# AAH Wildlife Waystations: Captivating Containers with Native Plants

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# **Overview/Introduction**

If you live in an apartment or townhouse with a balcony, patio, or very small yard, you may like to use your outdoor space to connect to the natural world around you. In order to attract and support native wildlife in these settings, a garden comprised largely of native plants in containers or small planting areas provides an attractive and simple solution. A surprising number of insects, birds and even small mammals are drawn to container and pocket gardens.

The Audubon at Home program encourages you to beautify and increase the wildlife value of these small spaces. Although much of this content is directed to container gardening, patios and "pocket gardens" are merely larger extensions of the same concept, with the possible advantage of natural soils that need less additional replenishment.



Ten bees and a Skipper forage on Agastache in a pot

# General considerations on gardening with native plants in containers

Many native plants make excellent specimens for container and small space gardening. As with any other type of planting, limitations include: site conditions such as sun and wind exposure, size of the mature plant, size of the container, and attractiveness of the plant's appearance over time. Other factors unique to containers include: appropriate initial soil mix and ongoing maintenance needs. All of these factors are addressed in pages in this section.

Care in plant species selection can result in a more successful planting from the perspective of wildlife. Biomass and blooms make a big impact in attracting wildlife to container plantings. The biomass (stems, twigs, leaves, etc.) created by small shrubs and trees, vines, grasses, and herbaceous plants provides cover, nesting sites, and food for wildlife looking to use your garden, and is best created with plants that create a lot of top growth for their root mass. These plants are very desirable to wildlife. For this reason, vines are excellent container choices. Vines that cling may be

trained to a wall (Virginia Creeper) and vines that twine may be trained into living curtains or screens with either structural or shrub support (Passion vine, Scarlet Honeysuckle). Blooms on vines, shrubs and herbaceous plants provide instant impact in the appearance of containers, both to wildlife and viewers. Red, tubular blooms are a hit with hummingbirds, and the composite flowers of Asters, Goldenrod, Mountain Mint and Boneset are endlessly covered in pollinating insects and butterflies. Many birds will be attracted to your garden if you create a thicket-like habitat with twiggy shrubs and small trees--they will flit from feeder to "thicket" to water feature to thicket to feeder and return frequently if they are provided with the food, water and cover they need.

Choose an assortment of plants that will bloom throughout the growing season, spring, summer and fall. Although space may be limited in your container or patio garden, an assortment of plants that will bloom or provide food throughout the growing season will provide you with multi-season interest and wildlife with a reason to return to your way station on a daily basis.

An excellent resource on plants that are native to our region is the U.S. Fish and Wildlife Service's (FWS) document: Native Plants for Wildlife Habitat and Conservation Landscaping, Chesapeake Region, which is available for download at <a href="http://www.nps.gov/plants/pubs/chesapeake/">http://www.nps.gov/plants/pubs/chesapeake/</a>. The plant lists on other pages in this Wildlife Waystation section are organized by small trees/shrubs, vines, grasses and herbaceous plants according to their light needs, and to some extent their moisture needs, and the suggested container combination plantings also group plants with similar needs. If you would like more specific information on a plant species, consult this FWS booklet or do a Google search on the species and you will find a number of websites that provide more information on the species' plant and wildlife associations and natural habitats in the wild.

# Small water gardens and features for balconies and patios

Water is a primary draw for wildlife, especially in urban and suburban settings where most fresh water has been collected and piped underground. Try to include a water source near your native plants. Ponds and water gardens will draw the most birds and insects, but if a water garden seems daunting, consider providing a bowl- or wall-mounted fountain or a simple ground-level birdbath to accompany your plantings. The sound of water trickling and the reflections of light on water will draw wildlife in for a brief drink or a bath. Observe the water source to ensure that wildlife can actually access it. Steep sides will deter many birds from bathing or drinking, and splashing or excessively moving water will not allow bees and other insects to drink at the edges. If your water source is still, such as a bird bath, daily use by birds for bathing, the presence of fish, or changing the water every three days (in warm weather) will prevent any mosquitoes from breeding.





In order to create a pond planter or wet (bog) planter for your collection, you will need the following:

- A container that holds water either watertight or lined with a 'rubber' (EPDM) liner
- A surface that supports water's 8.3 pounds per gallon of weight in addition to that of the container, stones and plants.
- A small electric pump that will circulate and aerate your water to reduce mosquito breeding and stagnation

#### Other factors include:

- Most emergent/aquatic plants in water gardens will need a minimum of 6 hours of direct sunlight per day.
- Water plants should remain in their pots in heavy clay soil with pea gravel on top of the soil to conserve it.
- Bricks or stones can be used to raise each plant to its preferred depth and also raise the pump outflow (or fountain) to the correct height in the water.
- A minimum of 20 gallons will help moderate water temperature swings and reduce water level fluctuations from evaporation.
- Shading the container itself will also reduce temperature and water-level swings.

# Choice, design and arrangement of containers

- Use large enough containers usually many times the size of the pot the plant came in. Larger pots hold moisture evenly, weigh enough to resist wind, and contain adequate soil volume for several years of growth. Use a saucer if it is difficult to soak the soil appropriately, if the plant is routinely too dry, of if the surface below needs protection. Use a set of wheels under large pots if you want to be able to move them easily. A wheeled platform is also an option for multiple pots
- Match the container style to the type of plant and its growth habits. The container should visually (and physically) balance the plant. For example, an upright, multi-stemmed shrub would work best in a low, wide container. An arching grass might look best in an upright container, and a low creeping plant would look nice in a sculptural container such as a shell, boot or urn.



Filter fabric over three drain holes



Gently loosening excess roots



Back-filling soil around roots

• Add interesting items to your containers, if you like. Your containers are a nice spot to place rocks, shells, driftwood or other weatherproof items you have collected in your travels to accent them. A container can become a small display or diorama for your own enjoyment when wildlife is absent.

- Group containers together. If the heights of the pots are very similar, raising one or two on cinder blocks will
  create a nice display. Some groupings can even be used to create privacy screening. Grouping containers
  together helps them insulate and shade each other and creates a more humid microclimate. Additionally, these
  groupings are more likely to attract wildlife than solitary pots. With careful plant species selection, a container
  grouping can offer something for wildlife year-round.
- Include a wet planter or a pond planter if you can. Cover 50-60% of the water surface and with plants and add a submerged plant or two. Snails and fish can be added for ecological balance. (Be sure never to release non-native organisms into the wild). Observe how wildlife accesses the water and make it easier if necessary.
- Properly support vines with shrubs, lattice, or deer/ bird netting. Well-supported vines create highly desirable bird real estate for nesting. Unsupported vines grow poorly and look unattractive. Vigorous or aggressive vines might be best suited for those aware of their tendencies and interested in trying their hand at training the vines in small spaces. (Virginia Creeper, Trumpet Creeper).





Soil, planting material, container hygiene

Soils for containers should be somewhat light, drain easily yet retain moisture for a day or so depending on temperature, humidity and exposure. This is most easily achieved using commercial potting mixes. These mixes contain long-lasting (slowly biodegrading) organic matter, such as coir and sphagnum which keeps the soil mix loose for a few years. Many commercial mixes also contain time-release fertilizers which last for a few months. Potting mix with moisture-retention treatment is not recommended. Home soil mixes may be made with native topsoil, loamy compost and construction (not play) sand. A starting point for mixture proportions would be 50:25:25 – but this varies greatly based on the quality of the topsoil used. Woodland native plants will probably prefer soils with more organic matter (compost). A small piece of landscape fabric or screening over the drainage holes will help keep earthworms, sowbugs and ants from excavating soil from the bottom and helps retain soil.

Soil organic matter is constantly decomposing, yet the proportions in the soil should remain the same or the plants may suffer. Mulching in the fall and again in spring (if the fall mulch has thinned) is one way to add organic matter. Fertilizing with soil fungus and microbes using dilute fish emulsion and other natural extracts may help, although there is little research to support these products as benefiting the soil rather than the plants. Most container plants in commercial potting mix need to be repotted with fresh soil every few years for continued growth. Without repotting, container soils tend to accumulate mineral salts from watering with tap water and these salts kill the fine absorbing root hairs of the plants. Additionally, the loss of organic matter in the soil (from natural decomposition) reduces both the drainage (pore space) and the moisture-holding capacity of the soil resulting in "drought and deluge" watering cycles.

Plants that prefer dry, poor soils should have their container soils amended appropriately with sharp sand and/or gravel to avoid root rot. A product called Grani-grit (for chickens) is one of the best for pH-neutral amendments, but is typically only available is larger amounts from feed stores or the internet. The pot size for these plants and for native succulents should be smaller in proportion to the plants' above-ground size. Plants that like these conditions are excellent for wide bowl and tray gardens. Some native plants actually prefer a rock garden setting and will need extra gravel and rock in their containers. Crushed bluestone or 'stone dust' is a common patio base medium many of these plants seem to like, and they may reseed readily between the stones of a nearby patio or walk.

- Containers that never receive natural rainfall should be hosed down occasionally for health and hygiene.
- Mulching once or twice a year with composted leaf mulch should be enough fertility for most plants. Use compost tea or fish emulsion for additional fertility and for the rare feeding of rock garden planters

### **Plant Selection**

- Consider planting together several plants with complementary shapes and, of course, similar maintenance needs. Some plants even prefer a companion plant or two. Consider plants that might be found in similar environments such as a woodland shrub and a groundcover (Spicebush and Lady Fern) for a shady, protected spot or a woody-stemmed meadow perennial and a grass (Goldenrod and Lovegrass) for a sunny, hot area.
- Some plants may not enjoy sharing space with others in a mixed planter and will either die or crowd out their companions. Other plants are actually biennial or short-lived perennials (i.e. Coneflowers- Rudbeckia and Echinaceae) and will need replanting or re-seeding after a year or two. Some plants need slightly harsher growing conditions to avoid becoming weedy or outgrowing their pots too rapidly. If this happens, reduced but regular watering, thinning or dividing the root ball, and repotting in a smaller container will help.
- There are many cultivated varieties of native plants available for purchase, but they were not created with the needs of wildlife in mind (i.e. adequate pollen and nectar, proper bloom season). Buy the basic species, not the cultivar, if possible. Purchasing plants legally propagated from local plant populations is the best way to provide for your local wildlife populations, as the food and its consumers have evolved together in your location.

The native plants for containers are included here because of their small, space-appropriate size and restrained growth; relatively neat appearance when in good health; and attractiveness to wildlife. They are also generally available for sale by local retailers and non-profit groups. The plant lists here are by no means completely inclusive of all the wonderful native container plants that are out there. Most of them have been selected from the U.S. Fish and Wildlife Service's document: "Native Plants for Wildlife Habitat and Conservation Landscaping, Chesapeake Region", which is available for download at <a href="http://www.nps.gov/plants/pubs/chesapeake/">http://www.nps.gov/plants/pubs/chesapeake/</a>. These species have varying moisture needs — most will take medium moisture conditions, but some prefer more moisture and some less.

In order to make grouping by needs simpler, at the end of the lists are suggestions of plant combinations for containers for any type of site conditions you may have. These suggestions are limited only by space available. Many great combinations still wait to be discovered by designers and wildlife!







# Quick tips to attract particular species

- Native bees: Consider installing a Mason bee or Bumblebee home near your containers. These houses are a single block of prepared wood; small; and the bees are tame when untouched. Bee behavior is fun and relaxing to watch.
- Insects: If you have perennials with woody stems, leave as much of the stems on the plant as possible. Many insects overwinter or leave larvae inside the stems which then hatch in the spring. Upright stems are more protected from moisture and predators. If you must cut stems, pile them someplace unnoticed so they still serve as housing for a time. Debris from grasses and strap-leaved perennials will be used by nesting birds during the growing season
- Hummingbirds: The top ten plants for hummingbirds include a small tree, a shrub, two vines, and six perennials (listed below). The excellent thing about these species is that together they bloom across the entire growing season, and the (aggressive) Trumpet Creeper provides excellent nest sites. A property with these species and protected nesting areas would likely have a pair of resident Hummingbirds every year.

#### Ten species that will attract hummingbirds in order of bloom time:

Columbine – Aquilegia canadensis
Red Buckeye – Aesculus pavia
Rosebay Rhododendron – Rhododendron catawbiense
Scarlet Honeysuckle – Lonicera sempervirens
Trumpet Creeper – Campsis radicans
Jewelweed – Impatiens capensis
Cardinal flower – Lobelia cardinalis
Canada Lily – Lilium canadense
Bee Balm – Monarda didyma
Indian Pink – Spigelia marilandica

The following is a list of butterfly species along with the plant species you may be able to attract them with:

Admirals: Willow, Birch, Aspens, Black Oaks, Poplar, Wild Cherry

American Copper: Sorrels, Docks

American Painted Lady: Pearly Everlasting, Pussytoes, related composites

Baltimore Checkerspot: Turtlehead, Plantains Banded Hairstreak: Oaks, Hickory, Butternut

**Buckeye: Plantains** 

Eastern Tailed Blue: Clovers, other legumes

Henry's Elfin: Redbud, Blueberry, Maple Leaved Viburnum, Yaupon Holly

Fritillaries: Violets, Purslane Gulf Fritillary: Passion Vines

Gray Hairstreak: many plants, especially legumes, Mallows

Long Tailed Skipper: Groundnut, climbing legumes (edible Beans, Peas)

Monarch and Queen: Common Milkweed, Butterfly weed

Mourning Cloak, Comma, Question Mark: Elms, Nettles, Hackberry, (Hops)

Painted Lady: Thistles, Composites

Pearl Crescent: Asters

Pygmy Blue: Lamb's Quarters, Pigweed

Red Admiral: Nettles

Satyrs: Grasses and Sedges

**Skippers: Grasses** 

Silver Spotted Skipper: Locusts, Wisteria, other Legumes

Snout and Hackberry Butterflies: Hackberry

Spring Azure: Dogwood, Wild Cherry, Meadowsweet Suphurs: Clovers, Legumes, Sneezeweed, Senna, Asters Swallowtail, Black: Honewort, Sweet Cicely, (Parsley, Dill)

Swallowtail, Pipevine: Pipevine

Swallowtail, Spicebush: Spicebush, Sassafras

Swallowtail, Tiger: Black Cherry, Tulip Poplar, Sweetbay Magnolia

Swallowtail, Zebra: Paw Paw

Swallowtail, Giant: Prickly Ash, Hop Tree, Citrus family Whites and Orange Tips: Mustards (Cabbage, Broccoli)

# Vine species for containers and gardens

Annotations include: (EG) – Evergreen; (A) – Annual; (M) – Monarch larval food; (H) – Hummingbird favorite.

All species are twining and need appropriate diameter supports (except as noted).

Apios americana Groundnut

Clematis viorna \* Leatherleaf Clematis Clematis virginiana Virgin's Bower Lonicera sempervirens (EG)(H) Scarlet Honeysuckle Parthenocissus quinquefolia® Virginia Creeper

Passiflora incarnata Passionflower, Maypops
Passiflora lutea \* Yellow Passionflower

<sup>\*</sup> These species are delicate enough to use shrubs for support, if desired.

<sup>&</sup>lt;sup>®</sup> This species clings by discs and needs a flat surface for climbing; also used as groundcover.

# These additional Vine species could be used in small patio gardens with structural support of a trellis, pergola or arbor

Bignonia capreolatus Crossvine

Campsis radicans (H)Trumpet CreeperCelastrus scandensAmerican BittersweetWisteria frutescensAmerican WisteriaVitis aestivalisSummer GrapeVitis labruscaFox GrapeVitis vulpinaWinter Grape

## **Woody species - Shrubs and small Trees**

Some larger species may outgrow containers over time; all are appropriate for small patio gardens and can be planted in patches of exposed ground or in containers.

Annotations include: (EG) – Evergreen; (A) – Annual; (M) – Monarch larval food; (H) – Hummingbird favorite

## Woody species for shade

Hammamelis virginianaCommon WitchazelHydrangea arborescensSmooth HydrangeaKalmia angustifolia (EG)Mountain LaurelKalmia latifolia (EG)Mountain Laurel

Lindera benzoin Spicebush

Rhododendron maximum (EG) Rosebay Rhododendron
Rubus odoratus Flowering Raspberry
Viburnum acerifolium Mapleleaf Viburnum

#### Woody species tolerant of or needing some shade

Amelanchier canadensis

Arborvitae occidentalis (EG)

Aronia arbutifolia

Ceanothus americanus

Thicket Serviceberry

Atlantic Whitecedar

Red Chokeberry

New Jersey Tea

Clethra alnifolia Summersweet, Sweet Pepperbush

Chionanthus virginicus Fringetree
Comptonia perigrina Sweetfern

Eubotrys racemosa Swamp Doghobble, Sweetbells

Ilex glabra (EG)Inkberry hollyIlex verticillataWinterberry

Itea virginica Virginia Sweetspire

Lyonia ligustrina Maleberry

Magnolia virginiana (s-EG)Sweetbay MagnoliaPhotinia melanocarpaBlack ChokeberryPhotinia pyrifoliaRed ChokeberryRhododendron calendulaceumFlame Azalea

Rhododendron periclymenoides Pinxterbloom Azalea

Rhododendron viscosum Swamp Azalea

Staphylea trifolia American Bladdernut

Vaccinium angustifolium Late Lowbush (Sweet) Blueberry

Vaccinium corymbosumHighbush BlueberryVaccinium pallidumEarly Lowbush Blueberry

Vaccinium stamineum Tall Deerberry

Vaccinium vacillans Early Lowbush (Dryland) Blueberry

Viburnum trilobum American Cranberry Bush

Yucca filamentosa (EG) Adam's Needle

## Woody species for full sun

Amorpha fruticosa Leadplant, Indigobush
Diervilla sessifolia Southern Bush Honeysuckle

Juniperus virginiana (EG)Eastern Red CedarMorella cerifera (EG)Southern Wax Myrtle

Morella pennsylvanica (EG)

Rhus aromatica

Rhus glabra

Yucca filamentosa (EG)

Bayberry

Fragrant Sumac

Smooth Sumac

Adam's Needle

### **Ferns and Grasses**

#### **Ferns**

All ferns need shade; but this may vary with the amount of moisture they receive. These are listed in order of drought tolerance after establishment (rather than alphabetical). Sensitive and Ostrich Fern will tolerate full sun with wet conditions.

Polystichum acrostichoides (EG) Christmas Fern

Dryopteris marginalis (EG) Evergreen Shield or Wood Fern

Onoclea sensibilisSensitive FernThelypteris novaboracensisNew York FernMatteuchia strutheropterisOstrich FernAthyrium felix-feminaLady Fern

#### Grasses

#### Grasses for medium shade

Carex blanda Eastern Woodland Sedge

Carex glaucodea Blue Sedge

Carex pennsylvanicaPennsylvania SedgeCarex plantaginaePlantain-Leaf SedgeCarex platyphyllaBroad-Leaf SedgeElymus hystrixBottlebrush grassFestuca rubraRed FescueLuzula echinataSpike Wood Rush

#### Part shade-tolerant grasses

Chasmanthium latifolium Sea or River Oats
Panicum virgatum Panic Grass

#### Grasses needing full sun

Andropogon virginicus Broomsedge

Carex intumescens Greater Bladder Sedge

Carex lurida Lurid Sedge
Eragrostis spectabilis Purple Love Grass

Muhlenberghia capillarisHairawn Muhly GrassSchizachirium scoparuimLittle BluestemSporobulus heterolepisNorthern DropseedTridens flavusPurpletop Grass

# **Submerged and Emergent Aquatic Garden Species**

#### **Emergent Plants**

These plants differ in the depths they prefer.

Peltandra virginicaArrow ArumSaggitaria latifoliaArrowheadSaururus cernuusLizard's TailAcorus calamusSweet FlagHibiscus moscheutosMarsh Hibiscus

Iris versicolor Blue Flag, Blue Water Iris

Juncus effusus Soft Rush

Kosteletskya virginica Seashore Mallow

Nuphar luteaSpatterdock, Yellow Water LilyNymphea odorataAmerican or Fragrant Water Lily

Pontaderia cordata Pickerelweed
Typha angustifolia Narrow-leaf Cattail

#### **Submerged Plants**

These provide oxygen to the water

Vallisneria sp. Wild Celery Cabomba canadensis, C. caroliniana Fanwort

#### **Herbaceous Perennials**

Annotations include: (EG) – Evergreen; (A) – Annual; (M) – Monarch larval food; (H) – Hummingbird favorite

#### Herbaceous species for (mostly) part shade to full shade

Actaea racemosaBlack SnakerootArisaema triphyllumJack-in-the-PulpitAsarum canadenseWild Ginger

Campanula americana American Bellflower
Chrysogonum virginicum Green and Gold

Conoclinium coelestinum Blue Mist Flower, Wild Ageratum

Cryptotaenia canadensis (M) Honewort

Dicentra eximia Fringed Bleeding Heart

Eurybia (Aster) cordifolius
Eurybia (Aster) divaricata
Heuchera americana
Heuchera villosa
Iris cristata

Blue Wood Aster
White Wood Aster
Hairy Alumroot
Hairy Alumroot
Crested Iris

Maianthemum racemosumFalse Solomon's SealMertensia virginicaVirginia BluebellsMitchella repens (EG)PartridgeberryPachysandra procumbens (EG)Allegheny SpurgePackera aurea (EG)Golden Ragwort

Phlox divaricataWild Blue PhloxPolygonatum biflorumSolomon's SealSedum ternatum (EG)Wild Stonecrop

Solidago caesiaBluestem or Wreath GoldenrodSolidago flexicaulisBroadleaf or Zig-Zag GoldenrodTeucrium canadenseWood Sage, American Germander

Tiarella cordifolia Foamflower
Viola canadensis Canada violet

#### Herbaceous species for full sun to part sun

Most of these species tolerate more sun with somewhat more, consistent moisture, except those preferring poor soils

Amsonia tabernaemontana Blue Star Flower
Anemone canadensis Canada Anemone

Antennaria plantaginoides, A. neglecta Pussy-toes

Aquilegia canadensis (H) Canadian, Wild Columbine

Cheolone glabra White Turtlehead
Coreopsis verticillata Threadleaf Tickseed
Eupatoradelphus fistulosa Hollow Joe Pye Weed
Eupatorium hyssopifolium Hyssop-leaved Boneset

Fragaria virginiana Wild Strawberry
Geranium maculatum Wild Geranium

Heliopsis helianthoides Ox-eye, False Sunflower

Hypericum hypericoides St Andrews Cross

Liatris spicata Dense Gayfeather, Blazing Star

Lilium superbum

Lobelia cardinalis (H)

Lobelia siphilitica

Mimulus ringens, M. alatus

Turk's Cap Lily

Cardinal flower

Great Blue Lobelia

Monkey Flower

Monarda fistulosa Wild Bergamot, Horsemint

Packera aurea (EG) Golden Ragwort

Penstemon digitalisBeardtounge PenstemonPenstemon laevigatusSmooth PenstemonPhlox paniculataSummer PhloxPhlox stoloniferaCreeping Phlox

Phlox subulata (EG) Moss Phlox, Moss Pink

Physostegia virginiana Obedient Plant, False Dragonhead

Pycnanthemum muticum Blunt Mountain Mint

Pycnanthemum tenuifolium Narrow leaved Mountain Mint

Ruellia caroliniensis Carolina Wild Petunia

Salvia lyrata Lyre-leaf Sage
Solidago sphacelata Autumn Goldenrod

Spigelia marilandica (H) Indian Pink, Maryland Pinkroot Symphyotrichum (Aster) ericoides Heath or Dense-flowered Aster

Symphyotrichum (Aster) laevis Smooth Blue Aster

Symphyotrichum (Aster) lateriflorum Calico Aster

Symphyotrichum novae-anglaeNew England AsterSymphyotrichum novae-belgiiNew York AsterSysyrinchium angustifoliumBlue-eyed GrassTradescantia virginianaVirginia SpiderwortVeronicastrum virginicumCulver's RootZizia aurea (M)Golden Alexanders

#### Herbaceous species for full sun

Agastache foeniculum Anise Hyssop
Asclepias tuberosa (M) Butterflyweed

Coreopsis lanceolataLance leaved CoreopsisEchinacea purpureaPurple ConeflowerEryngium yuccafoliumRattlesnake MasterHypericum prolificumShrubby St John's WortMonarda didyma (H)Bee Balm, Oswego Tea

Rudbeckia fulgida Black-eyed Susan, Orange Coneflower

Rudbeckia hirta Black-eyed Susan

Rudbeckia triloba Three-lobed Coneflower

Solidago juncea Early Goldenrod

# **Combination Plantings - Shrub and perennial**

The plant combinations below are selected for their similar light, moisture and soil needs. The shapes of the plants and the bloom times should be complimentary to one another.

#### For Shade to part shade

Flowering Raspberry, Bottlebrush grass, Blue Wood Aster

Rubus odoratus, Elymus hystrix, Symphyotrichum cordifolius

Mountain Laurel, Christmas Fern, Wintergreen

Kalmia latifolia, Polystichum acrostichoides, Gaultheria procumbens

Witchhazel, Wood Fern, White Wood Aster

Hamamelis virginiana, Dryopteris marginalis, Symphyotrichum divaricata

Spicebush, Jack-in-the-Pulpit, Canada Anemone

Lindera benzoin, Arisaema triphyllum, Anemone canadensis

Winterberry, Christmas Fern, Blue Wood Aster

Ilex verticillata, Polystichum acrostichoides, Eurybia cordifolia

#### For part Shade to more sun

Bladdernut, White Turtlehead, Virginia Spiderwort

Staphylea trifolia, Cheolone glabra, Tradescantia virginiana

Serviceberry, Christmas Fern, Bluestem Goldenrod

Amelanchier canadensis, Polystichum acrostichoides, Solidago caesia

Sweetbay Magnolia, Bee Balm, Sensitive fern

Magnolia virginiana, Monarda didyma, Onoclea sensibilis

Pinxterbloom Azalea, Blue Star Flower, White Wood Aster

Rhododendron pericyclemenoides, Amsonia tabernaemontana, Symphyotrichum divaricata

Atlantic White Cedar, Solomon's seal, Wild Strawberry

Arborvitae occidentalis (small cultivar), Polygonatum biflorum, Fragaria virginica

Fringetree, Hairy Alumroot, Pennsylvania Sedge

Chionanthus virginicus, Heuchera villosa, Carex pennsylvanica

Red Chokeberry, Blue Wood Aster, New York Fern

Aronia arbutifolia, Eurybia cordifolia, Thelypteris novaboracensis

Summersweet, Virginia Spiderwort, Obedient Plant

Clethra alnifolia, Tradescantia virginiana, Physostegia virginiana

#### For full sun

Eastern Red Cedar, Broomsedge Bluestem, Early Goldenrod

Juniperus virginiana, Andropogon virginicus, Solidago juncea

Northern Bayberry, Sweetfern, Butterflyweed

Morella pennsylvanica, Comptonia perigrina, Asclepias tuberosa

# **Combination Plantings - Perennials only**

#### For full sun to part shade

Hyssop-leaved Boneset, Autumn Goldenrod, Spike Gayfeather

Eupatorium hyssopfolium, Solidago sphacelata, Liatris spicata

Rattlesnake Master, Threadleaf Tickseed, Purple Coneflower

Eryngium yuccafolium, Coreopsis verticillata, Echinaceae purpurea

Hollow Joe Pye Weed, Autumn Goldenrod, Heath Aster, New York Aster

Eupatoriadelphus fistulosus, Solidago sphacelata, Symphyotrichum ericoides, Symphyotrichum nova-belgii

Shrubby St John's Wort, New York Aster, Northern Dropseed

Hypericum prolificum, Symphyotrichum nova-belgii, Sporobulus heterolepis

Ox-eye, Spike Gayfeather, Purple Coneflower

Heliopsis helianthoides, Liatris spicata, Echinaceae purpurea

Black-eyed Susan, Anise Hyssop, Spike Gayfeather

Rudbeckia fulgida, Agastache foeniculum, Liatris spicata

Turks Cap Lily, New York Aster, Blunt Mountain Mint

Lilium superbum, Symphyotrichum nova-belgii, Pycnanthemum muticum

Wild Geranium, Threadleaf Tickseed, Obedient Plant

Geranium maculatum, Coreopsis verticillata, Physostegia virginiana

Narrow leaved Mountain Mint, Anise Hyssop, Heath Aster

Pycnanthemum tenuifolium, Agastache foeniculum, Symphyotrichum ericoides

Panic Grass, Purple Coneflower, Brown-eyed Susan

Panicum virgatum, Echinaceae purpurea, Rudbeckia hirta

#### For part Shade

Ostrich Fern, Virginia Bluebells, Golden Alexanders

Matteuchia strutheropteris, Mertensia virginiana, Zizia aurea

Culvers Root, Bee Balm, Monkey Flower

Veronicastrum virginicum, Monarda didyma, Mimulus ringens

Blue Mist Flower, Great Blue Lobelia, White Turtlehead, Greater Bladder Sedge

Conoclinum coelestinium, Lobelia siphilitica, Chelone glabra, Carex intumescens

#### Vine and Perennials - for mostly sun

Scarlet Honeysuckle, Creeping Phlox, Smooth Blue Aster

Phlox stolonifera, Lonicera sempervirens, Symphyotrichum laevis

American Wisteria, White Turtlehead, Blue Sedge

Wisteria frutescens, Chelone glabra, Carex glaucodea

Groundnut, Blue Mist Flower, Bottlebrush Grass

Apios americana, Conoclinum coelestinium, Elymus hystrix

#### **Rock Garden Planter - For part Shade**

These containers may be shallow, wide bowl - style, if desired.

Wild Columbine, Wild Stonecrop, American Alumroot

Aquilegia canadensis, Sedum ternatum, Heuchera americana

St Andrew's Cross, Pussytoes, Spike Wood Rush

Hypericum hypericoides, Antennaria neglecta, Luzula echinata

#### Wetland Planter - for mostly sun

Ensure proper size and depth of these containers, as mentioned above.

Marsh Hibiscus, Blue Flag, Soft Rush

Hibiscus moscheutos, Iris versicolor, Juncus effusus

Monkey Flower, Cardinal Flower, Lurid Sedge

Mimulus ringens, Carex Iurida, Lobelia cardinalis

Seashore Mallow, Great Blue Lobelia, Lurid Sedge

Kosteletskya virginica, Carex Iurida, Lobelia siphilitica

# **Single Plant Containers**

These plants form large columns or have circular rosettes of foliage which will fill and cover the edges of their pot. They have bold, architectural forms and will make excellent accent specimens.

Black Snakeroot – Actaea racemosa (shade) Yucca – Yucca filamentosa (sun/part shade) (EG) Rosebay Rhododendron - Rhododendron maximum (shade) (EG) Red Cedar – Juniperus virginiana (sun) (EG)

# **AAH Wildlife Waystation Animal and Insect Species to Observe**

Included here are some species that might occur in properties or balconies adjacent to or near natural areas and parks in our area (Hermit Thrush, Mourning Cloak butterfly) as well as some more urban-adapted species such as Eastern Chipmunk and Song Sparrow.

#### **Birds**

Cooper's Hawk

Sharp-shinned Hawk
Woodpecker Species
White-breasted Nuthatch
House Wren
Eastern Phoebe
Ruby-crowned Kinglet
Golden-crowned Kinglet
Blue-gray Gnatcatcher
Hermit Thrush
Tufted Titmouse
Song Sparrow
White-throated Sparrow

#### **Butterflies**

Mourning Cloak Comma Question Mark Monarch

#### Insects

Grasshopper species
Katydid species
Hummingbird Clearwing Moth
Snowberry Clearwing Moth
Flower Fly (Hover Fly or Syrphid Fly)

#### **Spiders**

**Orb Web Species** 

## Mammals

Bat Species

Eastern Chipmunk