



Native Shoreland*/Riparian Buffer Plantings for New Hampshire

* The protected shoreland is the area of land that exists between the reference line of a waterbody and 250 feet from the reference line.

Common Name(s)	Latin Name	Height	Growth Rate	Rooting	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Trees								
American Basswood (American Linden)	<i>Tilia americana</i>	Medium-Large 60-100'	Moderate	Deep	Full/Part Shade or Full Sun	Moist	Rich woods, valleys, gentle slopes	Wildlife: Pileated woodpecker, wood duck, other birds; deer, rabbit, squirrel Food: Seeds, twigs
American Beech	<i>Fagus grandifolia</i>	Medium-Large 60-90'	Slow	Shallow	Full/Part Shade or Full Sun	Dry or Moist	Rich woods, well-drained lowlands	Wildlife: Blue jay, chickadees, nuthatches, quail, ruffed grouse, tufted titmouse, wild turkey, wood duck, woodpeckers; bear, chipmunk, deer, fox, porcupine, snowshoe hare, squirrel Food: Nuts, buds, sap
American Hophornbeam (Ironwood)	<i>Ostrya virginiana</i>	Small 20-40'	Slow	Shallow	Full/Part Shade or Full Sun	Dry or Moist	Rich woods	Wildlife: Downy woodpecker, mockingbird, purple finch, ring-necked pheasant, rose-breasted grosbeak, ruffed grouse, wild turkey, wood quail; deer, rabbit, squirrel Food: Nuts, buds, seeds
American Hornbeam (Blue Beech/Musclewood)	<i>Carpinus caroliniana</i>	Small/Shrubby 20-40'	Slow	Moderate	Full/Part Shade or Full Sun	Dry, Moist, Flood Tolerant	Rich woods, forested wetlands, ravines, streambanks	Wildlife: Quail, ruffed grouse, wood duck; beaver, deer, squirrel Food: Seeds, buds
American Mountain Ash	<i>Sorbus americana</i>	Small Up to 25'	Fast	Shallow	Full/Part Shade or Full-Sun	Dry, Moist	Forested wetlands, rich woods	Wildlife: Bluebird, brown thrasher, catbird, cedar waxwing, grosbeak, mockingbird, robin, thrushes, wild turkey; bear Food: Fruit, twigs
Balsam Fir	<i>Abies balsamea</i>	Small-Medium 40-60'	Fast	Shallow	Full Sun	Moist, Flood Tolerant	Forested wetlands, streambanks, rich woods	Wildlife: Ruffed grouse, songbirds; small mammals, moose Food: Seeds
Balsam Poplar	<i>Populus balsamea</i>	Medium 60-80'	Fast	Shallow	Full Sun	Moist	Floodplains, riverbanks, streambanks, valleys	Wildlife: Beaver, deer, mouse, snowshoe hare Food: Buds, catkins, twigs, foliage
Big-Toothed Aspen	<i>Populus grandidentata</i>	Small-Medium 30-60'	Fast	Shallow	Full Sun	Dry or Moist	Sandy upland soils, floodplain streams; with quaking aspen	Wildlife: Black-capped chickadee, evening grosbeak, purple finch, ruffed grouse, yellow-bellied sapsucker; deer Food: Buds, catkins, bark, twigs, and foliage
Black Ash	<i>Fraxinus nigra</i>	Medium 60-80'	Moderate	Shallow	Full/Part Shade	Moist, Flood Tolerant	Forested wetlands, streambanks	Wildlife: Songbirds, wood duck; deer, moose, small mammals Food: Fruit, twigs, young leaves
Black Birch (Sweet Birch)	<i>Betula lenta</i>	Medium 40-60'	Moderate	Shallow	Full/Part Shade	Moist	Cool, moist uplands, rich woods	Wildlife: Grouse; deer, rabbit Food: Buds, catkins, seeds

Common Name(s)	Latin Name	Height	Growth Rate	Rooting	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Trees (Continued)								
Black Cherry	<i>Prunus serotina</i>	Medium 40-60'	Moderate	Deep Taproot	Full/Part Shade	Dry or Moist	Rich woods, on many sites except very dry soils	Wildlife: Bluebird, blue jay, brown thrasher, cardinal, catbird, cedar waxwing, common crow, eastern kingbird, evening grosbeak, mockingbird, northern flicker, northern oriole, robin, ruffed grouse, sparrows, thrushes, veery, vireo, yellow-bellied sapsucker; bear, chipmunk, deer, fox, raccoon, squirrel Food: Berries, buds, sap
Black Gum (Tupelo)	<i>Nyssa sylvatica</i>	Medium 50-60	Slow	No Information Available	Full/Part Shade	Dry or Moist	Forested wetlands, floodplains	Wildlife: Bluebird, cardinal, catbird, chickadee, crow, finches, mallards, robin, ruby-throated hummingbird, ruffed grouse, vireo, wild turkey, woodpeckers, wood duck; honeybees, bear, chipmunk, deer, opossum, squirrel Food: Seeds, sap, nectar.
Black Spruce	<i>Picea mariana</i>	Small Up to 25'	Slow	Shallow	Full/Part Shade	Moist, Flood Tolerant	Bogs, forested wetlands, lake and pond shores	Wildlife: Songbirds, ruffed grouse, spruce grouse; chipmunk, cottontail, deer, porcupine, squirrel Food: Seeds, twigs, nectar, bark
Black Willow	<i>Salix nigra</i>	Small-Medium Up to 50'	Very Fast	Very Shallow	Full Sun	Moist, Flood Tolerant	Forested wetlands, lowlands, floodplains	Wildlife: Songbirds and mammals Food: Buds, catkins
Box Elder	<i>Acer negundo</i>	Medium 40-70'	Very Fast	Deep, Lateral	Full Sun	Dry, Moist, Flood Tolerant	Forested wetlands, lowlands, floodplains	Wildlife: Songbirds and mammals Food: Seeds
Eastern Cottonwood	<i>Populus deltoides</i>	Medium-Large 80-100'	Fast	Shallow	Full Sun	Dry or Moist	Floodplains, streambanks, valleys	Wildlife: Ruffed grouse Food: Catkins
Eastern Hemlock	<i>Tsuga canadensis</i>	Medium-Large 80-100'	Moderate	Shallow Lateral	Full/Part Shade	Dry or Moist, Acidic	Cool, moist uplands, ravines, rock outcrops, streambanks	Wildlife: Black-capped chickadee, blue and green warblers, crossbill, hawks, juncos, pine siskin, ruffed grouse, veery, wild turkey; deer, chipmunk, cottontail, porcupine, squirrel, white-footed mouse Food: Twigs, foliage, seeds
Eastern White Pine	<i>Pinus strobus</i>	Large 70-120'	Moderate	Shallow	Full Sun	Dry or Moist, Well- Drained	Forested wetlands, bogs, ravines, cool shady north slopes	Wildlife: Brown creeper, chickadee, crossbill, grosbeak, junco, nuthatch, pine warbler, sparrows, spruce grouse, wild turkey, woodpeckers; beaver, chipmunk, deer, snowshoe hare, squirrel Food: Seeds, foliage, twigs; excellent winter food
Gray Birch (Wire Birch)	<i>Betula populifolia</i>	Small 20-35'	Fast	Shallow	Full/Part Shade or Full Sun	Dry or Moist	Pioneer Species; poorest of sterile soils, sandy or gravelly slopes	Wildlife: American goldfinch, blue jay, chickadee, northern junco, pine siskin, red-tailed hawk, ruffed grouse, sparrows, vireo, yellow-bellied sapsucker, woodpeckers; snowshoe hare Food: Seeds, buds

Common Name(s)	Latin Name	Height	Growth Rate	Rooting	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Trees (Continued)								
Green Ash	<i>Fraxinus pennsylvanica</i>	Medium-Large 60-80'	Fast	Shallow	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Forested wetlands, floodplains, streambanks; never on dry soils	Wildlife: Cardinal, finches, evening grosbeak, mourning dove, red-winged blackbird, wood duck; beaver, chipmunk, deer, porcupine, squirrel Food: Seeds, foliage
Northern White Cedar (Arborvitae)	<i>Thuja occidentalis</i>	Medium 30-60'	Slow to Moderate	Shallow	Full Sun	Moist, Flood Tolerant	Bogs, wetlands, rich woods	Wildlife: Songbirds; small mammals, deer Food: Seeds, needles
Quaking/Trembling Aspen (Poplar)	<i>Populus tremuloides</i>	Small-Medium 30-60'	Fast	Shallow	Full Sun	Dry or Moist	Pioneer Species; dry open woods, sandy or gravelly slopes	Wildlife: Ruffed grouse; beaver, deer, porcupine, snowshoe hare Food: Buds, catkins, bark, twigs, and foliage
Red Maple	<i>Acer rubrum</i>	Medium 40-75'	Moderate to Fast	Very Shallow	Full Sun	Dry, Moist, Flood Tolerant	Forested wetlands, streambanks, lakeshores, rich woods,	Wildlife: Cardinal, chickadee, evening and pine grosbeaks, finches, robin, yellow-bellied sapsucker; beaver, chipmunk, deer; opossum, squirrel, snowshoe hare Food: Seeds, buds, bark, twigs, sap
Red Oak	<i>Quercus rubra</i>	Medium 60-90'	Moderate	Deep Lateral	Full/Part Shade or Full Sun	Dry or Moist	Bottomlands, moist slopes,	Wildlife: Blue jay, brown thrasher, ducks, hawks, quail, nuthatch, ruffed grouse, towhee, wild turkey, woodpecker; bear, chipmunk, deer, gopher, opossum, raccoon, squirrel Food: Acorns
Shagbark Hickory	<i>Carya ovata</i>	Large 70-100'	Fast	Deep Taproot	Full/Part Shade	Dry or Moist	Rich woods, valleys, upland slopes	Wildlife: Cardinal, field sparrows, pine warbler, rose-breasted grosbeak, rufous-sided towhee, white-breasted nuthatch, wild turkey, wood duck, yellow-rumped warbler; chipmunks, squirrels Food: Nuts
Silver Maple	<i>Acer sacharinum</i>	Medium 60-80'	Moderate	Shallow	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Forested wetlands, riverbanks, floodplains, streambanks	Wildlife: Cardinal, goldfinch, evening and pine grosbeaks, northern oriole Food: Seeds, buds
Striped Maple (Moosewood/ Moose Maple)	<i>Acer pennsylvanicum</i>	Small/Shrubby 20-30'	Moderate	Shallow	Full/Part-Shade	Moist	Rich woods, cool moist sites	Wildlife: Ruffed grouse; beaver, deer, moose, porcupine, rabbit Food: Buds, bark, samaras
Sugar Maple	<i>Acer saccharum</i>	Medium-Large 60-100'	Slow	Shallow	Full/Part Shade or Full Sun	Moist	Valleys and uplands; tolerates almost all soil types	Wildlife: Cardinal, goldfinch, grosbeak, ring- necked pheasant, robin, ruffed grouse, vireo; beaver, chipmunk, porcupine; Browse for deer, rabbit, snowshoe hare Food: Seeds, twigs, bark

Common Name(s)	Latin Name	Height	Growth Rate	Rooting	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Trees (Continued)								
Swamp White Oak	<i>Quercus bicolor</i>	Medium 60-70'	Fast	No Information Available	Full/Part Shade	Moist	Forested wetlands, floodplains, streambanks	Wildlife: Barred owl, blue jay, cardinal, brown thrasher, grouse, mallards, nuthatch, quail, red-bellied woodpecker, red-tailed hawk, ruffed grouse, starling, towhee, wild turkey, yellow-throated wabler, wren; beaver, chipmunk, cottontail, deer, gopher, opossum, raccoon, squirrel, white-footed mouse, wild turkey Food: Acorns
Sweet Gum	<i>Liquidambar styraciflua</i>	Medium-Large 60-100'	Moderate	No Information Available	Full Sun	Moist	Valleys, Lower slopes, mixed woodlands	Wildlife: Mourning dove, finches, junco, wren; beaver, chipmunk, squirrel Food: Seeds
Sycamore (Planetree/Buttonwood)	<i>Platanus occidentalis</i>	Large 80-100'	Slow	No Information Available	Full/Part Shade or Full-Sun	Dry or Moist	Floodplains, lakeshores, streambanks	Wildlife: Finches; chipmunk, squirrel Food: Seeds
Tamarack (American/Eastern Larch)	<i>Larix laricina</i>	Small-Medium 40-80'	Variable	Moderate	Full Sun	Moist, Flood Tolerant	Bogs, swamps, wet peaty soils, drier upland loamy soils	Wildlife: Blue jay, kinglets, pheasant, red crossbill, robin, ruffed grouse, spruce grouse, yellow-bellied sapsucker; chipmunk, deer, porcupine, red squirrel, snowshoe hare Food: Needles, twigs, inner bark, seeds
White Ash	<i>Fraxinus americana</i>	Medium-Large 70-100'	Moderate	Shallow	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Rich woods, valleys, slopes, forested wetlands, floodplains, streambanks	Wildlife: Finches, grosbeaks, red-winged blackbird, wood duck; deer, squirrel Food: Seeds, foliage
White Birch (Paper Birch)	<i>Betula papyrifera</i>	Medium 50-75'	Fast	Shallow	Full Sun	Dry or Moist	Forested wetlands, rich woods	Wildlife: Grouse, siskins Food: Seeds, buds
White Oak	<i>Quercus alba</i>	Medium-Large 50-90'	Moderate	Deep	Full/Part Shade or Full Sun	Deep, rich, well-drained	Streambanks, lakeshores, gentle slopes; adapts to almost any condition	Wildlife: Blue jay, brown thrasher, nuthatch, quail, ruffed grouse, towhee, wild turkey, wood duck, woodpecker; chipmunk, bear, deer, gopher, opossum, raccoon, squirrel Food: Acorns
White Spruce	<i>Picea glauca</i>	Medium 40-70'	Moderate	Shallow	Full/Part Shade or Full Sun	Dry or Moist	Streambanks, lakeshores, rich woods, adjacent slopes	Wildlife: Fishers, martens, snowshoe hare, voles Food: Seeds
Yellow Birch (Sweet Birch)	<i>Betula alleghaniensis</i>	Medium-Large 70-100'	Slow	Shallow/Moderate	Full/Part Shade	Dry or Moist	Forested wetlands, floodplains, ravines, cool, rich woods of high elevations	Wildlife: Black-capped chickadee, common redpoll, goldfinch, pine siskins, red-shouldered hawk, ring-necked pheasant, ruffed grouse, wild turkey, wood duck, yellow-bellied sapsucker; beaver, chipmunk, deer, porcupine, squirrel, snowshow hare Food: Catkins, buds, bark, twigs, foliage, seeds

Common Name(s)	Latin Name	Height	Growth Rate	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Shrubs							
American Hazelnut	<i>Corylus americana</i>	Medium 5-10'	Moderate	Full/Part Shade or Full Sun	Moist	Borders of woods, hillsides, thickets	Wildlife: Blue jay, brown thrasher, cedar waxwing, hairy woodpecker, ring-necked pheasant, ruffed grouse; chipmunk, deer, rabbit, squirrel Food: Nuts, berries, foliage
Beaked Hazelnut	<i>Corylus cornuta</i>	Small 6-10'	Moderate	Full/Part Shade or Full Sun	Dry	Dry places	Wildlife: Birds, mammals Food: Beaked nuts
Black Chokeberry	<i>Aronia meloncarpa</i>	Medium Up to 10'	Moderate	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands	Wildlife: Cedar waxwing, chickadees, ruffed grouse, sharp-tailed grouse; deer, rabbit, squirrel Food: Berries, buds
Buttonbush	<i>Cephalanthus occidentalis</i>	Medium 6-12'	Moderate	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Streambanks, lakeshores, ponds, shrub and forested wetlands	Wildlife: Ducks, rails, ruby-throated hummingbird; beaver, deer, muskrat, butterflies, honeybees and other insects Food: Fruit, twigs, leaves, seeds, nectar
Chokecherry	<i>Prunus virginiana</i>	Small 3-6'	Moderate	Full/Part Shade or Full Sun	Dry or Moist	With Aspen; dry soils	Wildlife: Bluebird, brown thrasher, catbird, crow, eastern kingbird, evening grosbeak, orioles, pileated woodpecker, ring-necked pheasant, robin, rose grosbeak, ruffed grouse, thrushes, yellow-bellied sapsucker; rabbit, squirrel Food: Berries, buds, foliage
Elderberry	<i>Sambucus canadensis</i>	Small-Medium 3-12'	Moderate	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Rich woods, shrub and forested wetlands, marshes	Wildlife: Bluebirds, blue jay, brown thrasher, cardinal, catbird, grosbeak, indigo bunting, pileated woodpecker, ringed-neck pheasant, robin, rose-breasted grosbeak, ruffed grouse, thrushes, wild turkey, woodpecker; chipmunk, deer, rabbit, squirrel Food: Berries, nectar, twigs, bugs
Gray Dogwood (Red-Panicle Dogwood)	<i>Cornus racemosa</i>	Medium 10-15'	Moderate	Full/Part Shade or Full Sun	Dry or Moist	Roadsides, thickets, wetlands	Wildlife: Blue jay, cardinal, catbird, cedar waxwing, eastern kingbird, finch, flycatcher, grosbeak, hairy woodpecker, northern flicker, phoebe, pileated woodpecker, pine grosbeak, pine warbler, red-bellied woodpecker, ring-necked pheasant, robin, ruffed grouse, starling, swamp sparrow, tufted titmouse, veery, vireo, wild turkey, wood duck, wood thrush, woodcock, yellow-bellied sapsucker; chipmunk, deer, red fox, rabbit, squirrel Food: Berries, twigs
Highbush Blueberry	<i>Vaccinium corymbosum</i>	Medium 5-15'	Slow	Full/Part Shade or Full Sun	Dry, Moist, Flood Tolerant	Shrub and forested wetlands, rich woods	Wildlife: Baltimore oriole, bluebird, blue jay, cardinal, chickadee, gray catbird, kingbird, orioles, phoebe, red-bellied woodpecker, ring-necked pheasant, robin, ruffed grouse, rufous-sided towhee, scarlet tanager, tufted titmouse, veery, wild turkey, woodpeckers, wood thrush; black bear, chipmunk, deer, muskrat, rabbit, squirrel, white-footed mouse Food: Berries, foliage, twigs, buds
Hobblebush	<i>Viburnum alnifolium</i>	Medium Up to 10'	Moderate	Full/Part Shade	Moist, Flood Tolerant	Cool, moist ravines, shady lakeshores	Wildlife: Brown thrasher, cardinal, cedar waxwing, evening grosbeak, robin Food: Fruit

Common Name(s)	Latin Name	Height	Growth Rate	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Shrubs (Continued)							
Juniper	<i>Juniperus communis</i>	Small 1-4'	Slow	Full Sun	Dry	Dry open land	Wildlife: Cedar waxwing, finches, grosbeaks, grouse, pheasant, robin; deer, rabbit, moose Food: Twigs, foliage, fruit
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	1-2'	Slow	Full/Part Shade or Full Sun	Dry or Moist	Bogs, dry sandy flats, rocky slopes	Wildlife: Blue jay, grouse, kingbird, oriole, robin, tanagers, woodpeckers; squirrel Food: Berries, foliage, twigs
Maleberry	<i>Lyonia ligustris</i>	Up to 10'	Moderate	Full/Part Shade or Full Sun	Moist	Shrub and forested wetlands, rich woods, gentle slopes	Wildlife: Songbirds and mammals Food: Fruit
Mapleleaf Viburnum	<i>Viburnum acerifolium</i>	Small 3-6'	Moderate	Full/Part Shade or Full Sun	Moist	Rich woods	Wildlife: Songbirds and mammals Food: Fruit
Mountain Laurel	<i>Kalmia latifolia</i>	Up to 20'	Moderate	Full/Part Shade or Full Sun	Dry or Moist	Mixed uplands, acid soils	Wildlife: Ruffed grouse; deer Food: Foliage, buds, twigs, nectar
Nannyberry	<i>Viburnum lentago</i>	Medium-Large 10-25'	Moderate	Fall/Part Shade or Full Sun	Dry or Moist	Rich woods	Wildlife: Songbirds, mammals Food: Berries
Northern Arrowwood	<i>Viburnum recognitum</i>	Medium 10-15'	Moderate	Fall/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, lakeshores, streambanks	Wildlife: Ruffed grouse, songbirds; bear, chipmunks, raccoon, squirrel, skunk, white-footed mouse Food: Berries
Northern Wild Raisin (Witherod Viburnum)	<i>Viburnum nudum var. cassinoides</i>	Medium 6-10'	Moderate	Full/Part Shade	Moist, Flood Tolerant	Shrub and forested wetlands, valleys, slopes, streambanks	Wildlife: Brown thrasher, cedar waxwing, flycatcher, ruffed grouse, veery, woodcock, yellow-warbler; chipmunk, deer, muskrat, squirrel, snowshoe hare Food: Bark, twigs, buds
Pussy Willow	<i>Salix discolor</i>	Medium-Large Up to 15'	Fast	Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, streambanks, lakeshores	Wildlife: American goldfinch, ruffed grouse; beaver, hare, rabbits, squirrel Food: Buds, catkins, twigs, bark
Raspberry	<i>Rubus idaeus</i>	Small Up to 6'	Fast	Full/Part Shade or Full Sun	Dry or Moist	Thickets, edges of woods	Wildlife: Songbirds and mammals Food: Fruits
Red Osier Dogwood	<i>Cornus stolonifera</i>	Small-Medium 4-8'	Fast	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Rich woods, streambanks, lakeshores	Wildlife: Bluebird, brown thrasher, cardinal, catbird, cedar waxwing, downy woodpecker, eastern kingbird, finches, northern flicker, pine warbler, purple finch, ringed-neck pheasant, ruffed grouse, vireo, wild turkey, woodpeckers, wood duck; chipmunk, deer, rabbit, squirrel Food: Berries, twigs
Rhodora	<i>Rhododendron canadense</i>	Small 3-4'	Slow	Full Sun	Moist, Flood Tolerant	Bogs, slopes, rocky summits	Wildlife: Songbirds and mammals Food: Leaves

Common Name(s)	Latin Name	Height	Growth Rate	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Shrubs (Continued)							
Shadbush (Serviceberry/Juneberry)	<i>Amelanchier spp.</i>	Large 15-25'	Slow	Full/Part Shade or Full Sun	Dry, Moist, Flood Tolerant	Shrub and forested wetlands, floodplains, streambanks, rich woods	Wildlife: Bluebird, brown thrasher, cardinal, catbird, cedar waxwing, gray catbird, junco, orioles, red squirrel, robin, ruffed grouse, scarlet tanager, thrushes, veery, woodpeckers; beaver, deer, red squirrel, skunk Food: Berries, twigs
Silky Dogwood	<i>Cornus amomum</i>	Medium 6-10'	Fast	Full/Part Shade or Full Sun	Dry, Moist, Flood Tolerant	Shrub and forested wetlands, streambanks	Wildlife: Baltimore oriole, black-capped chickadee, blue jay, brown thrasher, cardinal, catbird, cedar waxwing, downy woodpecker, eastern kingbird, flycatcher, mockingbird, northern flicker, pine warbler, purple finch, red-bellied woodpecker, ringed- neck pheasant, robin, rose-breasted grosbeak, ruffed grouse, song sparrow, starlings, tufted-titmouse, wild turkey, wood duck, wood thrush, veery; chipmunk, deer, rabbit, raccoon, skunk, squirrel, white-footed mouse Food: Berries, buds, twigs
Speckled Alder	<i>Alnus rugosa</i>	Large 15-25'	Fast	Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, streambanks, lakeshores	Wildlife: Alder flycatcher, catbird, goldfinch, mallards, pheasant, pine siskin, red-winged blackbird, ruffed grouse, swamp sparrow, yellow-bellied flycatcher, woodcock; bear, beaver, deer, cottontail, moose, muskrat, snowshoe hare Food: Buds, twigs, bark, leaves
Spicebush	<i>Lindera benzoin</i>	Small-Large 6-17'	Moderate	Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, rich woods	Wildlife: Catbird, kingbird, pheasant, quail, robin, ruffed grouse, veery, vireo, wood thrush; swallowtail butterflies; deer, muskrat Food: Fruit, buds, twigs, leaves
Swamp Azalea	<i>Rhododendron viscosum</i>	Up to 5'	Moderate	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, rich woods	Wildlife: Hummingbird; butterflies and other insects; deer Food: Leaves, nectar
Swamp Blackberry	<i>Rubus hispidus</i>	Small Up to 6'	Slow	Full/Part Shade	Dry or Moist	Shrub and forested wetlands, rich woods	Wildlife: Blue jay, brown thrasher, cardinal, cedar waxwing, grackle, gray catbird, grosbeak, mockingbird, oriole tanager, ring- necked pheasant, robin, ruffed grouse, rufous-sided thrushes, towhee, veery, wild turkey, woodcock, woodpeckers, wood thrush; chipmunk, cottontail, deer, raccoon, skunk, squirrel Food: Fruit, canes
Sweet Gale	<i>Myrica gale</i>	Small 1-4'	Slow	Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, lakeshores, streambanks	Wildlife: Black-capped chickadee, catbird, common yellowthroat, phoebe, pied-billed grebe, ruffed grouse, tree swallow, tufted titmouse, wild turkey; deer, muskrat Food: Buds, leaves
Sweet Pepperbush	<i>Clethra alnifolia</i>	Medium 3-10'	Moderate	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, lakeshores, streambanks	Wildlife: Butterflies and other insects Food: Fruit, seeds, nectar
Winterberry Holly (Black Alder)	<i>Ilex verticillata</i>	Medium 6-10'	Slow	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, lakeshores, streamabanks	Wildlife: Cardinal, catbird, cedar waxwing, chickadees, finches, flickers, ruffed grouse, thrushes, vireo, woodpeckers; bear, cottontail, deer, moose, skunk, white-footed mouse Food: Berries, twigs, leaves

Common Name(s)	Latin Name	Height	Growth Rate	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Shrubs (Continued)							
Witch Hazel	<i>Hammamelis virginiana</i>	Large 20-30'	Slow	Full/Part Shade or Full Sun	Moist	Dry or rich woods	Wildlife: Cardinal, ring-necked pheasant, ruffed grouse, wild turkey; deer, squirrels Food: Seeds, buds, twigs, bark
Common Name(s)	Latin Name	Height		Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Groundcover/Herbaceous Perennials							
Boneset	<i>Eupatorium perfoliatum</i>	4-6'		Full Sun	Dry or Moist	Wet meadows, marshes, pond edges	Wildlife: Mallards, ruffed grouse, swamp sparrow, wild turkey; butterflies and other insects Food: Nectar
Blue Flag Iris	<i>Iris versicolor</i>	2-3'		Full Sun	Moist, Flood Tolerant	Marshes, lakeshores, streambanks	Wildlife: Blue-winged teal, ruby-throated hummingbird, wood duck; butterflies and other insects; muskrat Food: Nectar, shoots
Bunchberry	<i>Cornus canadensis</i>	3-8"		Full/Part Shade	Moist	Cool, moist woods	Wildlife: Sharp-tailed grouse, spruce-grouse; moose Food: Fruit, buds
Cardinal Flower	<i>Lobelia cardinalis</i>	2-4'		Full Sun	Moist, Flood Tolerant	Damp sites, streambanks	Wildlife: Ruby-throated hummingbirds; butterflies and other insects; bear, deer Food: Nectar
Cattail (Broad-Leaf)	<i>Typha latifolia</i>	Up to 10'		Full Sun	Moist, Flood Tolerant	Marshes, lakeshores, streambanks	Wildlife: Blue-winged teal, black-crowned night heron, red-winged blackbird, king rail, least and American bittern, mallards, marsh wren, swamp sparrow, Virginia rail; chipmunk, deer, muskrat Food: Seed heads
Christmas Fern	<i>Polystichium acrostichoides</i>	Up to 1'		Full/Part Shade	Moist	Rich woods	Wildlife: Ruffed grouse; box turtle, chipmunk, rabbit Food: Fronds, filldeheads
Cinnamon Fern	<i>Osmunda cinnamomea</i>	Up to 3'		Full/Part Shade	Moist, Flood Tolerant	Shrub and forested wetlands	Wildlife: Brown thrasher, ruby-throated hummingbird, ruffed grouse, yellow throat; chipmunk, deer, white-footed mouse, vole Food: Fronds, filldeheads
Foamflower	<i>Tiarella cordifolia</i>	Up to 1'		Full/Part Shade	Moist	Rich woods	Wildlife: Songbirds and mammals Food: Leaves
Goldenrod (Rough or Grass-Leaved)	<i>Solidago spp.</i>	1-5'		Full Sun	Dry or Moist	Wet meadows, marshes, damp swales	Wildlife: Goldfinch, junco, ruffed grouse, swamp sparrow; butterflies and other insects; cottontail, meadow mice Food: Seeds, nectar

Common Name(s)	Latin Name	Height	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Groundcover/Herbaceous Perennials (Continued)						
Hay-Scented Fern	<i>Dennstaedtia punctilobula</i>	Up to 2'	Full/Part Shade or Full Sun	Moist	Woodlands, hillside pastures	Wildlife: Mammals Food: Fronds, fiddleheads
Interrupted Fern	<i>Osmunda punctilobula</i>	3-4'	Full/Part Shade	Moist	Woodland edges, stony dry soil	Wildlife: Mammals Food: Fronds, fiddleheads
Jewelweed (Spotted-Touch-Me-Not)	<i>Impatiens capensis</i>	2-5'	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands, streambanks	Wildlife: Ring-necked pheasant, ruffed grouse, ruby-throated hummingbird, veery; butterflies and other insects; white-footed mouse Food: Nectar, seeds
Joe Pye Weed	<i>Eupatorium purpureum</i>	2-6'	Full Sun	Moist, Flood Tolerant	Wet meadows, marshes, shores	Wildlife: Ruby-throated hummingbird, swamp sparrow; butterflies and other insects; cottontail, muskrat, raccoon Food: Nectar
New England Aster	<i>Aster novae-angliae</i>	Up to 5'	Full Sun	Dry or Moist	Wet meadows, wetlands	Wildlife: Songbirds; butterflies and other insects Food: Nectar, seeds
Ostrich Fern	<i>Pteris pensylvanica</i>	Up to 6'	Full/Part Shade		Shrub and forested wetlands	Wildlife: Mammals Food: Fronds, fiddleheads
Partridgeberry	<i>Mitchella repens</i>	Up to 1'	Full/Part Shade	Dry or Moist	Rich woods	Wildlife: Grouse, mammals Food: Berries
Rattlesnake Manna Grass	<i>Glyceria canadensis</i>	Up to 3'	Full Sun	Moist	Marshes, bogs, forested wetlands, lakeshores	Wildlife: Songbirds and mammals Food: Seeds
Rice Cutgrass	<i>Leersia oryzoides</i>	Up to 5'	Full Sun	Moist, Flood Tolerant	Primarily fresh marshes	Wildlife: Deer, muskrat, moose Food: Seeds, foliage
Riverbank Grape (Vine)	<i>Vitis riparia</i>	Up to 25'	Full/Part Shade or Full Sun	Moist	Streambanks	Wildlife: Pileated woodpecker, ruffed grouse, wild turkey, wood duck; various mammals Food: Fruit
Royal Fern	<i>Osmunda regalis</i>	Up to 5'	Full/Part Shade or Full Sun	Moist, Flood Tolerant	Shrub and forested wetlands	Wildlife: Mammals Food: Fronds, fiddleheads
Sensitive Fern	<i>Onoclea sensibilis</i>	Up to 3'	Full/Part Shade	Moist, Flood Tolerant	Shrub and forested wetlands	Wildlife: Black-capped chickadee, ruffed grouse; bear, deer Food: Buds, foliage
Sheep Laurel	<i>Kalmia angustifolia</i>	Up to 4'	Fall/Part Shade or Full Sun	Dry, Moist, Flood Tolerant	Shrub and forest wetlands, fields/pastures	Poisonous to livestock.
Swamp Milkweed	<i>Asclepias incarnata</i>	Up to 2'	Fall/Part Shade	Moist	Wet meadows, wetlands, thickets, shores	Wildlife: Black duck, mallards, red-winged blackbird, ruby-throated hummingbird; Monarch butterfly, other butterflies and insects; muskrat Food: Nectar, seeds

Common Name(s)	Latin Name	Height	Light Preference	Soil Preference	Habitat	Associated Birds & Mammals (Cover, Nesting or Food) & Food Value
Groundcover/Herbaceous Perennials (Continued)						
Sweet Fern	<i>Comptonia perigrina</i>	1-3'	Full/Part Shade or Full Sun	Dry	Open, dry sandy soils and pastures	Wildlife: Flickers, sharp-tailed grouse; deer, moose Food: Fruit
Tall Meadow Rue	<i>Thalictrum polygamum</i>	2-8'	Full/Part Shade	Moist	Wetlands, wet meadows, streambanks	Wildlife: Bees, butterflies Food: Nectar
Tussock Sedge	<i>Carex stricta</i>	Up to 4"	Full Sun	Moist, Flood Tolerant	Marshes, rich woods	Wildlife: Finches, ruffed grouse, snipe, sparrows; deer Food: Seeds, foliage
Twinflower	<i>Linnaea borealis</i>	Up to 6"	Full/Part Shade	Moist	Rich woods	Wildlife: Mammals Food: Foliage
Virginia Creeper (Vine)	<i>Parthenocissus quinquefolia</i>	Up to 25'	Full/Part Shade or Full Sun	Dry or Moist	Woods, rocky banks	Wildlife: Bluebird, great-crested flycatcher, red-eyes vireo, pileated woodpecker Food: Berries
Whorled Loosestrife	<i>Lysimachia quadrifolia</i>	Up to 4'	Full/Part Shade or Full Sun	Dry or Moist	Dry or moist open woods, thickets	Wildlife: Mammals Food: Foliage
Wild Sarsaparilla	<i>Aralia nudicanlis</i>	8-15"	Full/Part Shade	Dry or Moist	Upland woods	Wildlife: Mammals Food: Foliage, seeds, berries
Wintergreen (Teaberry/Checkerberry)	<i>Gaultheria procumbens</i>	Up to 4"	Full Sun	Dry	Oak woods, sandy soils	Wildlife: Partridge, ruffed grouse, songbirds; chipmunk, deer, moose Food: Fruit, foliage

References

- Baldwin, Henry Ives. "Forest Leaves: How to Identify Trees and Shrubs of Northern New England", Peter E. Randall Publisher, 1993
- Connecticut River Joint Commission, "Riparian Buffers for the Connecticut River Watershed", 2000 <http://www.crlc.org/pdffiles/Plant%20lists.pdf>
- Harlow, William M., "Trees of the Eastern and Central United States and Canada", Dover Publications, 1942
- New Hampshire Department of Environmental Services, *The Critical Edge*, Appendix D, 1998
- New Hampshire Department of Resources and Economic Development, Division of Forests and Lands, State Forest Nursery, "Wildlife Conservation Species Descriptions", 2001
- Niering, William A. "National Audubon Society Nature Guides: Wetlands" Chanticleer Press, Inc., 1997
- Redington, Charles B. "Plants in Wetland: Field Guide to Biological Interactions", Kendall/Hunt Publishing Company, 1994
- Sutton, Ann and Myron. "National Audubon Society Nature Guides: Eastern Forests" Alfred A Knopf, Inc., 1997
- University of New Hampshire Cooperative Extension, "Trees and Shrubs in New Hampshire: A Guidebook for Natural Beauty Projects", Bulletin 163
- University of New Hampshire Cooperative Extension, "New Hampshire's Native Trees, Shrubs, and Vines with Wildlife Value"

Compiled by

Jen Drociak, New Hampshire Department of Environmental Services, Water Division, Watershed Management Bureau

March 2006