

Great Swamp National Wildlife Refuge
152 Pleasant Plains Road
Basking Ridge, NJ 07920
973/425 1222

Federal Relay Service
for the deaf and hard-of-hearing
1 800/877 8339

U.S. Fish & Wildlife Service
1 800/344 WILD
<http://www.fws.gov>

September 2003



U.S. Fish & Wildlife Service

Great Swamp

*National Wildlife
Refuge*

Wildflowers



Welcome

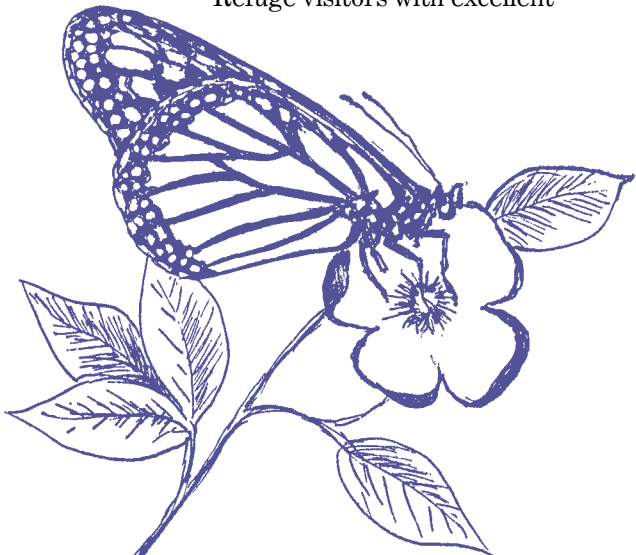


This goose, designed by J.N. "Ding" Darling, has become the symbol of the National Wildlife Refuge System.

Containing nearly 8,000 acres of marsh, hardwood swamp, upland timber, streams and ponds, brush, and grassland, Great Swamp National Wildlife Refuge is home to a great variety of plants and animals. Established in 1960, the Refuge lies 26 miles west of New York City's Times Square and is surrounded by suburban growth and development. As such, it provides an increasingly important haven for many kinds of wildlife.

Surveys of Great Swamp plant life have identified several hundred species. This is a partial list of the flowering plants in order of their seasonal blooms and by the color of their blossoms. Some varieties may flower through more than one season and in rare cases may bloom in various colors; such species are listed in each relevant category. Japanese honeysuckle, for example, blooms white in the spring and matures to yellow in summer:

The Refuge manages habitat and maintains blinds, an overlook area and over 9 miles of trails to provide Refuge visitors with excellent



May-apple

opportunities for wildlife observation and study. Visitors are welcome to observe, study, photograph, and walk with nature in designated public areas and are responsible for understanding and abiding by posted signs and regulations. Please inquire at Headquarters if you are uncertain or have any questions.

The following list was prepared in cooperation with Dr. Sara Webb, professor at Drew University, and Elaine Smith, longtime professional botanist. The reference used for both common and scientific names was *Manual of Vascular Plants of Northeastern United States and Canada*, second edition (Gleason and Cronquist, 1991). Additional references for common names were *Newcomb's Wildflower Guide* (Newcomb, 1977) and *A Field Guide to Wildflowers of Northeastern and North-central North America* (Peterson and McKenny, 1996).

*An asterisk indicates that this species is non-native. Some of these species, such as purple loosestrife, are considered invasive and pose a threat to native plant communities.

SPRING

March, April, May

White/Green

Anemone, rue.....	<i>Anemonella thalictroides</i>
Anemone, wood.....	<i>Anemone quinquefolia</i>
Bedstraw, Clayton's	<i>Galium tinctorium</i>
Bedstraw, marsh	<i>Galium palustre</i>
Blackberry, Alleghany	<i>Rubus allegheniensis</i>
Bloodroot.....	<i>Sanguinaria canadensis</i>
Blueberry, highbush.....	<i>Vaccinium corymbosum</i>
* Champion, white.....	<i>Lychnis alba</i>
* Chickweed.....	<i>Stellaria media</i>
* Clover, white.....	<i>Trifolium repens</i>
* Cuckooflower/meadow bittercress	<i>Cardamine pratensis</i>
* Daisy, oxeye.....	<i>Chrysanthemum leucanthemum</i>
Dogwood, flowering	<i>Cornus florida</i>
Fleabane, daisy/white-top	<i>Erigeron annuus</i>
Foamflower, heart-leaf	<i>Tiarella cordifolia</i>
* Garlic mustard.....	<i>Alliaria petiolata</i>
Ginseng, dwarf	<i>Panax trifolius</i>
Hellebore, false.....	<i>Veratrum viride</i>
* Honeysuckle, Japanese	<i>Lonicera japonica</i>
Jack-in-the-Pulpit, small/swamp.....	<i>Arisaema triphyllum</i>
Lily-of-the-valley.....	<i>Maianthemum canadense</i>
May-apple	<i>Podophyllum peltatum</i>
Pussytoes.....	<i>Antennaria neodioica</i>
Saxifrage, swamp	<i>Saxifraga pensylvanica</i>
Shadbush	<i>Amelanchier canadensis</i>
Solomon's seal, false.....	<i>Smilacina racemosa</i>
Spring beauty.....	<i>Claytonia virginica</i>
Starflower	<i>Trientalis borealis</i>
* Star-of-Bethlehem	<i>Ornithogalum umbellatum</i>
Strawberry.....	<i>Fragaria virginiana</i>
Trailing Arbutus.....	<i>Epigaea repens</i>
Trillium.....	<i>Trillium grandiflorum</i>
Viburnum.....	<i>Viburnum acerifolium</i>



Dwarf trillium
©Julien Beauregard

Violet, lance-leaved	<i>Viola lanceolata</i>
Violet, northern white... ..	<i>Viola pallens</i>
Violet, woolly blue.....	<i>Viola sororia</i>

Yellow/Orange

Bellwort, perfoliate	<i>Uvularia perfoliata</i>
Bladderwort, greater....	<i>Utricularia vulgaris</i>
* Buttercup, creeping	<i>Ranunculus repens</i>
Buttercup, swamp	<i>Ranunculus septentrionalis</i>
* Buttercup, tall	<i>Ranunculus acris</i>
* Celandine.....	<i>Chelidonium majus</i>
Cinquefoil, common.....	<i>Potentilla simplex</i>
* Cinquefoil, rough- fruited	<i>Potentilla recta</i>
* Coltsfoot	<i>Tussilago farfara</i>
Cynthia, two-flowered... ..	<i>Krigia biflora</i>
* Dandelion, common.....	<i>Taraxacum officinale</i>
Golden ragwort.....	<i>Senecio aureus</i>
* Iris, yellow	<i>Iris pseudacorus</i>
* King Devil, or Field Hawkweed	<i>Hieracium pratense</i>
Marsh marigold	<i>Caltha palustris</i>
Spatterdock	<i>Nuphar advena</i>
Trout lily	<i>Erythronium americanum</i>
Wild indigo	<i>Baptista tinctoria</i>
* Winter cress	<i>Barbarea vulgaris</i>
Wood sorrel, common yellow.....	<i>Oxalis stricta</i>

Pink/Red

Geranium	<i>Geranium maculatum</i>
Ginger.....	<i>Asarum canadense</i>
Lady's slipper, pink.....	<i>Cypripedium acaule</i>
Pink azalea.....	<i>Rhododendron periclymenoides</i>
Wood betony	<i>Pedicularis canadensis</i>

Purple/Blue

Bluebell	<i>Mertensia virginica</i>
Blue-eyed grass	<i>Sisyrinchium angustifolium</i>
* Ground ivy.....	<i>Glechoma hederacea</i>
Hepatica, round-lobed... ..	<i>Hepatica americana</i>
Iris, blue flag	<i>Iris versicolor</i>
Iris, slender blue flag	<i>Iris prismatica</i>
* Periwinkle, myrtle	<i>Vinca minor</i>
* Purple dead-nettle	<i>Lamium purpureum</i>
Skunk cabbage	<i>Symplocarpus foetidus</i>
Spiderwort	<i>Tradescantia virginiana</i>
* Vetch, cow/tufted.....	<i>Vicia cracca</i>
Violet, arrow-leaved	<i>Viola sagittata</i>
Violet, LeConte's.....	<i>Viola affinis</i>
Violet, marsh blue.....	<i>Viola cucullata</i>



Rattlesnake
root



Iris

SUMMER

June, July, Early August

White/Green

- Arrowhead, broad-leaved... *Sagittaria latifolia*
- Beardtongue..... *Penstemon digitalis*
- Bedstraw, fragrant..... *Galium triflorum*
- Bedstraw, rough..... *Galium asprellum*
- Bindweed, hedge..... *Calystegia sepium*
- Boneset..... *Eupatorium perfoliatum*
- Boneset, upland..... *Eupatorium sessilifolium*
- * Bouncing bet..... *Saponaria officinalis*
- Bugle-weed..... *Lycopus virginicus*
- Bur-reed..... *Sparganium americanum*
- Buttonbush..... *Cephalanthus occidentalis*
- * Clover, sweet white..... *Melilotus alba*
- Elderberry..... *Sambucus canadensis*
- False nettle..... *Boehmeria cylindrica*
- Fleabane, lesser daisy.... *Erigeron strigosus*
- Hemlock, water..... *Cicuta maculata*
- * Honeysuckle, Japanese... *Lonicera japonica*
- Honeysuckle, swamp..... *Rhododendron viscosum*
- Indian hemp..... *Apocynum cannabinum*
- Indian-pipe..... *Monotropa uniflora*
- Laurel, mountain..... *Kalmia latifolia*
- Lizard's-tail..... *Saururus cernuus*
- * Mallow, musk..... *Malva moschata*
- Mallow, swamp rose..... *Hibiscus palustris*
- Meadow-rue..... *Thalictrum polygamum*
- Meadowsweet..... *Spiraea latifolia*
- Mermaid-weed, common... *Proserpinaca palustris*
- Mountain-mint..... *Pycnanthemum virginianum*
- Mountain mint,
narrow-leaved..... *Pycnanthemum tenuifolium*

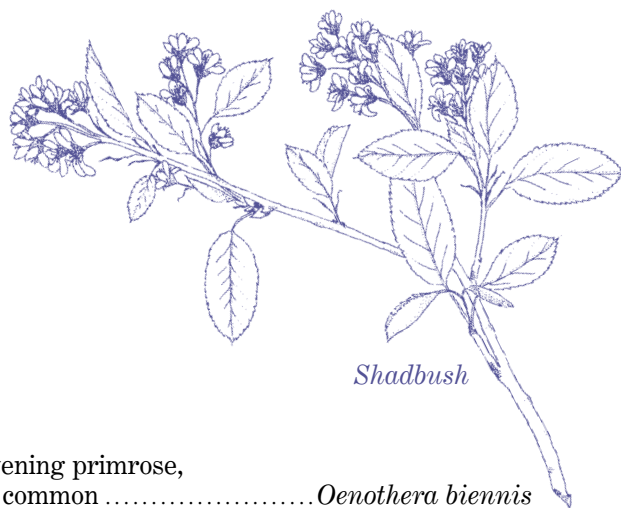
- * Multiflora rose..... *Rosa multiflora*
- Nightshade, black..... *Solanum nigrum*
- Orchid, fringed..... *Habenaria lacera*
- Pepperbush..... *Clethra alnifolia*
- * Plantain, English..... *Plantago lanceolata*
- Plantain, rattlesnake..... *Goodyera pubescens*
- Plantain, water..... *Alisma subcordatum*
- Pokeweed..... *Phytolacca americana*
- Purslane, common/
marsh..... *Ludwigia palustris*
- * Queen Anne's lace..... *Daucus carota*
- Rattlesnake-root..... *Prenanthes alba*
- Sarsaparilla, wild..... *Aralia nudicaulis*
- * Smartweed..... *Polygonum hydropiper*
- Solomon's seal..... *Polygonatum biflorum*
- Sweet Cicely..... *Oxymorhiza claytoni*
- Virginia creeper..... *Parthenocissus quinquefolia*
- Virgin's bower..... *Clematis virginiana*
- Water arum..... *Calla palustris*
- White vervain..... *Verbena urticifolia*
- Wintergreen, spotted..... *Chimaphila maculata*
- Yarrow, common..... *Achillea millefolium*



Honeysuckle

Yellow/Orange

- Agrimony..... *Agrimonia parviflora*
- Bartonia..... *Bartonia virginica*
- * Birdsfoot trefoil..... *Lotus corniculatus*
- Black-eyed Susan..... *Rudbeckia hirta*
- * Butter-and-eggs..... *Linaria vulgaris*
- Butterfly-weed..... *Asclepias tuberosa*
- * Clover, smaller hop..... *Trifolium procumbens*
- Cucumber-root, Indian.... *Medeola virginiana*



Shadbush

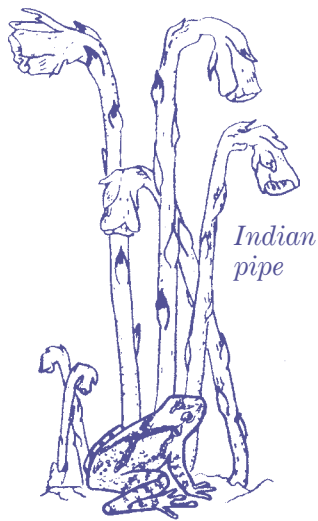
- Evening primrose,
common *Oenothera biennis*
False buckwheat, climbing *Polygonum scandens*
* Goat's-beard, showy *Tragopogon pratensis*
Golden Alexanders *Zizis aurea*
* Hawkweed, orange *Hieracium aurantiacum*
* Honeysuckle, Japanese *Lonicera japonica*
* Hop clover *Trifolium agrarium*
Jewelweed/Spotted
touch-me-not *Impatiens capensis*
Lily, Canada *Lilium canadense*
* Lily, day *Hemerocallis fulva*
Loosestrife, fringed *Lysimachia ciliata*
Loosestrife, whorled *Lysimachia quadrifolia*
* Moneywort *Lysimachia nummularia*
* Mullein, common *Verbascum thapsus*
* Mullein, moth *Verbascum blattaria*
* St. John's-wort, common *Hypericum perforatum*
St. John's-wort, dwarf *Hypericum mutilum*
* Scarlet pimpernel *Anagallis arvensis*
Seedbox *Ludwigia alternifolia*
Sneezeweed *Helenium autumnale*
* Sow thistle, spiny-leaved *Sonchus asper*
Stargrass *Hypoxis hirsuta*
Sundrops, southern *Oenothera fruticosa*
Sundrops, small *Oenothera perennis*
Swamp candles *Lysimachia terrestris*
* Sweet clover, yellow *Melittus officinalis*
* Tansy, common *Tanacetum vulgare*
Thistle, pasture *Cirsium pumilum*
* Thistle, sow *Sonchus oleraceus*
Touch-me-not, spotted *Impatiens capensis*
Turk's-cap lily *Lilium superbum*
Yellow-eyed grass *Xyris spp.*
Yellow loosestrife *Lysimachia hybrida*
Yellow wood sorrel *Oxalis stricta*

Pink/Red

- Azalea, flame *Rhododendron calendulaceum*
Basil, wild *Satureja vulgaris*
Bergamot, wild *Monarda fistulosa*
* Clover, alsike *Trifolium hybridum*
* Deptford pink *Dianthus armeria*
Dogbane, hemp *Apocynum cannabinum*
Dogbane, spreading *Apocynum androsaemifolium*
* Knapweed, spotted *Centaurea maculosa*
* Lady's thumb *Polygonum persicaria*
Mallow, swamp rose *Hibiscus palustris*
Meadowsweet *Spiraea alba*
Milkweed, common *Asclepias syriaca*
Milkweed, swamp *Asclepias incarnata*
Milkwort, field *Polygala sanguinea*
Partridgeberry *Mitchella repens*
* Pimpernel *Anagallis arvensis*
St. John's-wort, marsh *Triadenum virginicum*
Smartweed *Polygonum pennsylvanicum*
* Smartweed, long-bristle *Polygonum cespitosum*
Steeplebush *Spiraea tomentosa*
Swamp rose *Rosa palustris*
Tearthumb,
arrow-leaved *Polygonum sagittatum*
Tearthumb,
halberd-leaved *Polygonum arifolium*
* Teasel *Dipsacus sylvestris*
* Thistle, bull *Cirsium vulgare*
* Thistle, Canada *Cirsium arvense*
Thistle, field *Cirsium discolor*
Thistle, pasture *Cirsium pumilum*
Tick trefoil, Canadian *Desmodium canadense*
Tick trefoil, panicled *Desmodium paniculatum*
Wild onion *Allium cernuum*
Woundwort *Stachys palustris*



Black-eyed Susan



Purple/Blue

- * Burdock, common..... *Arctium minus*
- * Chicory..... *Cichorium intybus*
- * Clover, red..... *Trifolium pratense*
- Dayflower..... *Commelina virginica*
- * Dayflower, common/
Asiatic..... *Commelina communis*
- * Forget-me-not/water
scorpion-grass..... *Myosotis scorpioides*
- Horse nettle..... *Solanum carolinense*
- Hyssop, purple giant..... *Agastache scrophulariifolia*
- Indian tobacco..... *Lobelia inflata*
- * Knapweed, spotted..... *Centaurea maculosa*
- * Lobelia, spiked..... *Lobelia spicata*
- * Loosestrife, purple..... *Lythrum salicaria*
- Milkweed, purple..... *Asclepias purpurascens*
- Milkweed, swamp..... *Asclepias incarnata*
- * Mint, field..... *Mentha arvensis*
- Monkey flower..... *Mimulus ringens*
- * Nightshade, bittersweet..... *Solanum dulcamara*
- Phlox, summer..... *Phlox paniculata*
- Pickereelweed..... *Pontederia cordata*
- * Selfheal..... *Prunella vulgaris*
- Skullcap, hyssop..... *Scutellaria integrifolia*
- Skullcap, mad-dog..... *Scutellaria lateriflora*
- Skullcap, marsh..... *Scutellaria epilobiiifolia*
- Spearmint..... *Mentha spicata*
- Speedwell, marsh/
narrow-leaved..... *Veronica scutellata*
- Venus' looking glass..... *Specularia perfoliata*
- Vervain, blue..... *Verbena hastata*
- * Viper's bugloss..... *Echium vulgare*

AUTUMN

Late August,
September, October

Pickereelweed



White/Green

- Aster, calico..... *Aster lateriflorus*
- Aster, heath..... *Aster pilosus*
- Aster, small-flowered..... *Aster vimineus*
- Aster, tall flat-
topped white..... *Aster umbellatus*
- Aster, Tradescant's..... *Aster tradescanti*
- Aster, white wood..... *Aster divaricatus*
- Hempweed..... *Mikania scandens*
- Ladies' Tresses,
grass-leaved..... *Spiranthes vernalis*
- Silver-rod..... *Solidago bicolor*
- Turtlehead..... *Chelone glabra*
- Water-horehound..... *Lycopus americanus*
- White snakeroot..... *Eupatorium rugosum*

Yellow/Orange

- Beggar ticks..... *Bidens aristosa*
- Goldenrod, broad-leaved..... *Solidago flexicaulis*
- Goldenrod, Canada..... *Solidago canadensis*
- Goldenrod, early..... *Solidago juncea*
- Goldenrod, grass-leaved..... *Solidago graminifolia*
- Goldenrod, rough-leaved..... *Solidago patula*
- Goldenrod, rough-
stemmed..... *Solidago rugosa*
- Goldenrod, tall..... *Solidago altissima*
- Jerusalem artichoke..... *Helianthus tuberosus*
- Sunflower, giant..... *Helianthus giganteus*
- Witch hazel..... *Hamamelis virginiana*

Pink/Red

- Cardinal flower..... *Lobelia cardinalis*
- Gerardia, purple..... *Gerardia purpurea*
- Gerardia, white..... *Gerardia albiflora*
- Joe-pye weed, spotted..... *Eupatorium maculatum*
- Joe-pye weed,
three-nerved..... *Eupatorium dubium*

Purple/Blue

- Aster, bushy/long-stalked..... *Aster dumosus*
- Aster, New England..... *Aster novae-angliae*
- Aster, purple-stemmed..... *Aster puniceus*
- Aster, smooth..... *Aster laevis*
- Blazing star..... *Liatris spicata*
- Gentian, fringe-topped..... *Gentiana andrewsii*
- Ironweed, New York..... *Vernonia noveboracensis*