Appendix A: Native Vegetation

Several sources were used to determine vegetation species native to the Catskill Mountain region. The first list of species that is provided here, includes species recommendations for planting in different locations within the riparian buffer including, upland, bench and streamside plantings (Table A.1). This list provides information regarding the characteristics of each plant, these characteristics are described below. The second list of species is a more comprehensive list of species that are native to the Catskill Mountain region and the habitat types that species are commonly found in (Table A.2). The information on plant characteristics and wetland indicator status was obtained from the USDA plants database. Wetland indicator status was also determined using *the National List of Plant Species That Occur in Wetlands: 1988 New York.*

Northeast Indicator Category (NEWIS): The estimated probability of a species occurring in wetlands versus nonwetlands in the region. OBL, FACW, FAC, FACU, UPL.

Indicator Category Definitions

OBL: Obligate Wetland. Occur almost always (estimated probability >99% under natural conditions in wetlands.

FACW: Facultative Wetland. Usually occur in wetlands (estimated probability 67%-99%), but occasionally found in nonwetlands.

FAC: Facultative. Equally likely to occur in wetlands or nonwetlands (estimated probability 34%-66%).

FACU: Facultative Upland. Usually occur in nonwetlands (estimated probability 67%-99%), but occasionally found in wetlands (estimated probability 1%-33%).

UPL: Obligate Upland. Occur in wetlands in another region, but occur almost always (estimated probability >99%) under natural conditions in nonwetlands in the region specified. If a species does not occur in wetlands in any region, it is not on the National List.

A positive (+) or negative (-) sign was used with the Facultative Inidcator categories to more specifically define regional frequency of occurrence in wetlands. The positive sign indicates a frequency toward the higher end of the category (more frequently found in wetlands), and a negative sign indicates a frequency toward the lower end of the category (less frequently found in wetlands).

Habit: Habit symbols are combined to describe the life form of the species.

| Symbol | Characteristic or Life Form |
|--------|------------------------------------|
| А | Annual |
| В | Biennial |
| С | Clubmoss |
| Е | Emergent |

| @ | Epiphytic |
|---------|-----------------|
| F | Forb |
| / | Floating |
| F3 | Fern |
| G | Grass |
| GL | Grasslike |
| Н | Partly woody |
| HS | Half shrub |
| H2 | Horsetail |
| Ι | Introduced |
| Ν | Native |
| Р | Perennial |
| + | Parasitic |
| P3 | Pepperwort |
| Q S | Quillwort |
| S | Shrub |
| - | Saprophytic |
| Z \$ | Submerged |
| \$ | Succulent |
| Т | Tree |
| V | Herbaceous vine |
| W | Waterfern |
| WV | Woody vine |

Species Characteristics

Growth Rate: The growth rate relative to other plant species. Slow, Moderate, Rapid, Unknown

Coarse Textured Soils: Can this plant establish and grow in coarse textured soils?

Coarse Textured Soils: Can this plant establish and grow in fine textured soils?

Moisture Use: What are this plant's relative moisture requirements for growth?

Planting Density per Acre: The recommended minimum and maximum number of individuals to plant per acre.

Cuttings: Can the plant be propagated as cuttings?

Seedling Vigor: What is the relative vigor of the plant in seedling stage? Low, Medium, High, Unknown

| Species recommended for | upland plantings | | | | | | | |
|-------------------------|---------------------|-------|----------------|-----------------|---------------|-----------------|-------------------|----------|
| Scientific Name | Common Name | NEWIS | Growth Rate | Coarse Soils | Fine Soils | Moisture Use | Seedling Vigor | Cuttings |
| Trees | | | | | | | | |
| Acer rubrum | Red maple | FAC | Rapid | Yes | Yes | High | Medium | No |
| Betula alleghaniensis | Yellow birch | FAC | Rapid | Yes | Yes | Medium | Medium | No |
| Betula papyrifera | Paper birch | FACU | Rapid | Yes | Yes | High | Medium | Yes |
| Betula populifolia | Gray birch | FAC | Rapid | Yes | Yes | Low | Medium | No |
| Carya ovata | Shagbark hickory | FACU | Rapid | Yes | No | Medium | High | No |
| Pinus resinosa | Red pine | FACU | Rapid | Yes | No | Low | High | No |
| Pinus rigida | Pitch pine | FACU | Rapid | Yes | No | Low | High | No |
| Populus grandidentata | Bigtooth aspen | FACU- | Rapid | Yes | No | High | Medium | No |
| Prunus pensylvanica | Pin cherry | FACU | Rapid | Yes | Yes | Medium | Low | Yes |
| Prunus serotina | Black cherry | FACU | Rapid | Yes | No | Medium | High | No |
| Ulmus rubra | Slippery or red elm | FAC | Rapid | Yes | Yes | High | High | No |
| Shrubs | | | | | | | | |
| Cornus florida | Flowering Dogwood | FACU | Moderate | No | No | Low | Medium | No |
| Kalmia latifolia | Mountain laurel | FACU | Slow | Yes | No | Low | Low | Yes |
| Prunus virginiana | Choke cherry | FACU | Rapid | Yes | Yes | Medium | Medium | No |
| Vaccinium angustifolium | Lowbush blueberry | FACU | Moderate | Yes | Yes | Medium | Low | Yes |

| Species recommended for | bench plantings. | | | | | | | |
|-------------------------|------------------|-------|----------------|-----------------|---------------|-----------------|-------------------|----------|
| Scientific Name | Common Name | NEWIS | Growth Rate | Coarse Soils | Fine Soils | Moisture Use | Seedling Vigor | Cuttings |
| Trees | | | | | | | | |
| Acer rubrum | Red maple | FAC | Rapid | Yes | Yes | High | Medium | No |
| Betula alleghaniensis | Yellow birch | FAC | Rapid | Yes | Yes | Medium | Medium | No |
| Betula populifolia | Gray birch | FAC | Rapid | Yes | Yes | Low | Medium | No |
| Fraxinus pennsylvanica | Green ash | FACW | Rapid | Yes | Yes | Medium | Medium | No |

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| Populus balsamifera | Balsam Poplar | FACW | Rapid | Yes | Yes | High | Medium | Yes |
|-------------------------------|------------------------------------|-------|----------|-----|-----|--------|---------|-----|
| Quercus bicolor | Swamp white oak | FACW+ | Rapid | Yes | Yes | High | High | No |
| Ulmus americana | American elm | FACW- | Rapid | Yes | Yes | High | Medium | Yes |
| Ulmus rubra | Slippery or red elm | FAC | Rapid | Yes | Yes | High | High | No |
| Shrubs | | | | | | | | |
| Alnus serrulata | Hazel alder | OBL | Rapid | Yes | Yes | High | Low | No |
| Alnus viridis ssp. crispa | Mountain alder | FAC | Moderate | No | No | High | Medium | No |
| Amelanchier arborea | Downy Service Berry | FAC- | Moderate | Yes | | Medium | Low | Yes |
| Cornus amomum | Silky dogwood | FACW | Moderate | Yes | Yes | High | Medium | Yes |
| Rhododendron maximum | Great or white laurel rhododendron | FAC | Slow | Yes | No | Medium | Low | Yes |
| Vaccinium corymbosum | Highbush blueberry | FACW- | Moderate | Yes | Yes | Medium | Low | Yes |
| Sambuscus nigra canadensis | Common Edlerberry | FACW- | Rapid | No | No | Medium | High | No |
| Herbaceous | | | | | | | | |
| Adiantum pedatum | Northern maidenhair | FAC- | Moderate | Yes | No | Medium | Low | No |
| Andropogon gerardii | Big Bluestem | FAC | Moderate | Yes | Yes | High | Low | No |
| Arisaema triphyllum | Jack-in-the-Pulpit | FACW- | Moderate | Yes | No | High | Low | No |
| Athyrium filix-femina | Common ladyfern | FAC | Moderate | No | No | Medium | Unknown | No |
| | common sneezeweed or Helen's | | | | | | | |
| Helenium autumnale | Flower | FACW+ | Rapid | Yes | Yes | Medium | High | No |
| Helianthus tuberosus | Jerusalem Artichoke | FAC | Rapid | Yes | No | Low | Medium | No |
| Osmunda cinnamomea | Cinnamon fern | FACW | Moderate | No | Yes | Medium | Medium | No |

| Species recommended for | or streamside plantings | | | | | | | |
|-------------------------|-------------------------|-------|----------------|-----------------|---------------|-----------------|-------------------|----------|
| Scientific Name | Common Name | NEWIS | Growth Rate | Coarse Soils | Fine Soils | Moisture Use | Seedling Vigor | Cuttings |
| Willows | | | | | | | | |
| Salix amygdaloides | Peach-leaved willow | FACW | Rapid | Yes | No | High | Low | Yes |
| Salix bebbiana | Beaked willow | FACW | Moderate | Yes | Yes | High | Unknown | Yes |

| Salix discolor | Pussy willow | FACW | Rapid | Yes | Yes | High | High | Yes |
|-----------------------|-----------------------|-------|----------|-----|-----|--------|---------|-----|
| Salix eriocephala | Gall willow | FACW | Rapid | No | Yes | High | High | Yes |
| Salix nigra | Black willow | FACW+ | Rapid | Yes | Yes | High | Low | Yes |
| Salix sericea | Silky willow | OBL | Rapid | Yes | Yes | High | Medium | Yes |
| Shrubs | | | | | | | | |
| Alnus serrulata | Hazel alder | OBL | Rapid | Yes | Yes | High | Low | No |
| Cornus amomum | Silky dogwood | FACW | Moderate | Yes | Yes | High | Medium | Yes |
| Herbaceous | | | | | | | | |
| Carex flaccosperma | Blue Wood Sedge | FAC | Slow | No | Yes | High | Low | No |
| Carex grayi | Gray's Sedge | FACW+ | Slow | No | Yes | High | Low | No |
| Carex intumescens | Greater bladder sedge | FACW+ | Moderate | No | Yes | High | Low | No |
| Carex lacustris | Hairy sedge | OBL | Rapid | No | Yes | High | Low | No |
| Carex stricta | Upright sedge | OBL | Moderate | Yes | Yes | Medium | Medium | No |
| Carex vulpinoidea | Fox Sedge | OBL | Moderate | No | Yes | Medium | Medium | No |
| Cinna arundinacea | Sweet Woodreed | FACW+ | Moderate | Yes | Yes | Low | Medium | No |
| Elymus riparius | Riverbank wildrye | FACW | Moderate | Yes | Yes | High | High | No |
| Osmunda regalis | Royal fern | OBL | Moderate | Yes | Yes | High | Unknown | Yes |
| Peltandra virginica | Arrow arum | OBL | Slow | Yes | Yes | High | Medium | No |
| Symplocarpus foetidus | Skunk cabbage | OBL | Moderate | Yes | Yes | High | Medium | No |

| Common Name Trees | Scientific Name | Habitat Types |
|---------------------------------|-----------------------|--|
| American beech FACU | Fagus grandifolia | Northern hardwoods forest; moist, well-drained, acidic soils, dominant; AND Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slopes; codominant; AND Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slopes with well drained rocky soils; common associate; AND Spruce-northern hardwood forest; occurs on lower mountain slopes; codominant tree |
| American elm FAC, FACW; NT | Ulmus americana | Successional northern hardwoods; AND Red maple-hardwood swamp; found throughout New York; codominant |
| Balsam fir FAC, FACW; NT | Abies balsamea | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); dominant; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; almost entirely balsam fir; AND Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods; dominant; AND Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub openings; dominant; AND Spruce-northern hardwood forest; occurs on lower mountain slopes; AND Boreal coniferous forest; southern most portion |
| Balsam poplar FACU, FACW; NT | Populus balsamifera | Successional northern hardwoods; characteristic tree |
| Basswood FACU | Tilia americana | Northern hardwoods forest; moist, well-drained, acidic soils, not dominant; AND Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slopes; codominant |
| Bigtooth aspen FACU | Populus grandidentata | Successional northern hardwoods; characteristic tree |
| Bitternut hickory FACU, FAC | Carya cordiformis | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; not dominant; AND Red maple-hardwood swamp; found throughout New York; low percent cover |
| Black ash FACW NT | Fraxinus nigra | Red maple-hardwood swamp; found throughout New York; codominant |
| Black birch FACU | Betula lenta | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slopes; codominant |
| Black cherry FACU | Prunus serotina | Northern hardwoods forest; moist, well-drained, acidic soils, not dominant; AND Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slopes; codominant; AND Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slopes with well drained rocky soils; common associate; AND Successional northern hardwoods; characteristic tree |
| Black gum FAC | Nyssa sylvatica | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation; AND Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring tree; AND Red maple-hardwood swamp; found throughout New York; low percent cover |
| Black oak | Quercus velutina | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; dominant; AND Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slopes with well drained rocky soils; dominant |
| Butternut FACU | Juglans cinerea | Red maple-hardwood swamp; found throughout New York; low percent cover |
| Chestnut oak UPL, FACU | Quercus prinus | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; dominant; AND Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub openings; dominant; AND Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slopes with well drained rocky soils; dominant |
| Choke cherry | Prunus virginiana | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |

Table A.2 Tree, shrub and herbaceous species native to the Catskill Mountain region.

| FACU, FAC Eastern hemlock | Tsuga canadensis | Hemlock-hardwoods forest; 305-1006 meters; co-dominant with hardwood species; AND |
|------------------------------|------------------------------|--|
| FACU | 1 suga canadensis | Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods; dominant; AND |
| inco | | Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub o |
| | | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slop |
| | | associate; AND |
| | | Spruce-fir swamp; found in the Catskills ecozone; less frequently occurring tree; AND |
| | | Hemlock-hardwood swamp; found throughout upstate New York; dominant |
| Eastern hop hornbeam | Ostrya virginiana | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; not d |
| FACU | Ostrya virginiana | Apparacinan bak-mekory forest, uryer, warmer, south and west-facing slopes and lower elevations, not u |
| Gray birch | Betula populifolia | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| FAC NT | Denna populijona | Successional northern hardwoods; characteristic tree |
| Green ash | Fraxinus pensylvanica | Successional northern hardwoods; AND |
| FAC, FACW, NT | r reactives periody trainied | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring tree; AND |
| | | Red maple-hardwood swamp; found throughout New York; codominant |
| Ironwood | Carpinus carolinianus | Red maple-hardwood swamp; found throughout New York; low percent cover |
| lioliwood | Curpinus curonnunus | Red maple-hardwood swamp, found throughout New Tork, fow percent cover |
| Mountain ash | Sorbus americana | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); sub-canopy; AND |
| FACU, FAC | | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; almost entirely balsam fir; oc |
| | | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation; |
| | | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring shru |
| Mountain maple | Acer spicatum | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); sub-canopy; AND |
| FACU | | Spruce-northern hardwood forest; occurs on lower mountain slopes; subcanopy tree |
| Mountain paper birch | Betula cordifolia | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); common associate; AND |
| puper enen | Denna coragona | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; almost entirely balsam fir; sm |
| | | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation; |
| Paper birch | Betula papyrifera | Successional northern hardwoods; characteristic tree; AND |
| FACU | Denna papyrgera | Boreal coniferous forest; southern most portion |
| Pignut | Carya glabra | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; mixed |
| FACU | | |
| Pin cherry | Prunus pensylvanica | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); sub-canopy; AND |
| FACU | 1 2 | Successional northern hardwoods; characteristic tree |
| Pitch pine | Pinus rigida | Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub o |
| 1 | 0 | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slop |
| FACU | | dominant |
| | | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Quaking aspen | Populus tremuloides | Successional northern hardwoods; characteristic tree |
| FACU, FAC, IT | 1 | |
| Red maple | Acer rubrum | Northern hardwoods forest; moist, well-drained, acidic soils, not dominant; AND |
| FAC, NT | | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; not d |
| | | Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub o |
| | | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slop |
| | | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo |
| | | |
| | | associate: AND |
| | | associate; AND Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |

| b openings; dominant; AND slopes with well drained rocky soils; common |
|---|
| ot dominant |
| ation; AND |
|) |
| |
| ; occassional individual; AND on; characteristic tree; AND shrub |
| |
| ; small amounts of paper birch; AND on; characteristic tree |
| |
| nixed in lower densities |
| |
| b openings; dominant; AND slopes with well drained rocky soils; |
| ation; characteristic species |
| |
| ot dominant; AND ib openings; dominant; AND slopes; codominant; AND slopes with well drained rocky soils; common |

tion; AND

| | | Successional northern hardwoods; characteristic tree; AND |
|-------------------------------------|---------------------|---|
| | | Spruce-fir swamp; found in the Catskills ecozone; codominant tree; AND |
| | | Hemlock-hardwood swamp; found throughout upstate New York; codominant; AND |
| | | Red maple-hardwood swamp; found throughout New York; dominant |
| Red oak | Quercus rubra | Northern hardwoods forest; moist, well-drained, acidic soils, not dominant; AND |
| | 2 | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations (1); u |
| FACU | | AND |
| | | Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub |
| | | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| | | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo |
| | | dominant; AND |
| | | Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; codomination |
| | | Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods with a shrub layer; dominant; AN |
| | | Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub |
| | | Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; dominant |
| Red spruce | Picea rubens | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); dominant; AND |
| FACU | | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; almost entirely balsam fir; o |
| | | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation |
| | | Spruce-northern hardwood forest; occurs on lower mountain slopes; codominant tree; AND |
| | | Spruce-fir swamp; found in the Catskills ecozone; dominant tree |
| | | Boreal coniferous forest; southern most portion |
| | | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo |
| Scarlet oak | Quercus coccinea | dominant; AND |
| | | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Scrub oak | Quercus ilicifolia | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; dom |
| Serviceberry | Amelanchier arborea | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| FAC, FACU, NT | | |
| Shagbark hickory | Carya ovata | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; not o |
| FACU | | |
| Slippery or red elm | Ulmus rubra | Red maple-hardwood swamp; found throughout New York; codominant |
| FAC, NT | | |
| Striped maple | Acer pensylvanicum | Hemlock-hardwoods forest; 305-1006 meters; mid-story tree; AND |
| FACU | | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); sub-canopy; AND |
| | | Spruce-northern hardwood forest; occurs on lower mountain slopes; subcanopy tree |
| Sugar maple | Acer saccharum | Northern hardwoods forest; moist, well-drained, acidic soils, dominant; AND |
| UPL, FACU | | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| | | Spruce-northern hardwood forest; occurs on lower mountain slopes; codominant tree |
| Swamp white oak FACW, OBL, NT | Quercus bicolor | Red maple-hardwood swamp; found throughout New York; codominant |
| Sweet pignut, Red hickory UPL, FACU | Carya ovalis | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; mix |
| White ash | Fraxinus americana | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; not |
| FACU | | Successional northern hardwoods; AND |
| | | Red maple-hardwood swamp; found throughout New York; codominant |
| | | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations (1); u |
| White oak | Quercus alba | AND |

| usually ridgetops, upper slopes (3)dominant; |
|---|
| o openings; dominant; AND lopes; codominant; AND lopes with well drained rocky soils; |
| ant ND o openings; dominant; AND |
| t |
| occassional individual; AND n; characteristic tree |
| |
| lopes with well drained rocky soils; |
| ion; characteristic species |
| ion |
| t dominant |
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| |
| lopes; codominant; AND |
| |
| ixed in lower densities |
| t dominant; AND |
| |

; usually ridgetops, upper slopes (3)dominant;

| FACU | | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo dominant |
|---------------|-----------------------|---|
| White pine | Pinus strobus | Northern hardwoods forest; moist, well-drained, acidic soils, not dominant; AND |
| FACU | | Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods; dominant; AND |
| | | Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub o |
| | | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| | | Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo |
| | | dominant; AND |
| | | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetatio |
| | | Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; codominar |
| | | Successional northern hardwoods; characteristic tree; AND |
| | | Spruce-fir swamp; found in the Catskills ecozone; less frequently occurring tree; AND |
| | | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring tree; AND |
| | | Red maple-hardwood swamp; found throughout New York; low percent cover |
| Yellow birch | Betula alleghaniensis | Northern hardwoods forest; moist, well-drained, acidic soils, dominant; AND |
| FACU, FAC, NT | | Spruce-fir forest; higher elevation peaks (900-1200 meters); sub-canopy or (common associate Source 3) |
| | | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| | | Spruce-northern hardwood forest; occurs on lower mountain slopes; codominant tree; AND |
| | | Spruce-fir swamp; found in the Catskills ecozone; less frequently occurring tree; AND |
| | | Hemlock-hardwood swamp; found throughout upstate New York; codominant; AND |
| | | Red maple-hardwood swamp; found throughout New York; codominant |

Shrubs

| Lonicera canadensis | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); shrub layer; AND |
|-----------------------------|--|
| | Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic shrub |
| Corylus cornuta | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; sub- |
| | |
| Arctostaphylos uva-ursi | Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; characteris |
| | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring shru |
| Taxus canadensis | Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic shrub |
| | |
| Aronia spp. ? Notes say dry | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Aronia melanocarpa | |
| | |
| Aronia prunifolia | |
| | |
| Aronia arbutifolia | |
| | |
| Prunus virginiana | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; sub- |
| | |
| Sambucus canadensis | Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| | |
| Juniperus communis | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Vaccinium stamineum | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
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| | Corylus cornuta Arctostaphylos uva-ursi Taxus canadensis Aronia spp. ? Notes say dry Aronia melanocarpa Aronia prunifolia Aronia arbutifolia Prunus virginiana Sambucus canadensis Juniperus communis |

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| Dwarf raspberry/blackberry FACW, FAC, NF | Rubus pubescens | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); shrub layer |
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| Flowering dogwood FACU | Cornus florida | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; sub- |
| Gray dogwood | Cornus racemosa | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; su Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Great rhododendron FAC, NT | Rhododendron maximum | Hemlock-hardwood swamp; found throughout upstate New York; characteristic shrub |
| Green alder | Alnus viridis | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; almost entirely balsam fir; of Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring sh |
| Hazel/Brook alder OBL, FACW, NT | Alnus serrulata | Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Highbush blueberry FACW,NS | Vaccinium corymbosum | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring she Hemlock-hardwood swamp; found throughout upstate New York; characteristic shrub; AND Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Hobblebush FAC, NS | Viburnum lantanoides | Hemlock-hardwoods forest; 305-1006 meters; shrub layer; AND Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); shrub layer; AND Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic shrub; AND Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub |
| Huckleberry FACU | Gaylussacia baccata | Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods with a shrub layer; dominant; AN Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo layer; AND Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Labrador tea OBL, FACW, NS | Ledum groenlandicum | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; almost entirely balsam fir; o |
| Lowbush blueberry FACU | Vaccinium angustifolium | Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods with a shrub layer; dominant; AN Pitch pine-oak-heath rocky summit; on warmer ridgetops; stunted oak and pine forest with dwarf shrub Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; sub Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slo layer; AND Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; characteri |
| Maple-leaved viburnum UPL, FACU | Viburnum acerifolium | Hemlock-hardwoods forest; 305-1006 meters; shrub layer; AND Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; sub |
| Mountain alder FAC, FACW, NS | Alnus viridis ssp. crispa Alnus crispa | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub |
| Mountain/Early azalea FAC, NS | Rhododendron prinophyllum | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); shrub layer |
| Mountain holly, Catberry OBL, NS | Nemopanthus mucronatus | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); shrub layer; AND Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic and dominant Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub |
| Mountain laurel FACU | Kalmia latifolia | Spruce-fir rocky summit; exposed ledges and ridgetops; sparse woods with a shrub layer; dominant; AN Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |

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| Nannyberry FAC, FACU, NTS | Viburnum lentago | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub |
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| Northern Arrowwood FACW, NS | Viburnum recognitum | Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Raspberries | Rubus spp. | Hemlock-hardwoods forest; 305-1006 meters; shrub layer |
| Red elderberry FACU | Sambucus racemosa | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); shrub layer Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; subc |
| Redosier dogwood | Cornus sericea | Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Scrub oak | Quercus ilicifolia | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Shadbush/ downy serviceberry FAC, FACU, NT | Amelanchier arborea | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; sub-c |
| Sheep laurel FAC, NS | Kalmia angustifolia | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Silky dogwood FACW, NS | Cornus amomum | Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Southern low blueberry | Vaccinium pallidum | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; sub- Appalachian oak-pine forest; mixed forest occurs on sandy soils, sandy ravines in pine barrens, or on slop layer; AND Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Speckled alder FACW, FAC, OBL, NT | Alnus incana ssp. rugosa | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Spicebush FACW | Lindera benzoin | Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Sweet fern | Comptonia peregrina | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Velvetleaf Blueberry FAC, FACU, FACW, NS | Vaccinium myrtilloides | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation; Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring shru |
| Wild raisin, Withe-rod FACW, NS | Viburnum cassinoides | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring shru Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub; AND Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Winterberry FACW, OBL, NST | Ilex verticillata | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; less frequently occurring shru Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring shrub Red maple-hardwood swamp; found throughout New York; characteristic shrub |
| Witch hazel FAC, FACU, NST | Hamamelis virginiana | Appalachian oak-hickory forest; dryer, warmer, south and west-facing slopes and lower elevations; sub-c |

Herbaceous

| Peltandra virginica | Red maple-hardwood swamp; found throughout New York; characteristic herb |
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| Uvularia sessilifolia | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slopes |
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| Cimicifuga racemosa | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; ground |
| Clintonia borealis | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND |
| | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND |
| | Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant |
| Pteridium aquilinum | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| | Uvularia sessilifolia Cimicifuga racemosa Clintonia borealis |

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| Bristly/Stiff clubmoss FAC, FACU PNC | Lycopodium annotinum | Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb |
| Bromelike sedge FACW, PNGL | Carex bromoides | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring herb |
| Bunchberry FAC, FACU, NS | Cornus canadensis | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation; Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant; AN Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb |
| Canada mayflower (Wild Lily of the Valley) FAC, FACU, PNF | Maianthemum canadense | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant; AN Hemlock-hardwood swamp; found throughout upstate New York; characteristic herb |
| Christmas fern FACU, UPL, FAC | Polystichum acrostichoides | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb; AND Hemlock-hardwood swamp; found throughout upstate New York; characteristic herb; AND Red maple-hardwood swamp; found throughout New York; dominant fern |
| Common (Tufted) hairgrass | Deschampsia flexuosa | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; characterist |
| Common wood fern | Dryopteris campyloptera | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant |
| Common wood-sorrel | Oxalis acetosella | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant; AN Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb |
| Cow-wheat FACU | Melampyrum lineare | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Creeping snowberry FACW, NS | Gaultheria hispidula | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb |
| Crested wood fern FACW, OBL, PNEF3 | Dryopteris cristata | Red maple-hardwood swamp; found throughout New York; herbaceous layer |
| Dewdrop, Robin-Run-Away Fac, FACU, FACW, PNF | Dalibarda repens | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb |
| False nettle, Small spike FACW, OBL, PNF | Boehmeria cylindrica | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| False Solomon's seal FACU | Smilacina racemosa | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; gro |
| Foamflower FAC, PNF | Tiarella cordifolia | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| Goldthread FACW, FAC, PNF | Coptis trifolia | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant; AN |

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| Greater bladder sedge FACW, OBL, PNGL | Carex intumescens | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Hairy/Smooth Sheath sedge OBL, PNGL | Carex lacustris | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Harebell FACU, UPL, FAC | Campanula rotundifolia | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation |
| Hepatica americana | Hepatica americana | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; gr |
| Indian cucumber-root | Medeola virginiana | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation sl Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant |
| Jewelweed FACW, ANF | Impatiens capensis | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Large-leaf goldenrod | Solidago macrophylla | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation |
| Little bluestem FACU, PNG | Schizachyrium scoparium | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetati |
| Marsh fern | Thelypteris palustris | Red maple-hardwood swamp; found throughout New York; dominant fern |
| Marsh marigold OBL, PNF | Caltha palustris | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Mountain (Whorled) aster | Aster acuminatus | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb |
| Mountain goldenrod FACU | Solidago spathulata ssp. randii | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation |
| Mountain sorrel, white woodsorrel FAC, UPL, PNF | Oxalis montana | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring herb |
| Mountain wood fern | Dryopteris campyloptera | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND Mountain fir forest; 1100-1400 meters; cool upper slopes exposed to wind; characteristic herb; AND Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation sl |
| Northern long sedge | Carex folliculata | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb; AND Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring herb |
| Partridge berry FACU | Mitchella repens | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation sl |
| Pennsylvania sedge | Carex pensylvanica | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; gr Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetati Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; character |
| Pink corydalis | Corydalis sempervirens | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| Poverty-grass | Danthonia spicata | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetati Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; character |
| Purple trillium FACU, UPL | Trillium erectum | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation sl |
| Rattlesnake root FACU | Prenanthes alba | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; gr |

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| Round-leaf violet FAC, PNF | Viola rotundifolia | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
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| Royal fern OBL, PNF3 | Osmunda regalis | Red maple-hardwood swamp; found throughout New York; dominant fern |
| Sensitive fern | Onoclea sensibilis | Hemlock-hardwood swamp; found throughout upstate New York; characteristic herb |
| FACW, PNEF3 | | Red maple-hardwood swamp; found throughout New York; dominant fern |
| Shining clubmoss | Lycopodium lucidulum | Mountain Spruce-fir forest; higher elevation peaks (900-1200 meters); characteristic herb; AND |
| FACW, FAC, PNC | | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant |
| Skunk cabbage OBL, PNF | Symplocarpus foetidus | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Small ricegrass | Oryzopsis pungens | Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation; |
| Spinulose wood fern | Dryopteris carthusiana | Red maple-hardwood swamp; found throughout New York; herbaceous layer |
| Star flower | Trientalis borealis | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| FAC, PNF | | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb |
| Tall meadow rue FACW, PNF | Thalictrum pubescens | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Threeseeded sedge | Carex trisperma | Spruce-fir swamp; found in the Catskills ecozone; shrub layer often sparse; characteristic herb; AND |
| OBL, PNGL | - | Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring herb |
| Three-toothed cinquefoil | Potentilla tridentata | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation Spruce-fir rocky summit; occurs on cool, dry, rocky ridgetops and summits; patchy or sparse vegetation; |
| Trailing arbutus | Enigaga rangus | Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; characteris |
| Twisted stalk, Rosy | Epigaea repens | Hemlock-northern hardwood forest; occurs on middle to lower slopes of ravines; cool, mid-elevation slo |
| FAC, FACU, PF | Streptopus roseus | Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant |
| Upright sedge | Carex stricta | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| OBL, PNEGL | Carex sincia | Red maple-hardwood swamp, found throughout New Tork, characteristic herb |
| White goldenrod | Solidago bicolor | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; gro |
| White hellebore FACW, FACU, OBL, PNF | Veratrum viride | Red maple-hardwood swamp; found throughout New York; characteristic herb |
| Wild Sarsaparilla | Aralia nudicaulis | Appalachian oak-hickory forest; usually on ridgetops, upper slopes, or south and west facing slopes; gro |
| FACU, FAC | | Spruce-northern hardwood forest; occurs on lower mountain slopes; characteristic groundlayer plant; AN Hemlock-hardwood swamp; found throughout upstate New York; less frequently occurring herb |
| Wintergreen | Gaultheria procumbens | Pitch pine-oak-heath rocky summit; occurs on warm, dry, rocky ridgetops and summits; sparse vegetation |
| FACU | | Red pine rocky summit; cool, dry, rocky ridgetops and summits; POSSIBLY in the Catskills; characteris |

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