
Northern Lady Fern	Dryopteridaceae	<i>Athyrium filix-femina</i> (L.) Roth	N	N	N	X
Mountain Woodfern	Dryopteridaceae	<i>Dryopteris campyloptera</i> Clarkson	N	O	O	O
Crested Woodfern	Dryopteridaceae	<i>Dryopteris cristata</i> (L.) A. Gray	N	N	N	X
Evergreen Wood Fern	Dryopteridaceae	<i>Dryopteris intermedia</i> (Muhl.	N	N	N	X

		ex Willd.) A. Gray				
Marginal Woodfern	Dryopteridaceae	<i>Dryopteris marginalis</i> (L.) A. Gray	N	N	N	O
Ostrich Fern	Dryopteridaceae	<i>Matteuccia struthiopteris</i> (L.) Todaro	N	N	N	O
Sensitive Fern	Dryopteridaceae	<i>Onoclea sensibilis</i> L.	N	N	N	X
Christmas Fern	Dryopteridaceae	<i>Polystichum acrostichoides</i> (Michx.) Schott var. <i>acrostichoides</i>	N	N	N	X
Autumn Olive	Elaeagnaceae	<i>Elaeagnus umbellata</i> Thunb.	O	O	O	O
Field Horsetail	Equisetaceae	<i>Equisetum arvense</i> L.	N	N	N	X
Rough Horsetail	Equisetaceae	<i>Equisetum hyemale</i> L.	N	O	O	O
Variegated Horsetail	Equisetaceae	<i>Equisetum variegatum</i> Schleich. ex F. Weber & D. Mohr	N	N	N	O
Wintergreen	Ericaceae	<i>Gaultheria procumbens</i> L.	N	O	N	X
Great Laurel	Ericaceae	<i>Rhododendron maximum</i> L.	N	O	N	O
Lowbush Blueberry	Ericaceae	<i>Vaccinium angustifolium</i> Aiton	N	N	N	X
Deerberry	Ericaceae	<i>Vaccinium stamineum</i> L.	N	N	N	O
Common Threeseed Mercury	Euphorbiaceae	<i>Acalypha rhomboidea</i> Raf.	N	O	O	O
Spotted Sandmat	Euphorbiaceae	<i>Chamaesyce maculata</i> (L.) Small	N	O	O	O
American Hogpeanut	Fabaceae	<i>Amphicarpaea bracteata</i> (L.) Fernald	N	O	O	O
Eastern Redbud	Fabaceae	<i>Cercis canadensis</i> L. var. <i>canadensis</i>	O	O	O	O
Honeylocust	Fabaceae	<i>Gleditsia triacanthos</i> L.	I	O	O	O
Everlasting Pea	Fabaceae	<i>Lathyrus latifolius</i> L.	I	O	O	O
Cream-colored Vetchling	Fabaceae	<i>Lathyrus ochroleucus</i> Hook.	N	N	N	O
Bird's-foot Trefoil	Fabaceae	<i>Lotus corniculatus</i> L.	I	I	I	X
Black Medick	Fabaceae	<i>Medicago lupulina</i> L.	I	O	O	O
Alfalfa	Fabaceae	<i>Medicago sativa</i> L.	I	I	I	X
Yellow Sweet Clover	Fabaceae	<i>Melilotus officinalis</i> (L.) Lam.	I	I	I	X
Black Locust	Fabaceae	<i>Robinia pseudoacacia</i> L.	I	O	O	O
Crownvetch	Fabaceae	<i>Securigera varia</i> (L.) Lassen	O	O	O	O
Hop Clover	Fabaceae	<i>Trifolium aureum</i> Pollich	I	I	I	X
Alsike Clover	Fabaceae	<i>Trifolium hybridum</i> L.	I	I	I	X
Red Clover	Fabaceae	<i>Trifolium pratense</i> L.	I	I	I	X
White Clover	Fabaceae	<i>Trifolium repens</i> L.	I	I	I	X
Cow Vetch	Fabaceae	<i>Vicia cracca</i> L.	I	O	O	O
Slender Vetch	Fabaceae	<i>Vicia laxiflora</i> Brot.	I	I	O	O
American Chestnut	Fagaceae	<i>Castanea dentata</i> (Marshall) Borkh.	N	N	N	X
American Beech	Fagaceae	<i>Fagus grandifolia</i> Ehrh.	N	N	N	X
White Oak	Fagaceae	<i>Quercus alba</i> L.	N	N	N	X
Bur Oak	Fagaceae	<i>Quercus macrocarpa</i> Michx.	N	O	O	O
Pin Oak	Fagaceae	<i>Quercus palustris</i> Münchh.	O	O	O	O

Red Oak	Fagaceae	<i>Quercus rubra</i> L.	N	N	N	X
Black Oak	Fagaceae	<i>Quercus velutina</i> Lam.	N	N	N	X
Cutleaf Geranium	Geraniaceae	<i>Geranium dissectum</i> L.	I	I	O	O
Wild Geranium	Geraniaceae	<i>Geranium maculatum</i> L.	N	N	N	X
Herb Robert	Geraniaceae	<i>Geranium robertianum</i> L. ssp. <i>robertianum</i>	N	O	O	O
American Witchhazel	Hamamelidaceae	<i>Hamamelis virginiana</i> L.	N	N	N	X
Horsechestnut	Hippocastanaceae	<i>Aesculus hippocastanum</i> L.	I	O	O	O
German Iris	Iridaceae	<i>Iris germanica</i> L.	O	O	O	O
Larger Blue Flag	Iridaceae	<i>Iris versicolor</i> L.	N	N	O	X
Strict Blue-eyed Grass	Iridaceae	<i>Sisyrinchium montanum</i> Greene	O	N	N	O
Bitternut Hickory	Juglandaceae	<i>Carya cordiformis</i> (Wangenh.) K. Koch	N	N	N	O
Shagbark Hickory	Juglandaceae	<i>Carya ovata</i> (Mill.) K. Koch	N	O	O	O
Butternut	Juglandaceae	<i>Juglans cinerea</i> L.	N	N	N	X
Black Walnut	Juglandaceae	<i>Juglans nigra</i> L.	N	O	O	O
Lamp Rush	Juncaceae	<i>Juncus effusus</i> L. var. <i>solutus</i> Fernald & Wiegand	N	N	N	X
Poverty Rush	Juncaceae	<i>Juncus tenuis</i> Willd.	N	N	N	O
Common Bugle	Lamiaceae	<i>Ajuga reptans</i> L.	I	O	O	O
Wild Basil	Lamiaceae	<i>Clinopodium vulgare</i> L.	I	O	I	O
Horse Balm	Lamiaceae	<i>Collinsonia canadensis</i> L.	N	O	O	O
Brittlestem Hempnettle	Lamiaceae	<i>Galeopsis tetrahit</i> L.	I	O	O	O
Ground Ivy	Lamiaceae	<i>Glechoma hederacea</i> L.	I	I	I	X
Yellow Archangel	Lamiaceae	<i>Lamium galeobdolon</i> (L.) Ehrend. & Polatschek	O	O	O	O
Henbit Deadnettle	Lamiaceae	<i>Lamium amplexicaule</i> L.	I	O	O	O
Purple Deadnettle	Lamiaceae	<i>Lamium purpureum</i> L.	I	I	I	O
Common Motherwort	Lamiaceae	<i>Leonurus cardiaca</i> L.	I	I	I	O
American Water Horehound	Lamiaceae	<i>Lycopus americanus</i> Muhl. ex W.P.C. Barton	N	N	N	O
Peppermint	Lamiaceae	<i>Mentha x piperita</i> L. (pro sp.) [<i>aquatica</i> x <i>spicata</i>]	I	O	I	O
Wild Mint	Lamiaceae	<i>Mentha arvensis</i> L.	N	N	O	O
Apple Mint	Lamiaceae	<i>Mentha suaveolens</i> Ehrh.	O	I	O	O
Catnip	Lamiaceae	<i>Nepeta cataria</i> L.	I	O	O	O
Common Selfheal	Lamiaceae	<i>Prunella vulgaris</i> L.	I	N	I	X
Mad-dog Skullcap	Lamiaceae	<i>Scutellaria lateriflora</i> L.	N	N	N	X
Marsh Hedge-nettle	Lamiaceae	<i>Stachys palustris</i> L.	I	O	O	X
Sassafras	Lauraceae	<i>Sassafras albidum</i> (Nutt.) Nees	N	N	N	X
Common Bladderwort	Lentibulariaceae	<i>Utricularia macrorhiza</i> Leconte	N	O	O	O
Wild Leek	Liliaceae	<i>Allium tricoccum</i> Aiton	N	N	N	O
European Lily of the Valley	Liliaceae	<i>Convallaria majalis</i> L.	I	O	O	O
Trout Lily	Liliaceae	<i>Erythronium americanum</i> Ker Gawl.	N	N	N	O

Narrowleaf Plantain Lily	Liliaceae	<i>Hosta lancifolia</i> (Thunb.) Engl.	O	O	O	O
Canada Mayflower	Liliaceae	<i>Maianthemum canadense</i> Desf.	N	N	N	X
False Solomon's Seal	Liliaceae	<i>Maianthemum racemosum</i> (L.) Link ssp. <i>racemosum</i>	N	N	N	X
Common Grape Hyacinth	Liliaceae	<i>Muscari botryoides</i> (L.) Mill.	I	O	O	O
Daffodil	Liliaceae	<i>Narcissus pseudonarcissus</i> L.	O	O	O	O
Hairy Solomon's Seal	Liliaceae	<i>Polygonatum pubescens</i> (Willd.) Pursh	N	O	O	O
Yellow Fairybells	Liliaceae	<i>Prosartes lanuginosa</i> (Michx.) D. Don	N	N	N	O
Siberian Squill	Liliaceae	<i>Scilla siberica</i> Haw.	O	O	O	O
Large-flowered Trillium	Liliaceae	<i>Trillium grandiflorum</i> (Michx.) Salisb.	N	N	N	X
Purple Loosestrife	Lythraceae	<i>Lythrum salicaria</i> L.	I	O	I	O
Cucumber-tree	Magnoliaceae	<i>Magnolia acuminata</i> (L.) L.	N	N	N	X
Star Magnolia	Magnoliaceae	<i>Magnolia stellata</i> (Siebold & Zucc.) Maxim.	O	O	O	O
Indian Mallow	Malvaceae	<i>Abutilon theophrasti</i> Medik.	I	O	O	O
Musk Mallow	Malvaceae	<i>Malva moschata</i> L.	I	I	I	O
Common Mallow	Malvaceae	<i>Malva neglecta</i> Wallr.	I	O	O	O
Common Moonseed	Menispermaceae	<i>Menispermum canadense</i> L.	N	O	O	O
Pinesap	Monotropaceae	<i>Monotropa hypopithys</i> L.	N	O	O	O
Indianpipe	Monotropaceae	<i>Monotropa uniflora</i> L.	N	N	O	X
Weeping Forsythia	Oleaceae	<i>Forsythia suspensa</i> (Thunb.) Vahl	O	O	O	O
White Ash	Oleaceae	<i>Fraxinus americana</i> L.	N	N	N	X
European Privet	Oleaceae	<i>Ligustrum vulgare</i> L.	O	O	O	O
Common Lilac	Oleaceae	<i>Syringa vulgaris</i> L.	O	O	O	O
Broadleaf Enchanter's Nightshade	Onagraceae	<i>Circaea lutetiana</i> L. ssp. <i>canadensis</i> (L.) Asch. & Magnus	N	N	N	O
Fringed Willowherb	Onagraceae	<i>Epilobium ciliatum</i> Raf. ssp. <i>ciliatum</i>	N	N	N	O
Purple-leaved Willow Herb	Onagraceae	<i>Epilobium coloratum</i> Biehler	N	O	O	O
Narrow-leaved Willow Herb	Onagraceae	<i>Epilobium leptophyllum</i> Raf.	N	O	O	O
Water Purslane	Onagraceae	<i>Ludwigia palustris</i> (L.) Elliott	N	O	O	O
Common Evening Primrose	Onagraceae	<i>Oenothera biennis</i> L.	N	N	N	X
Broadleaf Helleborine	Orchidaceae	<i>Epipactis helleborine</i> (L.) Crantz	I	I	I	X
Squawroot	Orobanchaceae	<i>Conopholis americana</i> (L.) Wallr.	N	O	O	O
Beechdrops	Orobanchaceae	<i>Epifagus virginiana</i> (L.) W.P.C. Barton	N	N	N	X
Cinnamon Fern	Osmundaceae	<i>Osmunda cinnamomea</i> L. var. <i>cinnamomea</i>	N	N	N	X
Interrupted Fern	Osmundaceae	<i>Osmunda claytoniana</i> L.	N	N	N	X
Yellow Wood Sorrel	Oxalidaceae	<i>Oxalis stricta</i> L.	N	N	N	O
Celandine	Papaveraceae	<i>Chelidonium majus</i> L.	I	I	I	O

Bloodroot	Papaveraceae	<i>Sanguinaria canadensis</i> L.	N	N	N	O
American Pokeweed	Phytolaccaceae	<i>Phytolacca americana</i> L. var. <i>americana</i>	N	N	N	X
Fraser Fir	Pinaceae	<i>Abies fraseri</i> (Pursh) Poir.	O	O	O	O
Western White Spruce	Pinaceae	<i>Picea × albertiana</i> S. Br. [<i>glauca</i> × <i>engelmannii</i>]	O	O	O	O
Norway Spruce	Pinaceae	<i>Picea abies</i> (L.) Karst.	I	O	O	O
Brewer Spruce	Pinaceae	<i>Picea breweriana</i> S. Watson	O	O	O	O
White Spruce	Pinaceae	<i>Picea glauca</i> (Moench) Voss	I	O	O	O
Black Spruce	Pinaceae	<i>Picea mariana</i> (Mill.) Britton, Sterns & Poggenb.	N	O	O	O
Mugo Pine	Pinaceae	<i>Pinus mugo</i> Turra	O	O	O	O
Red Pine	Pinaceae	<i>Pinus resinosa</i> Aiton	O	O	O	O
Eastern White Pine	Pinaceae	<i>Pinus strobus</i> L.	N	N	N	X
Scots Pine	Pinaceae	<i>Pinus sylvestris</i> L.	I	O	O	O
Eastern Hemlock	Pinaceae	<i>Tsuga canadensis</i> (L.) Carrière	N	N	N	X
English Plantain	Plantaginaceae	<i>Plantago lanceolata</i> L.	I	I	I	X
Common Plantain	Plantaginaceae	<i>Plantago major</i> L.	I	I	I	X
American Sycamore	Platanaceae	<i>Platanus occidentalis</i> L.	N	N	N	O
Bearded Shorthusk	Poaceae	<i>Brachyelytrum erectum</i> (Schreb. ex Spreng.) P. Beauv.	N	O	O	O
Smooth Brome	Poaceae	<i>Bromus inermis</i> Leyss. ssp. <i>inermis</i>	I	I	O	O
Orchardgrass	Poaceae	<i>Dactylis glomerata</i> L. ssp. <i>glomerata</i>	I	I	I	X
Smooth Crabgrass	Poaceae	<i>Digitaria ischaemum</i> (Schreb.) Schreb. ex Muhl.	I	O	O	O
Barnyardgrass	Poaceae	<i>Echinochloa crus-galli</i> (L.) P. Beauv.	I	I	I	O
Virginia Wildrye	Poaceae	<i>Elymus virginicus</i> L.	O	N	N	O
Stinkgrass	Poaceae	<i>Eragrostis cilianensis</i> (All.) Vign. ex Janchen	I	O	O	O
Rice Cutgrass	Poaceae	<i>Leersia oryzoides</i> (L.) Sw.	N	N	N	O
Wirestem Muhly	Poaceae	<i>Muhlenbergia frondosa</i> (Poir.) Fernald	N	N	N	O
Bog Muhly	Poaceae	<i>Muhlenbergia uniflora</i> (Muhl.) Fernald	O	O	O	O
Witchgrass	Poaceae	<i>Panicum capillare</i> L.	N	N	N	O
Fall Panicgrass	Poaceae	<i>Panicum dichotomiflorum</i> Michx. var. <i>dichotomiflorum</i>	N	O	O	O
Reed Canarygrass	Poaceae	<i>Phalaris arundinacea</i> L.	N	N	N	O
Timothy	Poaceae	<i>Phleum pratense</i> L.	I	I	I	X
Common Reed	Poaceae	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	N	O	O	O
Annual Bluegrass	Poaceae	<i>Poa annua</i> L.	I	I	I	O
Canada Bluegrass	Poaceae	<i>Poa compressa</i> L.	I	O	I	O
Meadow Fescue	Poaceae	<i>Schedonorus pratensis</i> (Huds.) P. Beauv.	I	O	O	X
Giant Foxtail	Poaceae	<i>Setaria faberi</i> Herrm.	I	O	O	O
Yellow Foxtail	Poaceae	<i>Setaria pumila</i> (Poir.) Roem. & Schult. ssp. <i>pumila</i>	I	I	O	O
Bristly Foxtail	Poaceae	<i>Setaria verticillata</i> (L.) P. Beauv.	O	O	O	O

Fringed Polygala	Polygalaceae	<i>Polygala paucifolia</i> Willd.	N	N	N	X
Doorweed	Polygonaceae	<i>Polygonum aviculare</i> L.	N	O	O	O
Black Bindweed	Polygonaceae	<i>Polygonum convolvulus</i> L. var. <i>convolvulus</i>	I	I	I	O
Japanese Knotweed	Polygonaceae	<i>Polygonum cuspidatum</i> Siebold & Zucc.	I	O	I	O
Curlytop Knotweed	Polygonaceae	<i>Polygonum lapathifolium</i> L.	N	N	I	O
Spotted Ladysthumb	Polygonaceae	<i>Polygonum persicaria</i> L.	I	I	I	O
Arrowleaf Tearthumb	Polygonaceae	<i>Polygonum sagittatum</i> L.	N	N	N	X
Climbing False Buckwheat	Polygonaceae	<i>Polygonum scandens</i> L. var. <i>scandens</i>	N	O	O	O
Jumpseed	Polygonaceae	<i>Polygonum virginianum</i> L.	N	O	O	O
Field Sorrel	Polygonaceae	<i>Rumex acetosella</i> L.	I	I	I	X
Curly Dock	Polygonaceae	<i>Rumex crispus</i> L. ssp. <i>crispus</i>	I	O	O	O
Bitter Dock	Polygonaceae	<i>Rumex obtusifolius</i> L.	I	I	I	O
Little Hogweed	Portulacaceae	<i>Portulaca oleracea</i> L.	I	O	O	X
Fringed Loosestrife	Primulaceae	<i>Lysimachia ciliata</i> L.	N	N	N	O
Moneywort	Primulaceae	<i>Lysimachia nummularia</i> L.	I	I	I	O
Four-leaved Loosestrife	Primulaceae	<i>Lysimachia quadrifolia</i> L.	N	N	N	X
Starflower	Primulaceae	<i>Trientalis borealis</i> Raf. ssp. <i>borealis</i>	N	N	N	X
Northern Maidenhair	Pteridaceae	<i>Adiantum pedatum</i> L.	N	N	N	O
White Baneberry	Ranunculaceae	<i>Actaea pachypoda</i> Elliott	N	N	N	X
Tall Anemone	Ranunculaceae	<i>Anemone virginiana</i> L. var. <i>virginiana</i>	N	N	N	X
Wild Columbine	Ranunculaceae	<i>Aquilegia canadensis</i> L.	N	N	N	X
Garden Columbine	Ranunculaceae	<i>Aquilegia vulgaris</i> L.	I	O	O	O
Virgin's Bower	Ranunculaceae	<i>Clematis virginiana</i> L.	N	N	N	O
Threeleaf Goldthread	Ranunculaceae	<i>Coptis trifolia</i> (L.) Salisb.	N	N	N	X
Sharplobe Hepatica	Ranunculaceae	<i>Hepatica nobilis</i> Schreb. var. <i>acuta</i> (Pursh) Steyererm.	N	N	O	O
Roundlobe Hepatica	Ranunculaceae	<i>Hepatica nobilis</i> Schreb. var. <i>obtusata</i> (Pursh) Steyererm.	N	O	O	O
Small-flowered Crowfoot	Ranunculaceae	<i>Ranunculus abortivus</i> L.	N	N	N	O
Showy Buttercup	Ranunculaceae	<i>Ranunculus acris</i> L. var. <i>acris</i>	I	I	I	X
Swamp Buttercup	Ranunculaceae	<i>Ranunculus hispidus</i> Michx. var. <i>caricetorum</i> (Greene) T. Duncan	N	N	N	O
Hispid Buttercup	Ranunculaceae	<i>Ranunculus hispidus</i> Michx. var. <i>hispidus</i>	N	N	O	O
Hooked Crowfoot	Ranunculaceae	<i>Ranunculus recurvatus</i> Poir. var. <i>recurvatus</i>	N	N	N	X
Creeping Buttercup	Ranunculaceae	<i>Ranunculus repens</i> L.	I	I	O	O
Early Meadow-rue	Ranunculaceae	<i>Thalictrum dioicum</i> L.	N	N	N	O
King of the Meadow	Ranunculaceae	<i>Thalictrum pubescens</i> Pursh	N	N	N	O
Glossy Buckthorn	Rhamnaceae	<i>Frangula alnus</i> Mill.	O	O	O	O
Common Buckthorn	Rhamnaceae	<i>Rhamnus cathartica</i> L.	I	O	O	O
Tall Hairy Agrimony	Rosaceae	<i>Agrimonia gryposepala</i> Wallr.	N	N	N	O

Common Serviceberry	Rosaceae	<i>Amelanchier arborea</i> (Michx. f.) Fernald var. <i>arborea</i>	N	N	O	X
Hawthorn	Rosaceae	<i>Crataegus</i> sp.	N	N	N	X
Shrubby Cinquefoil	Rosaceae	<i>Dasiphora fruticosa</i> (L.) Rydb. ssp. <i>floribunda</i> (Pursh) Kartesz	O	O	O	O
Virginia Strawberry	Rosaceae	<i>Fragaria virginiana</i> Duchesne ssp. <i>virginiana</i>	N	N	N	X
White Avens	Rosaceae	<i>Geum canadense</i> Jacq. var. <i>canadense</i>	N	N	N	X
Sweet Crab Apple	Rosaceae	<i>Malus coronaria</i> (L.) Mill.	N	O	O	O
Paradise Apple	Rosaceae	<i>Malus pumila</i> Mill.	I	I	O	X
Silver Cinquefoil	Rosaceae	<i>Potentilla argentea</i> L. var. <i>argentea</i>	I	I	I	X
Norwegian Cinquefoil	Rosaceae	<i>Potentilla norvegica</i> L. ssp. <i>monspeliensis</i> (L.) Asch. & Graebn.	N	O	O	O
Sulfur Cinquefoil	Rosaceae	<i>Potentilla recta</i> L.	I	I	I	X
Common Cinquefoil	Rosaceae	<i>Potentilla simplex</i> Michx.	N	O	O	O
Pin Cherry	Rosaceae	<i>Prunus pensylvanica</i> L. f. var. <i>pensylvanica</i>	N	N	N	X
Black Cherry	Rosaceae	<i>Prunus serotina</i> Ehrh. var. <i>serotina</i>	N	N	N	X
Chokecherry	Rosaceae	<i>Prunus virginiana</i> L. var. <i>virginiana</i>	N	N	N	X
Callery Pear	Rosaceae	<i>Pyrus calleryana</i> Decne.	O	O	O	O
Multiflora Rose	Rosaceae	<i>Rosa multiflora</i> Thunb.	I	O	I	O
Allegheny blackberry	Rosaceae	<i>Rubus allegheniensis</i> Porter var. <i>allegheniensis</i>	N	N	N	X
Grayleaf Red Raspberry	Rosaceae	<i>Rubus idaeus</i> L. ssp. <i>strigosus</i> (Michx.) Focke	N	N	N	X
Purpleflowering Raspberry	Rosaceae	<i>Rubus odoratus</i> L. var. <i>odoratus</i>	N	N	O	O
Small Burnet	Rosaceae	<i>Sanguisorba minor</i> Scop. ssp. <i>balearica</i> (Bourg. ex Nyman) M. Garm. & C. Navarro	O	O	O	O
Vanhoutte Spirea	Rosaceae	<i>Spiraea</i> × <i>vanhouttei</i> (Briot) Carrière [<i>cantonensis</i> × <i>trilobata</i>]	O	O	O	O
Japanese Meadowsweet	Rosaceae	<i>Spiraea japonica</i> L. f.	O	O	O	O
Appalachian Barren Strawberry	Rosaceae	<i>Waldsteinia fragarioides</i> (Michx.) Tratt. ssp. <i>fragarioides</i>	N	N	N	X
Cleavers	Rubiaceae	<i>Galium aparine</i> L.	N	N	N	X
Rough Bedstraw	Rubiaceae	<i>Galium asprellum</i> Michx.	N	O	O	O
Wild Licorice	Rubiaceae	<i>Galium circaeazans</i> Michx. var. <i>hypomalacum</i> Fernald	N	N	N	O
False Baby's Breath	Rubiaceae	<i>Galium mollugo</i> L.	I	O	O	O
Common Marsh Bedstraw	Rubiaceae	<i>Galium palustre</i> L.	N	O	O	O
Stiff Marsh Bedstraw	Rubiaceae	<i>Galium tinctorium</i> (L.) Scop.	N	O	O	O
Yellow Spring Bedstraw	Rubiaceae	<i>Galium verum</i> L.	I	O	O	O
Partridgeberry	Rubiaceae	<i>Mitchella repens</i> L.	N	N	N	X
Balsam Poplar	Salicaceae	<i>Populus balsamifera</i> L. ssp. <i>balsamifera</i>	N	O	O	O
Common Cottonwood	Salicaceae	<i>Populus deltoides</i> W. Bartram ex Marshall ssp. <i>deltoides</i>	N	O	O	O

Bigtooth Aspen	Salicaceae	<i>Populus grandidentata</i> Michx.	N	O	O	X
Quaking Aspen	Salicaceae	<i>Populus tremuloides</i> Michx.	N	N	N	X
White Willow	Salicaceae	<i>Salix alba</i> L.	I	I	O	O
Black Willow	Salicaceae	<i>Salix nigra</i> Marshall	N	O	O	O
Bebb Willow	Salicaceae	<i>Salix bebbiana</i> Sarg.	N	N	N	X
Heartleaf Foamflower	Saxifragaceae	<i>Tiarella cordifolia</i> L. var. <i>cordifolia</i>	N	N	N	O
Dwarf Snapdragon	Scrophulariaceae	<i>Chaenorhinum minus</i> (L.) Lange	I	I	I	O
White Turtlehead	Scrophulariaceae	<i>Chelone glabra</i> L.	N	N	N	O
Clammy Hedgehyssop	Scrophulariaceae	<i>Gratiola neglecta</i> Torr.	N	N	N	O
Butter and Eggs	Scrophulariaceae	<i>Linaria vulgaris</i> Mill.	I	O	O	X
Narrowleaf Cowwheat	Scrophulariaceae	<i>Melampyrum lineare</i> Desr.	N	N	O	X
Allegheny Monkeyflower	Scrophulariaceae	<i>Mimulus ringens</i> L. var. <i>ringens</i>	O	O	O	O
Carpenter's Square	Scrophulariaceae	<i>Scrophularia marilandica</i> L.	N	N	N	O
Moth Mullein	Scrophulariaceae	<i>Verbascum blattaria</i> L.	I	O	O	O
Common Mullein	Scrophulariaceae	<i>Verbascum thapsus</i> L.	I	O	O	X
American Brooklime	Scrophulariaceae	<i>Veronica americana</i> Schwein. ex Benth.	N	N	N	O
Water Speedwell	Scrophulariaceae	<i>Veronica anagallis-aquatica</i> L.	N	N	N	O
Corn Speedwell	Scrophulariaceae	<i>Veronica arvensis</i> L.	I	O	O	O
Bird's-eye Speedwell	Scrophulariaceae	<i>Veronica chamaedrys</i> L.	I	I	I	O
Threadstalk Speedwell	Scrophulariaceae	<i>Veronica filiformis</i> Sm.	I	O	O	O
Common Speedwell	Scrophulariaceae	<i>Veronica officinalis</i> L. var. <i>officinalis</i>	N	I	O	O
Persian Speedwell	Scrophulariaceae	<i>Veronica persica</i> Poir.	I	O	O	O
Thymeleaf Speedwell	Scrophulariaceae	<i>Veronica serpyllifolia</i> L. ssp. <i>serpyllifolia</i>	I	I	I	X
Clammy Groundcherry	Solanaceae	<i>Physalis heterophylla</i> Nees var. <i>heterophylla</i>	I	O	O	O
Carolina Horsenettle	Solanaceae	<i>Solanum carolinense</i> L. var. <i>carolinense</i>	I	O	O	O
Climbing Nightshade	Solanaceae	<i>Solanum dulcamara</i> L.	I	I	I	X
Black Nightshade	Solanaceae	<i>Solanum ptycanthum</i> Dunal	I	O	O	O
American Bur-reed	Sparganiaceae	<i>Sparganium americanum</i> Nutt.	N	N	N	O
American Yew	Taxaceae	<i>Taxus canadensis</i> Marshall	N	O	N	O
New York Fern	Thelypteridaceae	<i>Thelypteris noveboracensis</i> (L.) Nieuwl.	N	N	N	X
Eastern Marsh Fern	Thelypteridaceae	<i>Thelypteris palustris</i> Schott var. <i>pubescens</i> (G. Lawson) Fernald	N	N	N	X
American Basswood	Tiliaceae	<i>Tilia americana</i> L. var. <i>americana</i>	N	N	N	O
Littleleaf Linden	Tiliaceae	<i>Tilia cordata</i> Mill.	O	O	O	O
Common Cattail	Typhaceae	<i>Typha latifolia</i> L.	N	O	O	O
Slippery Elm	Ulmaceae	<i>Ulmus rubra</i> Muhl.	N	O	O	O
Smallspike False Nettle	Urticaceae	<i>Boehmeria cylindrica</i> (L.) Sw.	N	N	N	O
Canadian Woodnettle	Urticaceae	<i>Laportea canadensis</i> (L.) Weddell	N	N	N	O

Canadian Clearweed	Urticaceae	<i>Pilea pumila</i> (L.) A. Gray var. <i>pumila</i>	N	N	N	O
California Nettle	Urticaceae	<i>Urtica dioica</i> L. ssp. <i>gracilis</i> (Aiton) Seland.	N	O	O	O
Garden Valerian	Valerianaceae	<i>Valeriana officinalis</i> L.	I	O	O	O
Blue Vervain	Verbenaceae	<i>Verbena hastata</i> L. var. <i>hastata</i>	N	N	N	X
White Vervain	Verbenaceae	<i>Verbena urticifolia</i> L. var. <i>leiocarpa</i> L.M. Perry & Fernald	N	O	O	O
Alpine Violet	Violaceae	<i>Viola labradorica</i> Schrank	N	N	N	O
Downy Yellow Violet	Violaceae	<i>Viola pubescens</i> Aiton	N	N	N	X
Common Blue Violet	Violaceae	<i>Viola sororia</i> Willd.	N	N	N	X
Virginia Creeper	Vitaceae	<i>Parthenocissus quinquefolia</i> (L.) Planch.	N	N	N	X
Riverbank Grape	Vitaceae	<i>Vitis riparia</i> Michx.	N	O	N	O
Total Native			247	160	151	N/A
Total Introduced			139	65	63	N/A
Total Listed			386	225	214	142
Total Not listed			50	211	222	294

Figure 1. ArcGIS Explorer aerial image of Houghton College property, with the Houghton West tract on the left and the Houghton East tract on the right, both outlined in red. The trails in Houghton East are also marked, using the same colors as the trail markers.



