

**WATER QUALITY DIVISION**

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August 4, 2003

Dear Nurseries, Landscapers, Restorationists, Landowners, and Consultants:

Well it's finally here the long awaited revisions to the much loved *Sources of Native Plant Materials in Vermont* originally created by Cathy Kashanski of the Department of Environmental Conservation. As some of you know I started with the DEC Wetland's Program in December 2002 and was immediately given the task of updating the publication by adding new information about native plants, inserting the new quarantine rule and noxious weeds list, updating the native plant nurseries list and preparing an illustrated planting guide. In the future I see a description of planting conditions for native plants found in Vermont; a guide to designing your own native plant garden, or pond's edge; wetland restoration techniques; and plants that encourage wildlife. A lot of this information can be readily discovered on the internet so check the sources page at the back of this publication and begin your search.

During the revision to the nurseries list I questioned each individual nursery on what species that they knew of, were native genotypes and where their source materials originated. The list includes the name, address and phone number as well as a list of plants that the nursery carries and a footnote for nurseries that supplied specific source information. Currently Vermont lacks quality nurseries that can provide large volumes of wetland plants especially sedges, rushes and emergents. Part of the reason is the demand is just not there, however there are a small number of nurseries developing, with a goal of providing wetland plant species for restoration projects. Thankfully there are a few out-of-state nurseries that specialize in wetland plant production. In addition to in-state native plant nurseries I have provided an updated out-of-state nursery list. A few out-of-state nurseries were eliminated because most of their stock material came from states west of the Mississippi River, which does not have the same growing conditions as the Northeast.

Following the nursery lists are listings of trees, shrubs, ferns, vines and herbaceous species known to be commercially available in Vermont. An addition to this section is the general habitat category, in which the habitat(s) that the plant most commonly occurs in is abbreviated and noted in the legend. I think this will be especially helpful for landowners and consultants when designing a native plant garden or replacing lost species. If you don't see a specific species under this list ask your local nursery what type of habitat the plant grows in and if it meets the conditions at your site.

Next is a two page list of two classes of exotic plants that are invasive in Vermont along with the quarantine rule which was passed in 2002. In the past year the Vermont Invasive Exotic Plant Committee (VT IEPC) has produced detailed fact sheets on all of the species that are problems in natural communities and ecosystems in this state. A majority of the invasive exotic fact sheets can be found at [www.vtwaterquality.org](http://www.vtwaterquality.org) or by calling 802-241-3777.

This year we have put together a native plant planting guide and cross section for a variety of habitats with the help of illustrator Susan Warren and Eric Sorenson of the Non-Game and Natural Heritage Program who helped create the planting list and general habitat types.

My hope is that everyone can use this guide as a starting point for determining what can and can not grow in certain habitats found in Vermont.

At the end of the document is a list of information sources. Please feel free to call me for information on how to obtain these publications or to let me know about other good references. I have included a number of stellar websites as well as a few restoration nurseries that can provide basic plant restoration information, but are currently unavailable to privately sell their stock.

Last but not least we encourage you to ask the grower or nursery owner three questions in order to ensure you are getting a native species best adapted to the local environmental conditions:

- 1) Is the species truly native versus being a cultivar (horticultural variety) or a naturalized species?
- 2) Are the plants propagated from stock of Vermont origin versus brought in from another region?
- 3) Are the plants being propagated by the nurseries versus being collected from natural communities?

As a word of caution, we do not recommend transplanting native plants from the wild. In fact, this is illegal on state lands without a permit, and landowner permission must be obtained for private land. In addition, transplanting any state listed (endangered or threatened) plant is a criminal violation with violators subject to a fine. This prohibition also applies to seed collection. Most of our endangered and threatened plants require very precise habitat conditions and will not likely survive any attempt to move or propagate them artificially. Although some plants on the Vermont Endangered Species List are available from commercial nurseries, these have been legally propagated, generally from a source outside of Vermont where they are more common. For this reason we urge gardeners to restrict planting of any rare or endangered plant to a garden type setting where it is unlikely to escape into the wild.

Native plants are hardy, beautiful members of our community and if planted with care will serve you well in your landscaping or restoration projects. In the future I look forward to adding a plethora of information that will educate users of this publication. Until the next revision enjoy the added information and Happy Planting!!

Sincerely,

Erin K. Haney  
District Wetlands Ecologist

## Vermont Nurseries that carry Native Species

| Nursery  | Native Plant Species Available   |
|--|--|
| Acorn Ridge Nursery<br>Wholesale Growers<br>59 Pearl Street<br>Grand Isle, VT 05458<br>802-372-3811  | Roseshell azalea, bog rosemary,<br>winterberry, witch hazel, Pagoda dogwood,<br>sheep laurel, sweet fern, bearberry, and<br>wintergreen. <span style="float: right;">2003</span>   |
| Addison Gardens<br>Wholesale Perennials<br>1530 Hopkins Road<br>Panton, VT 05491<br>802-759-2529<br><a href="mailto:info@addisongardens.com">info@addisongardens.com</a> | Columbine, spikenard, false solomon's<br>seal, ginger, blue vervain, Canada violet,<br>maidenhair fern, evergreen wood fern,<br>Christmas fern, Goldie's wood fern,<br>Braun's holly fern. <span style="float: right;">2001</span>   |
| Cady's Falls Nursery<br>Don & Lela Avery<br>637 Duhamel Road<br>Morrisville, VT 05661<br>802-888-5559<br>Retail Nursery  | Water, arum, pickerelweed, pitcher plants,<br>Braun's holly fern, ebony spleenwort,<br>maidenhair spleenwort, maidenhair fern,<br>rusty woodsia, cinnamon fern, Goldie's<br>wood fern, bellwort, red trillium, white<br>trillium, wild Columbine, bunchberry,<br>foamflower, creeping snowberry,<br>crowberry, blue-flag iris, ginseng, trailing<br>arbutus, baneberry, sweet fern, bog laurel,<br>rhodora, mountain ash, red oak, sugar<br>maple, white pine. <span style="float: right;">2003</span> |
| Carver Family Tree Farm<br>HCR 32, Box 570<br>County Road<br>Montpelier, VT 05602<br>802-223-0160  | Balsam fir, white spruce, white pine. <span style="float: right;">2003</span>  |

## Vermont Nurseries that carry Native Species

| Nursery   | Native Plant Species Available   |
|---|--|
| <p>Cobble Creek Nursery<br/>Wholesale Growers<br/>991 Tyler Bridge Road<br/>Bristol, VT 05443<br/>802-453-3889</p> <p>*native genotypes</p>   | <p>American sycamore*, yellow birch*, swamp azalea, Paper birch, American hornbeam, shadbush, arrow-wood, nannyberry, withered, highbush cranberry*, winterberry*, gray dogwood, red-osier dogwood*, witch hazel, dwarf bush honeysuckle, roselshell azalea, elderberry, sweetfern, Virginia creeper, American bittersweet, bearberry, snowberry, highbush blueberry, Black chokeberry, buttonbush, mountain holly.</p> <p style="text-align: right;">2003</p> |
| <p>Drinkwater's Nursery/Landscaping<br/>ATTN: Gary L. Drinkwater<br/>1987 Goss Hollow Road<br/>St. Johnsbury, VT 05819<br/>802-748-3317 early am or eve.<br/>* stock is collected from VT, seedlings from Western Maine</p> | <p>Red maple, white birch, gray birch, larch, hemlock, white pine, white spruce, cedar, balsam fir, sugar maple, poplar, and white ash.</p> <p style="text-align: right;">2003</p>   |
| <p>Elmore Roots Nursery<br/>David L. Fried<br/>P.O. Box 171<br/>Elmore, VT 05657<br/>802-888-3305 or 1-800-42PLANT<br/><a href="http://www.elmoreroots.com">www.elmoreroots.com</a></p>                                     | <p>American beech, white ash, red maple, sugar maple, larch, white cedar, witch hazel, shadbush, red-osier dogwood, pagoda dogwood, arrow-wood, highbush cranberry, nannyberry, black chokeberry, Virginia creeper, partridgeberry, and bunchberry among others.</p> <p style="text-align: right;">2003</p>  |
| <p>Evergreen Gardens of Vermont<br/>Carol &amp; David Loysen<br/>P.O. Box 60, Route 100<br/>Waterbury Center, VT 05677<br/>802-244-8523</p>   | <p>Balsam fir, white pine, hemlock, white spruce, sugar maple, white birch, red maple, red-osier dogwood, winterberry, bog rosemary, elderberry, highbush cranberry, witherod, arrow-wood, bearberry, American bitterweet.</p> <p style="text-align: center;">2003</p>   |

## Vermont Nurseries that carry Native Species

| <b>Nursery</b>   | <b>Native Plant Species Available</b>  |
|--|--|
| Gardens of Seven Gables<br>Joann Darling<br>546 Anderson Road<br>Barre, VT 05641<br>802-476-3350<br><a href="mailto:GAR7GAB@Aol.com">GAR7GAB@Aol.com</a>   | Sugar maple, larch, quaking aspen, white cedar, meadowsweet, steeplebush, chokecherry, highbush cranberry, red-osier dogwood, pussy willow, American bittersweet, cardinal flower, irises, grasses, rushes, wetland and upland flowers, and ferns. 2003  |
| Grand Isle Nursery, Inc.<br>Stephen Spier<br>50 Ferry Road<br>P.O. Box 350<br>South Hero, VT 05486<br>802-372-8805   | Red maple, American beech, butternut, hop hornbeam, larch, Pagoda dogwood, pussy willow, buttonbush, cardinal flower, ostrich fern, and cinnamon fern. 2003  |
| High Reach Farm<br>Steve Parker & Susanne Terry<br>2847 Tampico Road<br>Danville, VT 05825<br>802-748-3512<br><br>* native genotypes collected off of tree farm on property.   | Sugar maple, red maple, white birch, white ash, basswood, black cherry, hop hornbeam, balsam poplar, quaking aspen, balsam fir, white spruce, white pine, white cedar, larch, beech, pin cherry, wild plum, beaked hazelnut, hobblebush, staghorn sumac, native willows, red-osier dogwood, red elderberry, chokecherry, alder, yew, mountain maple, striped maple. 2003   |
| Horsford Gardens & Nursery<br>2111 Greenbush Road<br>Charlotte, VT 05445<br>802-425-2811<br><a href="mailto:info@horsfordnursery.com">info@horsfordnursery.com</a><br><a href="http://www.horsfordnursery.com">www.horsfordnursery.com</a><br><br>*from New England source; unmarked trees and shrubs from Missouri & Oregon. All perennials from New England sources. | Columbine, blue-flag iris, cardinal flower, Jack-in-the-pulpit, wild ginger, closed gentian, bloodroot, red trillium, Canada violet, lady fern, maidenhair fern, bulbet fern, evergreen wood fern, hay-scented fern, sensitive fern, cinnamon fern, interrupted fern, royal fern, Christmas fern, New York fern, white oak, swamp white oak, burr oak*, red oak*, sugar maple* quaking aspen, sycamore*, red maple, American hornbeam, white pine, white spruce, hemlock, Pagoda dogwood, witch hazel, bayberry, arrow-wood, nanny berry, shadbush. 2003 |

## Vermont Nurseries that carry Native Species

| Nursery   | Native Plant Species Available   |
|---|--|
| <p>Mettowee Mill Nursery<br/>           Steven Jones<br/>           P.O. Box 274<br/>           Route 30<br/>           Dorset, VT 05251<br/>           802-325-3007</p> <p>*Large nursery. Some plants from VT growers, most out-of-state.</p>       | <p>Red maple, sugar maple, red oak, hemlock, white pine, white cedar, balsam fir, white spruce, white birch, chokeberry, witch hazel, shad, Pagoda dogwood, highbush cranberry, winterberry, American bittersweet, Christmas fern, maidenhair fern.</p> <p style="text-align: right;">2003</p>   |
| <p>Rocky Dale Gardens<br/>           806 Rocky Dale Road<br/>           Bristol, VT 05443<br/>           802-453-2782</p> <p>*Shrubs and trees from Minnesota and/or Connecticut.<br/>           *Some herbaceous from a nursery in Pennsylvania.</p> | <p>Sycamore*, American beech, red maple, American hornbeam, Pagoda dogwood, withered, witch hazel, winterberry, sheep laurel, swamp pink, sweet fern, bush honeysuckle, thimbleberry, lowbush blueberry, cardinal flower, turtlehead, pickerelweed, blue flay iris, columbine, bunchberry, wintergreen, wild ginger, royal fern, cinnamon fern, Christmas fern, lady fern, ostrich fern, maidenhair fern.</p> <p style="text-align: right;">2003</p> |
| <p>Smallwood Nurseries<br/>           677 VT Rt. 14<br/>           Williamstown, VT 05679</p>   | <p>Red maple, sugar maple, white &amp; gray birch, white pine, hemlock. Native shade plants; jack-in-the-pulpit, ginger, bleeding heart, ostrich fern, ginseng, poppy, trillium.</p> <p style="text-align: right;">2003</p>  |
| <p>South Forty LTD<br/>           31 South Forty Road<br/>           Shelburne, VT 05482<br/>           802-985-3351</p>  | <p>Sugar maple, silver maple, paper birch, balsam fir, arrow-wood.</p> <p style="text-align: right;">2003</p>  |

### Out-of-State Nurseries that carry Native Species

|  |   |
|--|---|
| <p>Gold Star Sod Farm &amp; Nursery, Inc.<br/>250 West Road<br/>Canterbury, NH 03224<br/>603-783-4716</p>  | <p>Native trees and shrubs including red maple, white birch, balsam fir, white pine, swamp azalea, winterberry, sweet pepperbush and others. 2003</p>   |
| <p>New England Wetland Plants, Inc.<br/>800 Main Street<br/>Amherst, MA 01002<br/>413-256-1752<br/>413-256-1092 (Fax)</p>  | <p>Red maple, green ash, swamp white oak, black willow, buttonbush, silky dogwood, red-osier dogwood, northern arrowwood, spicebush, winterberry, royal fern, marsh fern, several sedges and rushes and a wetland seed mix among others. 2003</p> |
| <p>Northern Nurseries, Inc.<br/>Wholesale Distribution Center<br/>P.O. Box 1048<br/>White River Junction, VT 05001<br/>802-295-2117</p>  | <p>Distributes plants primarily grown in Connecticut. Wholesale. Trees and shrubs including red maple, sugar maple, white pine, red oak, hemlock, witch hazel, withered, nannyberry, highbush and lowbush blueberry. 2003</p>                     |
| <p>Southern Tier Consulting Inc.<br/>2701-A Route 305<br/>P.O. Box 30<br/>West Clarksville, NY 14786<br/>716-968-3120 (inquiries)<br/>800-848-7614 (orders)<br/>E-mail: <a href="mailto:froghome@eznet.net">froghome@eznet.net</a></p> | <p>Numerous sedges, rushes, grasses, ferns, shrubs and trees. 2003</p>  |

## Native Plants available from Vermont Nurseries

### Tree Species

| <i>Common Name</i>   | <i>Latin Name</i>     | <i>General Habitat*</i> |
|----------------------|-----------------------|-------------------------|
| Balsam fir           | Abies balsamea        | SWS, M                  |
| Striped maple        | Acer pennsylvanicum   | M                       |
| Red maple            | Acer rubrum           | HWS, M, D               |
| Silver maple         | Acer saccharinum      | FF                      |
| Sugar maple          | Acer saccharum        | M                       |
| Serviceberries       | Amelanchier spp.      | HWS, M, D               |
| Yellow birch         | Betula alleghaniensis | HWS, M                  |
| White birch          | Betula papyrifera     | M, D, O                 |
| Grey birch           | Betula populifolia    | M,D, O                  |
| American hornbeam    | Carpinus caroliniana  | FF, M                   |
| American beech       | Fagus grandifolia     | M                       |
| White ash            | Fraxinus americana    | M                       |
| Larch                | Larix laricina        | HWS, SWS                |
| Hop hornbeam         | Ostrya virginiana     | M, D                    |
| White spruce         | Picea glauca          | SWS                     |
| White pine           | Pinus strobus         | M, D                    |
| Balsam poplar        | Populus balsamifera   | FF, M                   |
| Quaking aspen        | Populus tremuloides   | M                       |
| Pin cherry           | Prunus pensylvanica   | M                       |
| Black cherry         | Prunus serotina       | M                       |
| White oak            | Quercus alba          | D                       |
| Swamp white oak      | Quercus bicolor       | FF, HWS                 |
| Bur oak              | Quercus macrocarpa    | M                       |
| Red oak              | Quercus rubra         | M, D                    |
| Northern White cedar | Thuja occidentalis    | SWS                     |
| Basswood             | Tilia americana       | M                       |
| Eastern hemlock      | Tsuga canadensis      | M, D                    |

**Legend:**      \* *General Habitat Types*

**Upland**

Mesic—M

Dry—D

Open Outcrop/Cliff—O

**Wetland**

Open Water—OW

Deep Marsh—DM

Shallow Marsh—SM

Wet Meadow—WM

Scrub/Shrub Wetland—SS

Hardwood Swamp—HWS

Softwood Swamp-SWS

Forested Floodplain-FF

## Shrub Species

| <i>Common Name</i>              | <i>Latin Name</i>                | <i>General Habitat*</i> |
|---------------------------------|----------------------------------|-------------------------|
| Speckled alder                  | <i>Alnus incana</i>              | SS                      |
| Shadbush                        | <i>Amelanchier</i> spp.          | M                       |
| Bog rosemary                    | <i>Andromeda polifolia</i>       | Peatland, SWS           |
| Bearberry                       | <i>Arctostaphylos uva-uris</i>   | D, O                    |
| Black chokeberry                | <i>Aronia melanocarpa</i>        | Peatland, O             |
| Buttonbush                      | <i>Cephalanthus occidentalis</i> | HWS, SS                 |
| Sweet fern                      | <i>Comptonia peregrina</i>       | D, O                    |
| Beaked hazelnut                 | <i>Corylus cornuta</i>           | M                       |
| Pagoda dogwood                  | <i>Cornus alternifolia</i>       | M                       |
| Red-osier dogwood               | <i>Cornus stolonifera</i>        | SS, HWS                 |
| Bush honeysuckle                | <i>Diervilla lonicera</i>        | D, O                    |
| Wintergreen                     | <i>Gaultheria procumbens</i>     | M, D                    |
| Witch-hazel                     | <i>Hamamelis virginiana</i>      | M, D                    |
| Winterberry                     | <i>Ilex verticillata</i>         | SS, HWS, SWS            |
| Sheep laurel                    | <i>Kalmia angustifolia</i>       | Peatland, SWS           |
| Bog laurel                      | <i>Kalmia polifolia</i>          | Peatland, SWS           |
| Mountain Holly                  | <i>Nemopanthus mucronatus</i>    | SWS, HWS                |
| Canada (wild) plum              | <i>Prunus nigra</i>              | M                       |
| Chokecherry                     | <i>Prunus virginiana</i>         | M                       |
| Rhodora                         | <i>Rhododendron canadense</i>    | Peatland, SWS           |
| Roseshell azalea (rare species) | <i>Rhododendron prinopyllum</i>  | HWS, D                  |
| Swamp azalea                    | <i>Rhododendron viscosum</i>     | HWS                     |
| Staghorn sumac                  | <i>Rhus typhina</i>              | D                       |
| Willow                          | <i>Salix discolor</i>            | SS                      |
| Elderberry                      | <i>Sambucus canadensis</i>       | M                       |
| Red elderberry                  | <i>Sambucus racemosa</i>         | M                       |
| Mountain ash                    | <i>Sorbus americana</i>          | M                       |
| Meadowsweet                     | <i>Spiraea latifolia</i>         | SS                      |
| Steeplebush                     | <i>Spiraea tomentosa</i>         | SS                      |
| Snowberry                       | <i>Symphoricarpos albus</i>      | D, O                    |
| American yew                    | <i>Taxus Canadensis</i>          | SWS, M                  |
| Lowbush blueberry               | <i>Vaccinium angustifolium</i>   | O                       |
| Highbush blueberry              | <i>Vaccinium corymbosum</i>      | SWS, HWS                |
| Hobblebush                      | <i>Viburnum alnifolium</i>       | M                       |
| Witherod                        | <i>Viburnum cassinoides</i>      | SWS                     |
| Arrowwood                       | <i>Viburnum dentatum</i>         | SS, HWS                 |
| Nannyberry                      | <i>Virurnum lentago</i>          | HWS, SS                 |

## Ferns and Vines

| <i>Common Name</i>       | <i>Latin Name</i>                      | <i>General Habitat*</i> |
|--------------------------|--|-------------------------|
| Maidenhair fern          | <i>Adiantum pedatum</i>                | M                       |
| Ebony spleenwort         | <i>Asplenium platyneuron</i>           | O                       |
| Maidenhair spleenwort    | <i>Asplenium trichomanes</i>           | O                       |
| Lady fern                | <i>Athrium felix-femina</i>            | M                       |
| American bittersweet     | <i>Celastrus scandens</i>              | M, D, O                 |
| Bulbet fern              | <i>Cystopteris bulbifera</i>           | M                       |
| Goldie's wood fern       | <i>Dryopteris goldiana</i>             | M                       |
| Evergreen woodfern       | <i>Dryopteris marginalis</i>           | M                       |
| Ostrich fern             | <i>Matteucia struthiopteris</i>        | FF                      |
| Sensitive fern           | <i>Onoclea sensibilis</i>              | WM, HWS                 |
| Cinnamon fern            | <i>Osmunda cinnamomea</i>              | HWS, SWS                |
| Royal fern               | <i>Osmunda regalis</i>                 | HWS, SWS                |
| Virginia creeper         | <i>Parthenocissus<br/>quinquefolia</i> | M                       |
| Christmas fern           | <i>Polystichum<br/>acrostichoides</i>  | M                       |
| Braun's Holly fern       | <i>Polystichum brauni</i>              | M                       |
| New York (tapering) fern | <i>Thelypteris<br/>noveboracensis</i>  | M                       |
| Rusty woodsia            | <i>Woodsia ilvensis</i>                | O                       |

**Legend:**      \* *General Habitat Types*

**Upland**

Mesic—M

Dry—D

Open Outcrop/Cliff—O

**Wetland**

Open Water—OW

Deep Marsh—DM

Shallow Marsh—SM

Wet Meadow—WM

Scrub/Shrub Wetland—SS

Hardwood Swamp—HWS

Softwood Swamp-SWS

Forested Floodplain-FF

## Herbaceous Plants

| <i>Common Name</i>       | <i>Latin Name</i>             | <i>General Habitat*</i> |
|--------------------------|-------------------------------|-------------------------|
| Sweet flag               | <i>Acorus calamus</i>         | SM, WM                  |
| Spikenard                | <i>Aralia racemosa</i>        | M                       |
| Baneberry                | <i>Actaea rubra</i>           | M                       |
| Common columbine         | <i>Aquilegia canadensis</i>   | O                       |
| Wild ginger              | <i>Asarum canadense</i>       | M                       |
| Water arum               | <i>Calla palustris</i>        | DM, SM                  |
| Marsh marigold           | <i>Caltha palustris</i>       | SM                      |
| Harebell                 | <i>Campanula rotundifolia</i> | O                       |
| Turtlehead               | <i>Chelone glabra</i>         | SM, WM, HWS             |
| Bunchberry               | <i>Cornus canadensis</i>      | SWS, M                  |
| Crowberry (rare species) | <i>Empetrum nigrum</i>        | O                       |
| Trailing arbutus         | <i>Epigaea repens</i>         | D, O                    |
| Joe-Pyeweed              | <i>Eupatorium maculatum</i>   | SM, WM, HWS             |
| Blue flag iris           | <i>Iris versicolor</i>        | SM, WM, peatland        |
| Creeping snowberry       | <i>Gaultheria hispidula</i>   | SWS                     |
| Soft rush                | <i>Juncus effusus</i>         | SM, WM                  |
| Cardinal flower          | <i>Lobelia cardinalis</i>     | SM, HWS                 |
| Pickerelweed             | <i>Pontederia cordata</i>     | DM                      |
| Pitcher plant            | <i>Sarracenia purpurea</i>    | Peatland, SWS           |
| False Solomon's seal     | <i>Smilacina racemosa</i>     | M                       |
| Foamflower               | <i>Tiarella cordifolia</i>    | M, HWS                  |
| Red trillium             | <i>Trillium erectum</i>       | M                       |
| White trillium           | <i>Trillium grandiflorum</i>  | M                       |
| Bellwort                 | <i>Uvularia perfoliata</i>    | M                       |
| Blue vervain             | <i>Verbena hastata</i>        | SM, WM                  |
| Canada violet            | <i>Viola canadensis</i>       | M                       |

## **Vermont Department of Agriculture, Food & Markets** **Quarantine #3 - Noxious Weeds**

### **Section I: Statement of Concerns**

Whereas, the Vermont Department of Agriculture, Food & Markets having found that certain noxious weeds out compete and displace plants in natural ecosystems and managed lands; and

Whereas, competition and displacement of plants by certain noxious weeds has significant environmental, agricultural and economic impacts; and

Whereas, it has been determined to be in the best interest of the State of Vermont to regulate the importation, movement, sale, possession, cultivation and / or distribution of certain noxious weeds:

Therefore, the State of Vermont is hereby establishing this noxious weed quarantine regulation by the authority of 6 V.S.A., Chapter 84, Pest Survey, Detection and Management.

### **Section II: Definitions**

“Class A Noxious Weed” means any noxious weed on the Federal Noxious Weed List (7 C.F.R. 360.200), or any noxious weed that is not native to the State, not currently known to occur in the State, and poses a serious threat to the State.

“Class B Noxious Weed” means any noxious weed that is not native to the state, is of limited distribution statewide, and poses a serious threat to the State, or any other designated noxious weed being managed to reduce its occurrence and impact in the State.

“Commissioner” means the Commissioner of Agriculture, Food & Markets, or his or her designee.

“Noxious Weed” means any plant in any stage of development, including parasitic plants whose presence whether direct or indirect, is detrimental to the environment, crops or other desirable plants, livestock, land, or other property, or is injurious to the public health.

“Plant and Plant Products” means trees, shrubs, and vines; forage, fiber, and cereal plants; cuttings, grafts, scions, buds and lumber; fruit, vegetables, roots, bulbs, seeds and wood; and all other plants, parts of plants, and plant products.

“Possession” means to grow, manage or cultivate through planting, pruning, watering, fertilization, weeding, propagation, or any other means that promotes the growth of the noxious weed. This does not include the incidental occurrence of a noxious weed on wild or managed land.

### **Section III: Designation as a Noxious Weed**

(A) The following conditions shall be met for a plant or plant product to be designated as a Class A or B Noxious Weed:

(1) As determined by a pest risk assessment, a quarantined noxious weed must pose an actual or anticipated threat to a substantial agricultural, forestry or environmental interest and / or the general public.

(2) Establishment of a quarantine for a specified noxious weed is likely to contribute to the objective of preventing introduction or for limiting the spread and / or severity of the noxious weeds impact to the agricultural, forestry or environmental interest.

(3) No substitute or alternative mitigating action will accomplish the same pest prevention purpose.

(4) The economic and/or environmental benefits of quarantining a specified noxious weed outweigh the economic and/or environmental benefits associated with the noxious weed.

(B) The following biological factors shall be used to evaluate whether or not a plant or plant product has satisfied the conditions for designation as a Class A or Class B Noxious Weed.

(1) Native origin of the plant;

(2) Known distribution;

(3) Mechanism and potential for spread to and within Vermont;

(4) Past, current and potential environmental, economic and human health impacts;

(5) Feasibility of control and spread prevention;

(6) Regional and national perspective;

(7) Designation as a federal noxious weed; and / or

(8) Other pertinent factors.

(C) Designation as a Class A or Class B Noxious Weed shall occur through the Administrative Rule procedure as outlined in 3 V.S.A., Chapter 25.

## **Section IV: Designated Noxious Weeds**

### (A) Class A Noxious Weeds.

- (1) All weeds listed in 7 C.F.R. 360.200 as amended, which is hereby incorporated by reference including subsequent amendments and editions.
- (2) *Cabomba caroliniana* (fanwort)
- (3) *Egeria densa* (Brazilian elodea)
- (4) *Hydrilla verticillata* (hydrilla)
- (5) *Hygrophila polysperma* (Roxb.) T. Anderson (E. Indian hygrophila)
- (6) *Myriophyllum aquaticum* (Vell.) Verdc. (Parrot feather)
- (7) *Myriophyllum heterophyllum* (variable-leaved milfoil)
- (8) *Salvinia auriculata* (giant salvinia)
- (9) *Salvinia biloba* (giant salvinia)
- (10) *Salvinia herzogii* (giant salvinia)
- (11) *Salvinia molesta* (giant salvinia)
- (12) *Vincetoxicum hirundinaria* Medikus. (pale swallow-wort)

### (B) Class B Noxious Weeds.

- (1) *Aegopodium podagraria* L. (goutweed)
- (2) *Ailanthus altissima* (tree-of-heaven)
- (3) *Alliaria petiolata* (*A. officinalis*) (garlic mustard)
- (4) *Butomus umbellatus* (flowering rush)
- (5) *Celastrus orbiculatus* Thunb. (Oriental bittersweet)
- (6) *Fallopia japonica* (*Polygonum cuspidatum*) (Japanese knotweed)
- (7) *Hydrocharis morsus-ranae* L. (frogbit)
- (8) *Lonicera x bella* (Bell honeysuckle)
- (9) *Lonicera japonica* (Japanese honeysuckle)
- (10) *Lonicera maackii* (Amur honeysuckle)
- (11) *Lonicera morrowii* (Morrow honeysuckle)
- (12) *Lonicera tatarica* (Tartarian honeysuckle)
- (13) *Lythrum salicaria* (purple loosestrife)
- (14) *Myriophyllum spicatum* (Eurasian watermilfoil)
- (15) *Nymphoides peltata* (Gmel.) Ktze. (yellow floating heart)
- (16) *Phragmites australis* (common reed)
- (17) *Potamogeton crispus* L. (curly leaf pondweed)
- (18) *Rhamnus cathartica* (common buckthorn)
- (19) *Rhamnus frangula* (glossy buckthorn)
- (20) *Trapa natans* L. (water chestnut)
- (21) *Vincetoxicum nigrum* L. (black swallow-wort)

## **Section V: Prohibitions**

(A) The movement, sale, possession, cultivation, and / or distribution of Class A Noxious Weeds designated in Section IV of this quarantine regulation is prohibited.

(B) The movement, sale, and / or distribution of Class B Noxious Weeds designated in Section IV of this quarantine regulation is prohibited.

(C) Violation of any of the prohibitions listed in Section V of this regulation may result in:

- (1) The issuance of cease and desist orders; and / or,
- (2) Temporary or permanent injunctions; and / or,
- (3) Administrative penalties not to exceed \$1,000 per violation, as specified in 6 V.S.A., Chapter 84, Sections 1037 and 1038.

## **Section VI: Exemptions**

(A) Scientific, economic and educational exemptions may be granted by the Commissioner to allow for the movement, possession and field experimentation of noxious weeds for scientific and educational purposes under such conditions as may be prescribed by the commissioner. When granting exemptions, the commissioner shall take into consideration the value of the scientific, economic or education purpose and the risk to Vermont's environment, economy and citizens.

(B) Transportation of any Class A or B Noxious weed on any road or highway of the state is exempt if any of the following is true:

- (1) It is for disposal as part of a management control activity; or
- (2) It is for the purpose of identifying a species or reporting the presence of a species, and the Class A or B Noxious weed is in a sealed container; or

(C) Preserved specimens in the form of herbaria or other preservation means are not subject to this regulation.

(D) Varieties, cultivars, hybrids and/or subspecies that have been shown through scientific research and analysis not to be invasive.

Adopted on 4/20/02. For more information contact Scott Pfister, Vermont Department of Agriculture, Food & Markets, 802-828-3481, [spfister@agr.state.vt.us](mailto:spfister@agr.state.vt.us)

## Sources of Information

Native Vegetation for Lakeshore, Streamsides, and Wetland Buffers. 1994. Vermont Department of Environmental Conservation, Waterbury, Vermont.

Native Alternatives for Invasive Ornamental Plant Species. Timothy Abbey, Connecticut Agricultural Experiment Station. New Haven, Connecticut.

Lake and Pond Plants, A Guide to Vermont's Common Aquatic Plants and Their Natural Values in Lakes. Susan Warren, Ann Bove; Department of Environmental Conservation, Waterbury, Vermont.

Native Trees, Shrub, and Vines for Urban and Rural America, A Planting Design Manual for Environmental Designers. 1988. Gary L. Hightshoe. New York: Van Nostrand Reinhold.

Landscape Plants for Vermont. 2002. Norman Pellet. University of Vermont Extension, Burlington, Vermont.

Growing and Propagating Wildflowers of the United States and Canada. 2000. William Cullina, The New England Wild Flower Society, Framingham, Massachusetts.

Check out these websites for more information on designing with native plants and updates on the invasive species front. Restoration projects and nurseries are included below as well.

<http://www.newfs.org>

<http://arboretum.conncoll.edu>

<http://tncweeds.ucdavis.edu>

[www.nps.gov/plants/alien/factmain.htm](http://www.nps.gov/plants/alien/factmain.htm)

Vermont Riparian Propagation and Education Project (VRPEP), Simon Hurd, Riparian Conservation Coordinator, Intervale Foundation, Burlington, Vermont. [www.intervale.org](http://www.intervale.org)

Poultney-Mettowee Restoration Nursery, Murraray, Nursery Coordinator. 802-265-8645

**Special Thanks** go out to:

Cathy Kashanski, Susan Warren, Eric Sorenson, Everett Marshall, Robert Popp, Patricia Usle, and Scott Fister as well as the nurseries who supplied me with catalogs and information.



**Scrub/Shrub  
Wetland**

- Speckled alder
- Red-osier dogwood
- Silky dogwood
- Meadowsweet
- Highbush blueberry
- Northern arrow-wood

**Forested Wetland  
Hardwood  
Swamp**

- Black Ash
- Red maple
- Swamp white oak
- Winterberry
- Red-osier dogwood
- Highbush cranberry
- Sensitive fern
- Royal fern
- Foamflower
- Turtlehead
- Cardinal Flower

**Forested Wetland  
Softwood Swamp**

- Balsam fir
- Larch
- Eastern Hemlock
- Northern White Cedar
- Winterberry
- Sheep laurel
- Bog rosemary
- Bunchberry
- Cinnamon fern

**Upland-Mesic**

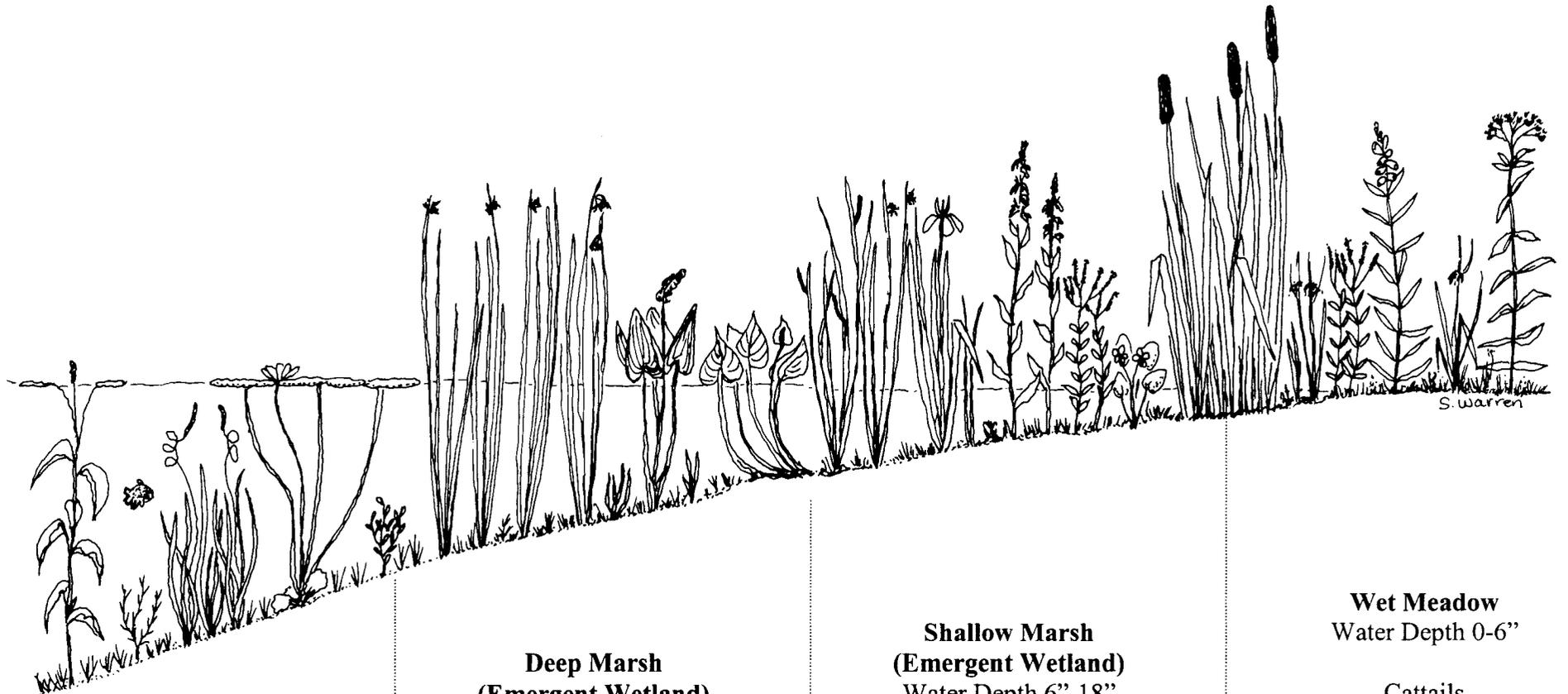
- Striped maple
- White ash
- White pine
- Black cherry
- Hobblebush
- Beaked hazelnut
- Witch hazel
- Chokecherry
- Red elderberry
- Maidenhair fern
- Hayscented fern
- Virginia creeper

**Upland-Dry**

- White pine
- White oak
- Red oak
- Eastern hemlock
- Red maple
- White birch
- Hop hornbeam
- Bush honeysuckle
- American bittersweet
- Roseshell azalea

**Upland-Open  
Outcrop**

- White birch
- Grey birch
- Lowbush blueberry
- Black chokecherry
- Bearberry
- Sweet fern
- Ebony spleenwort



**Open Water (Aquatic Bed)**  
Water Depth 3'-7'

White water lily  
Yellow water lily  
Pondweeds  
Wild celery

**Deep Marsh  
(Emergent Wetland)**  
Water Depth 18"-3'

Water arum  
Pickerelweed  
Soft-stem bulrush  
Hard-stem bulrush  
Broad-leaved arrowhead  
Wild rice

**Shallow Marsh  
(Emergent Wetland)**  
Water Depth 6"-18"

Sweet flag  
Marsh marigold  
Blue Flag Iris  
Cardinal flower  
Blue vervain  
Soft-stem bulrush  
Common cattail  
Tussock sedge

**Wet Meadow**  
Water Depth 0-6"

Cattails  
Sweet flag  
Blue vervain  
Turtlehead  
Woolgrass  
Joe-Pyeweed