



# Native Alternatives to Invasive Plants

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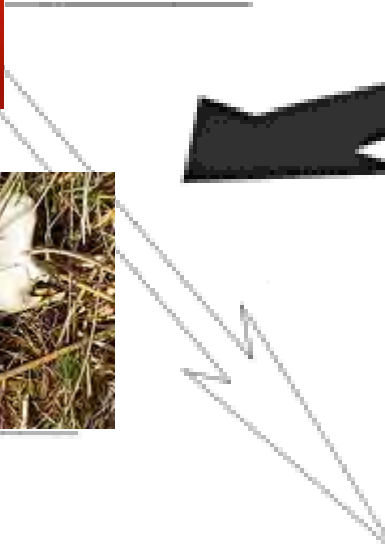
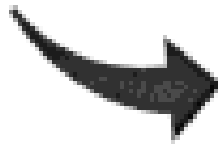




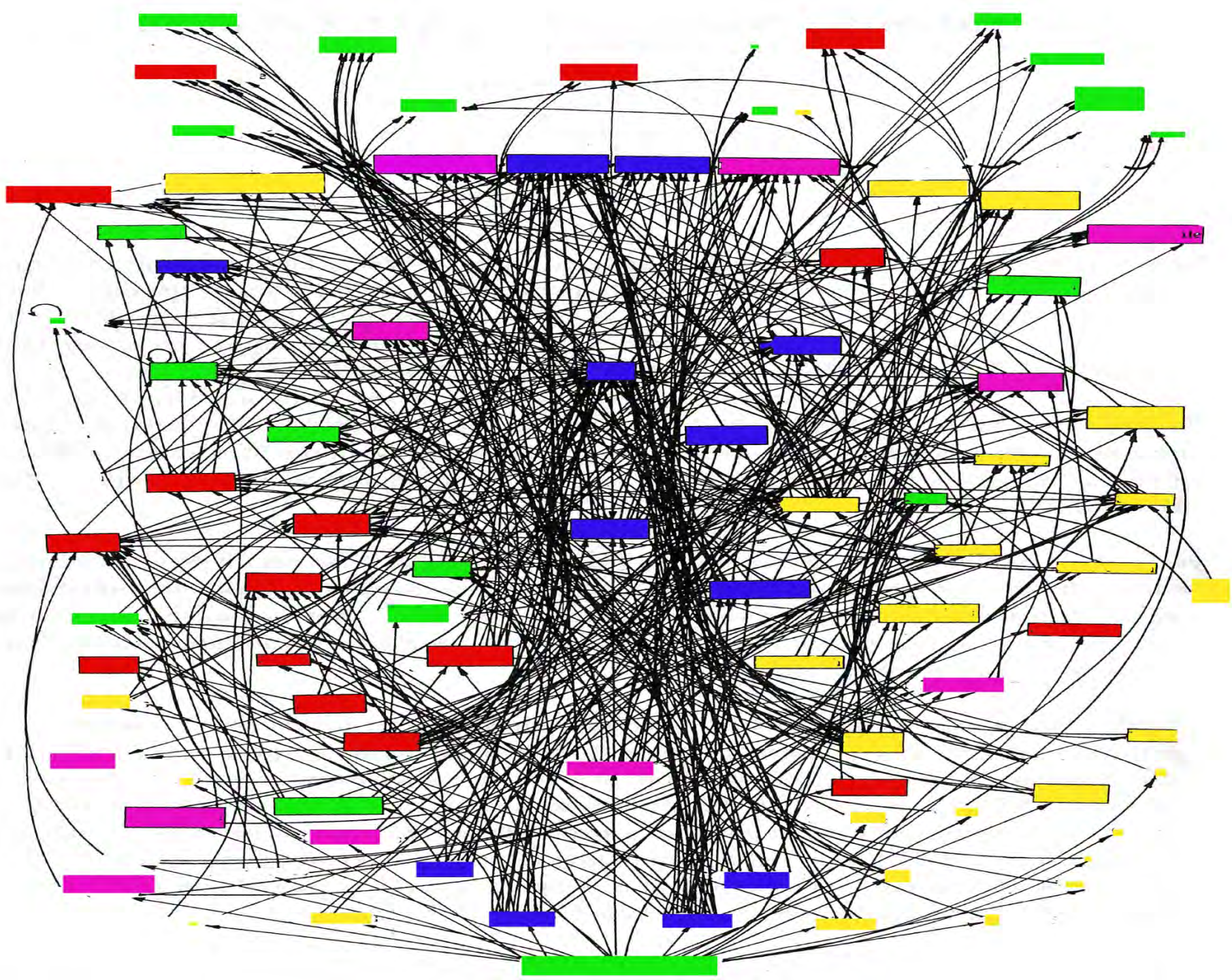




















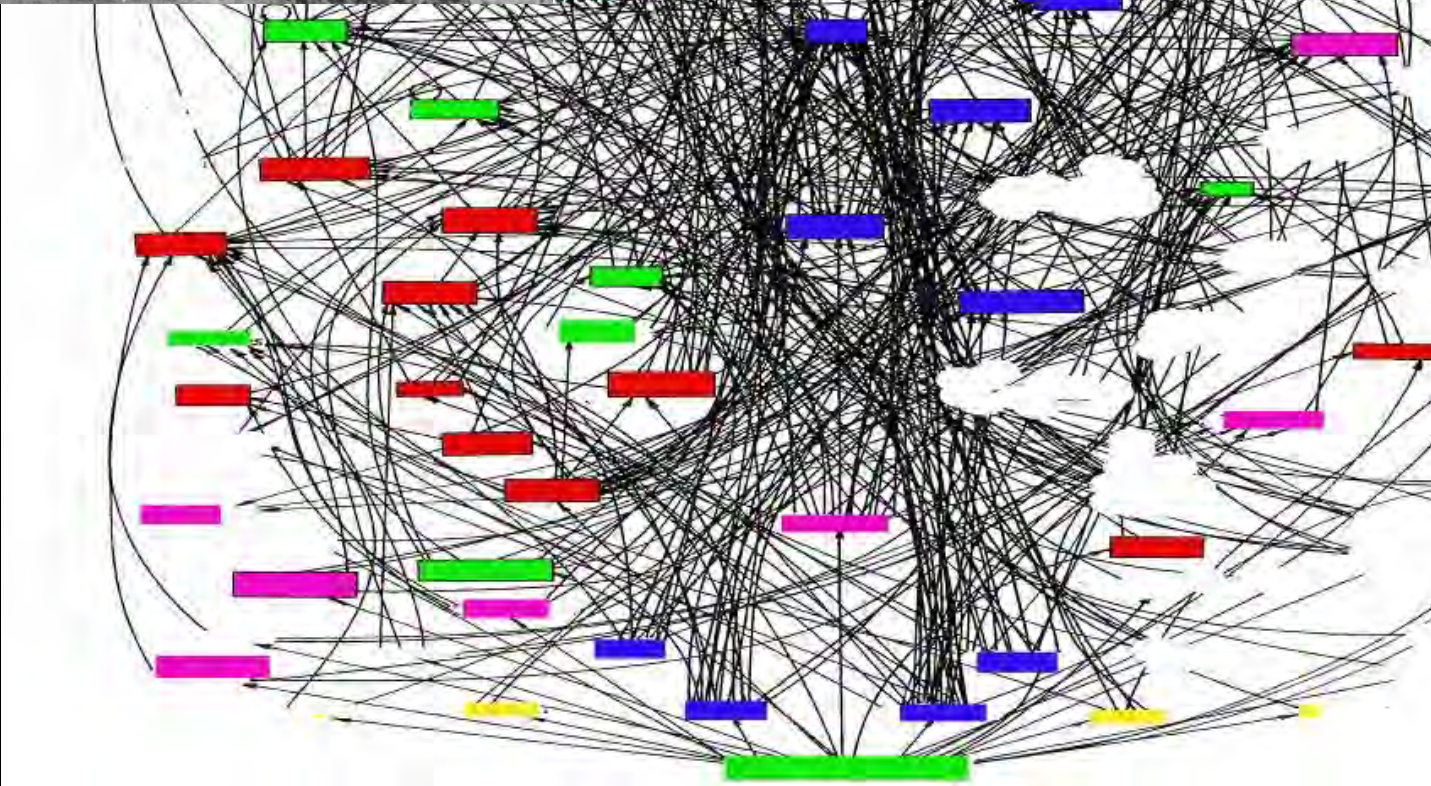
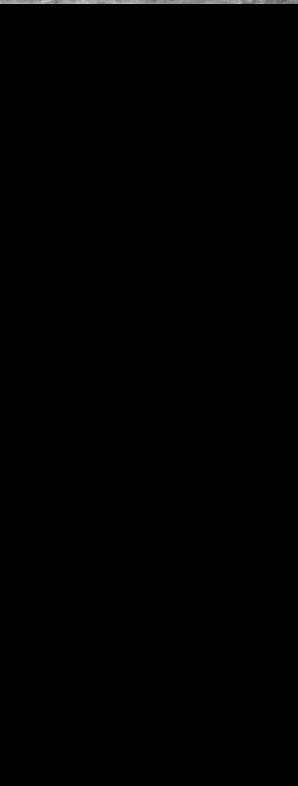
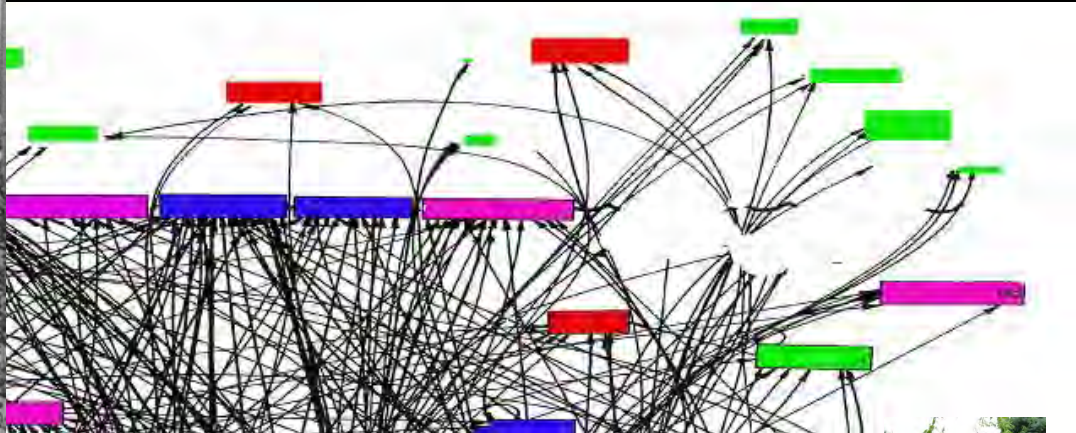
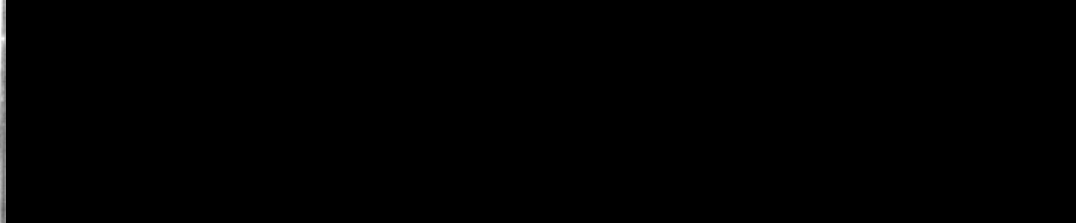
"Invasive species" means an alien species whose introduction does or is likely to cause economic or environmental harm or harm to human health.



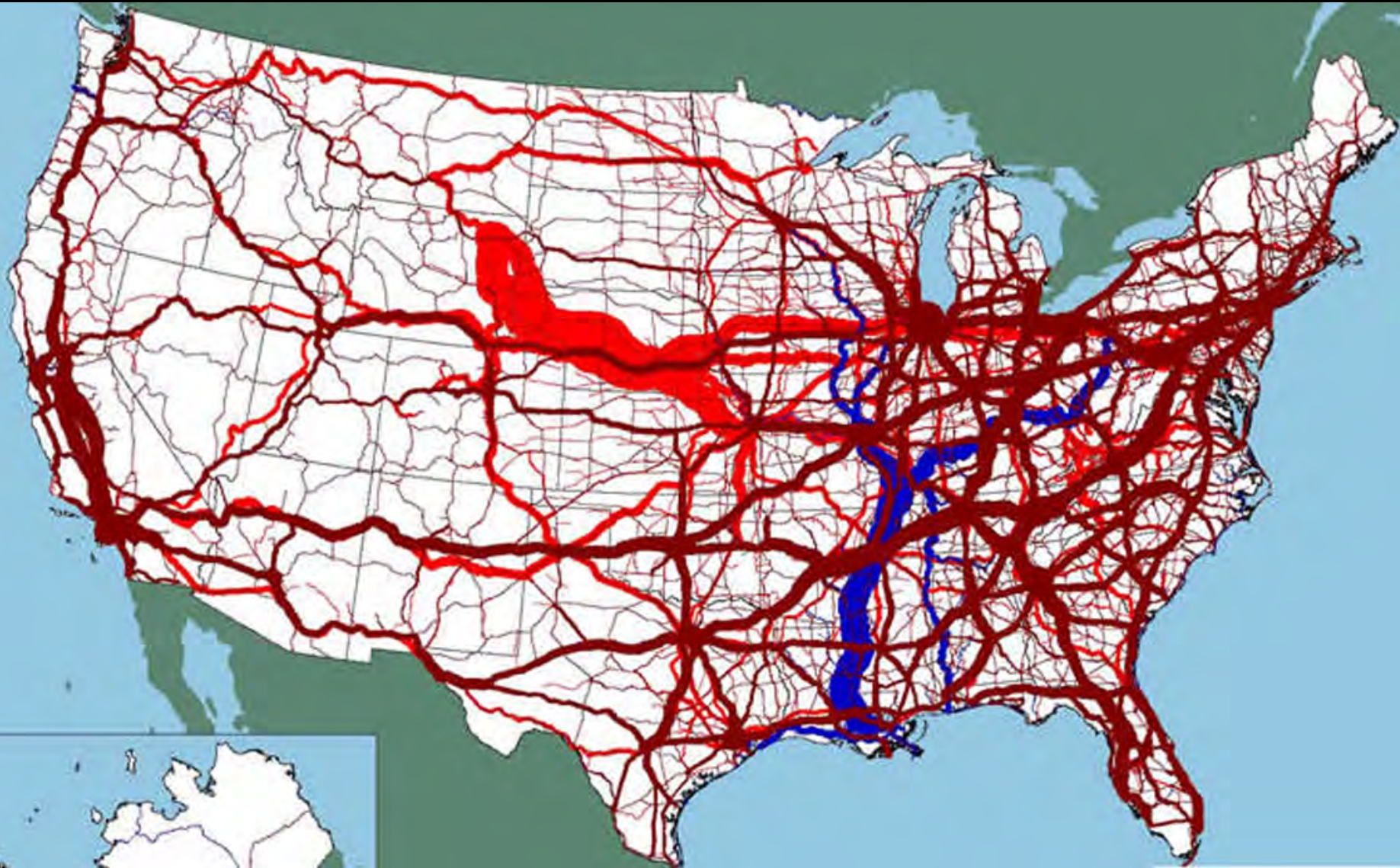




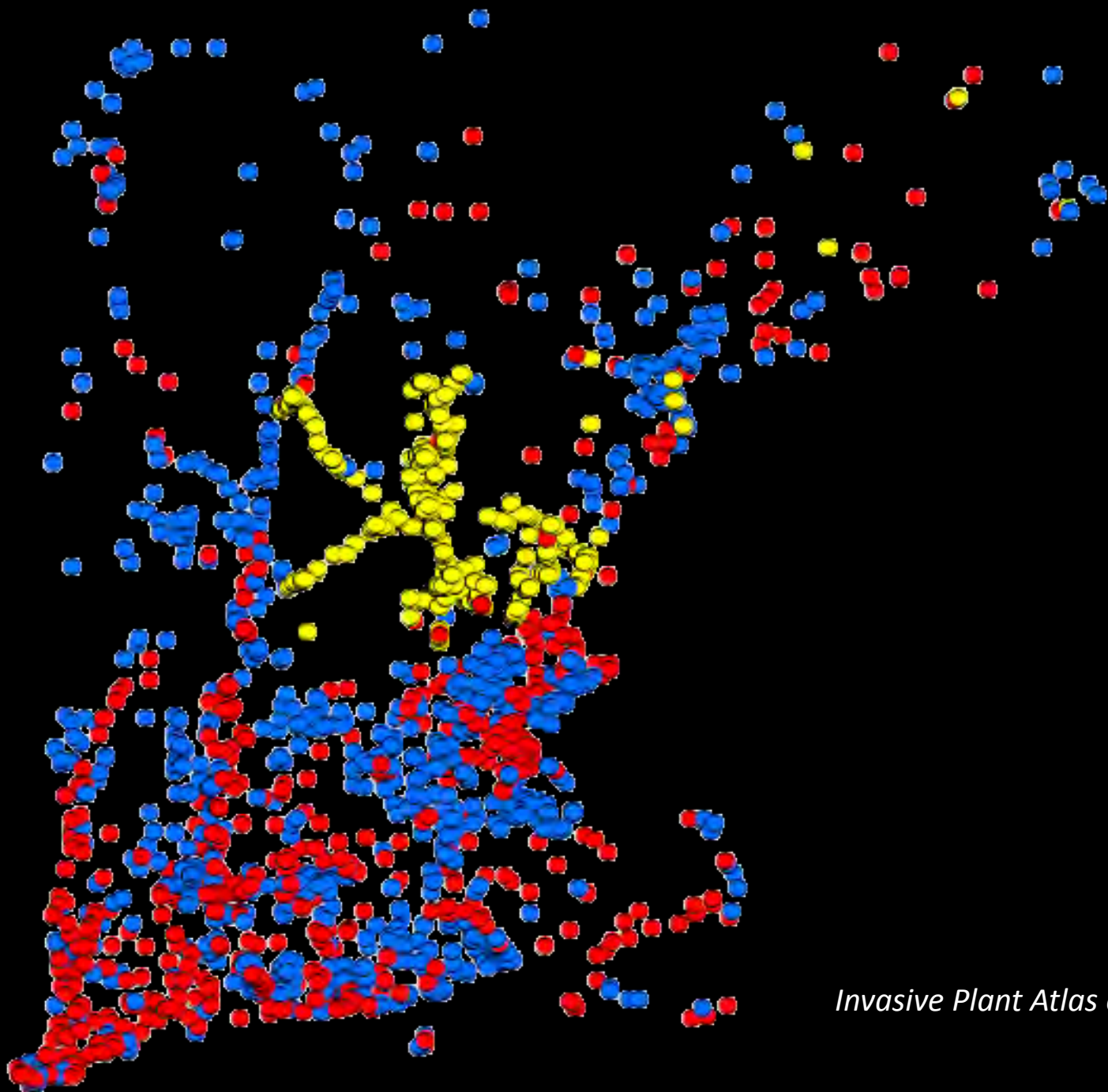






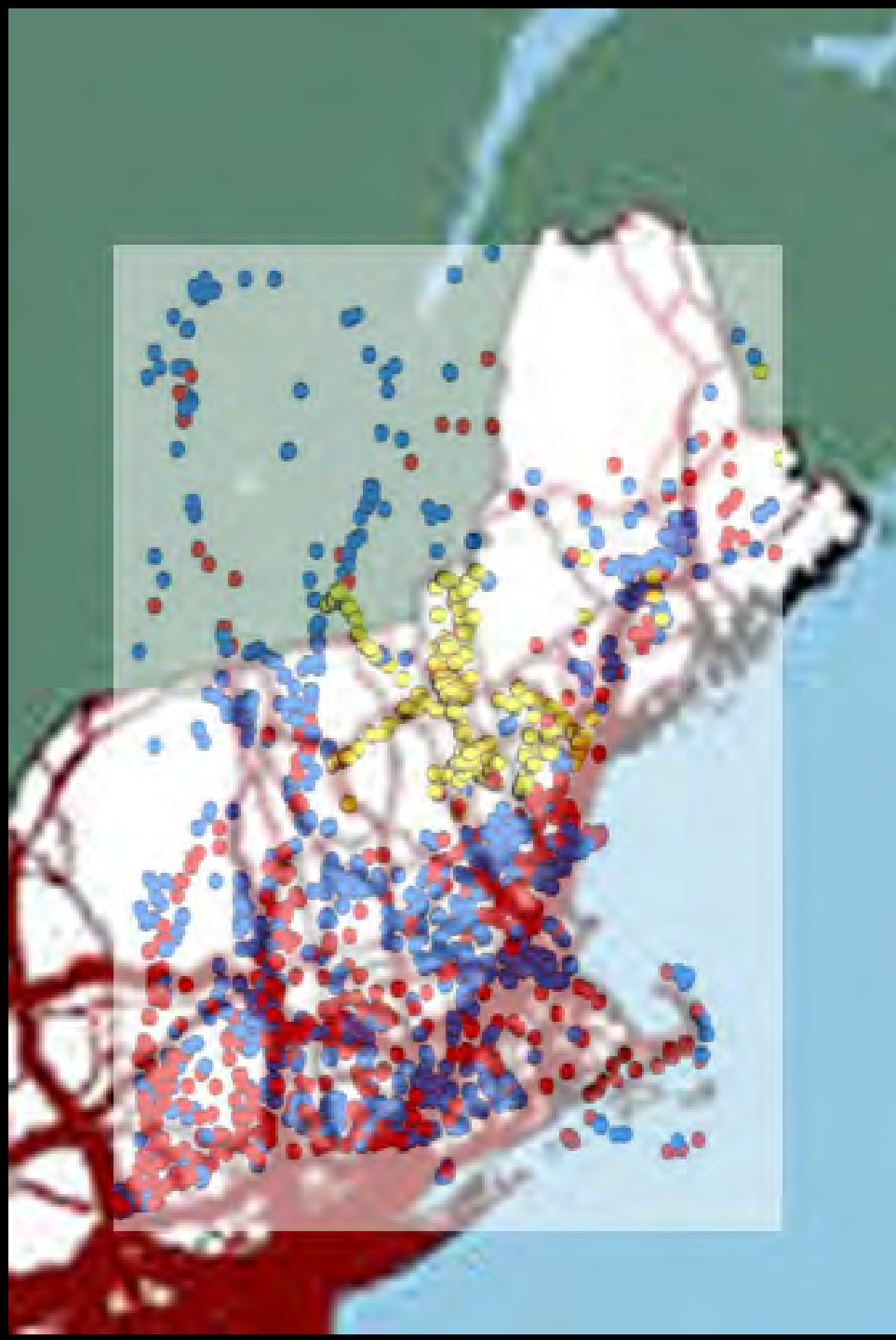






*Invasive Plant Atlas of New England*











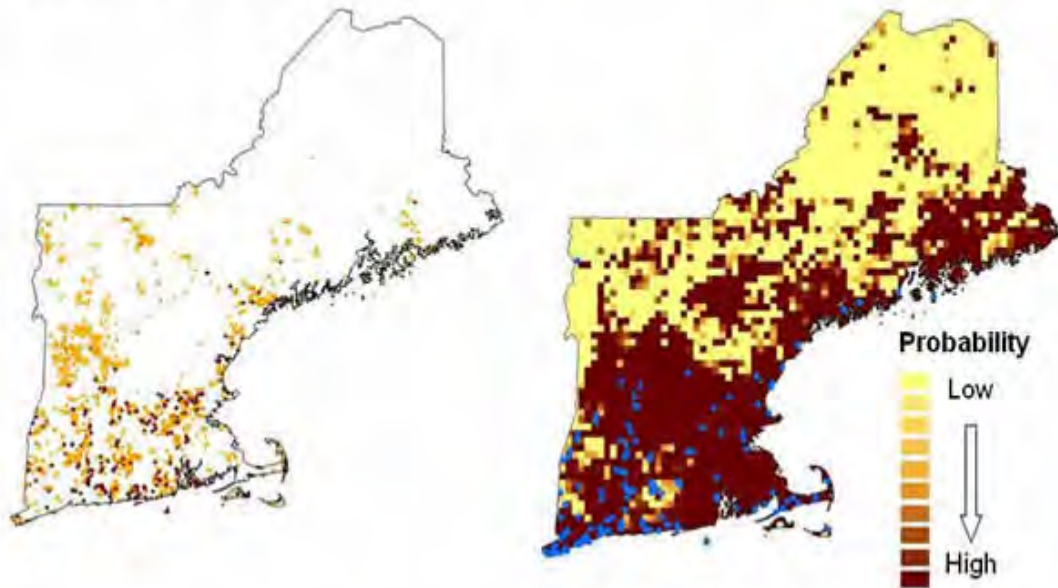


*Euonymus alatus*





*Celastrus orbiculatus*



Ibáñez et al. 2009



# *Trees*

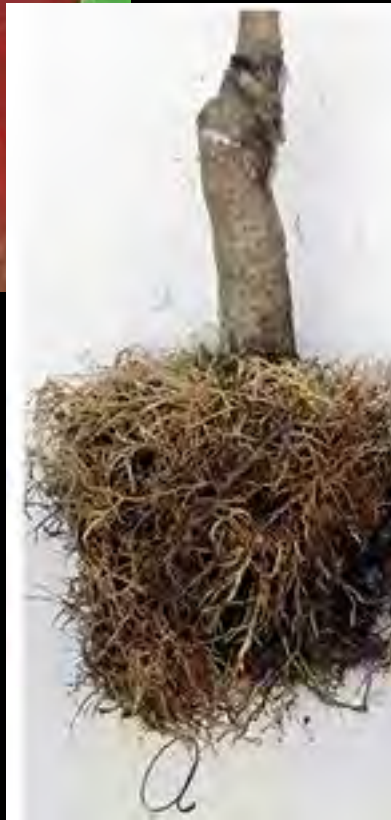




*Quercus bicolor*











*Betula allegheniensis*





*Acer rubrum*











*Acer rubrum* south Florida



western Massachusetts





*Acer rubrum* 'Red October'



A field of purple coneflowers with orange centers. The flowers are in various stages of bloom, with some in sharp focus and others blurred in the background. The text "Nativars" is overlaid in the center of the image.

“Nativars”

*Echinacea purpurea*



*'Alton Knight'*







*Echinacea 'Milkshake'*



*Echinacea paradoxa*





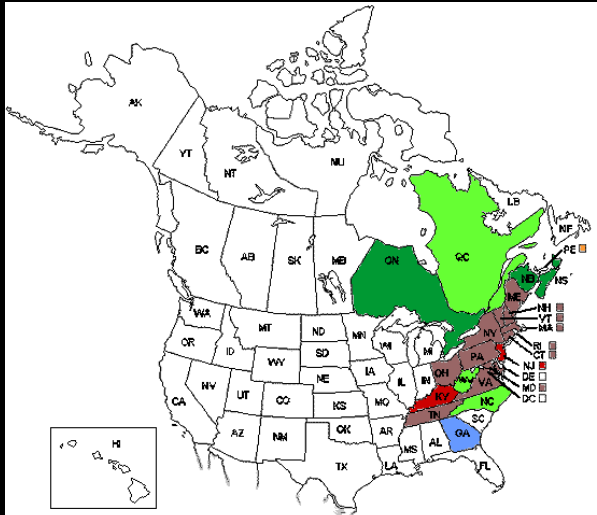


*Echinacea X 'Hot Papaya'*



Genotype





*Viburnum lantanoides*

















*Nyssa sylvatica*



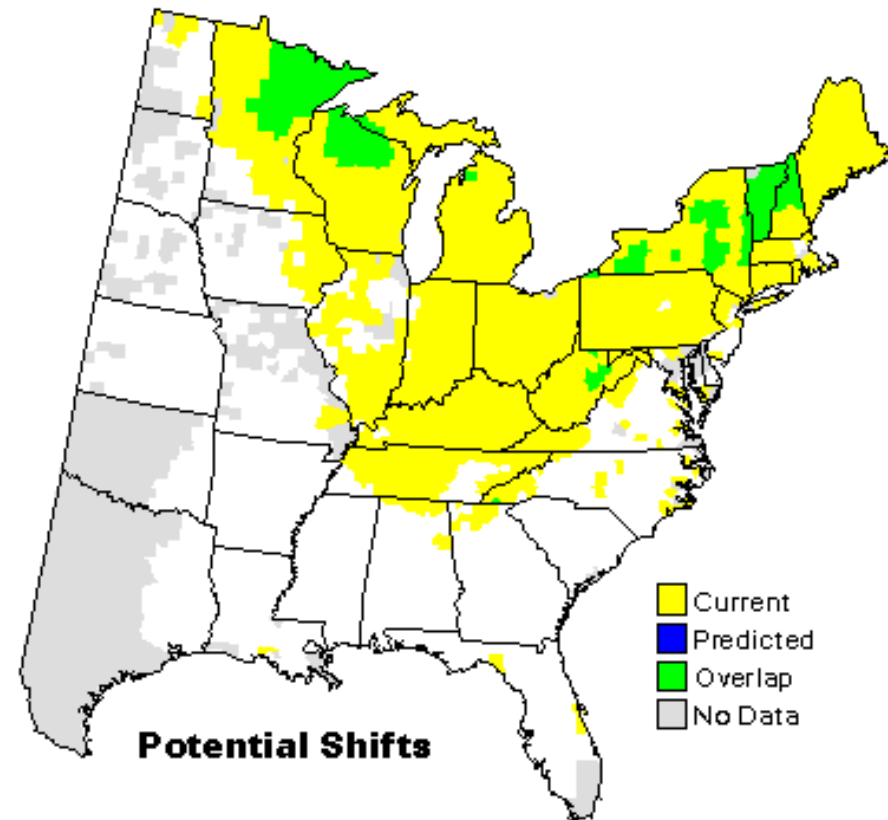
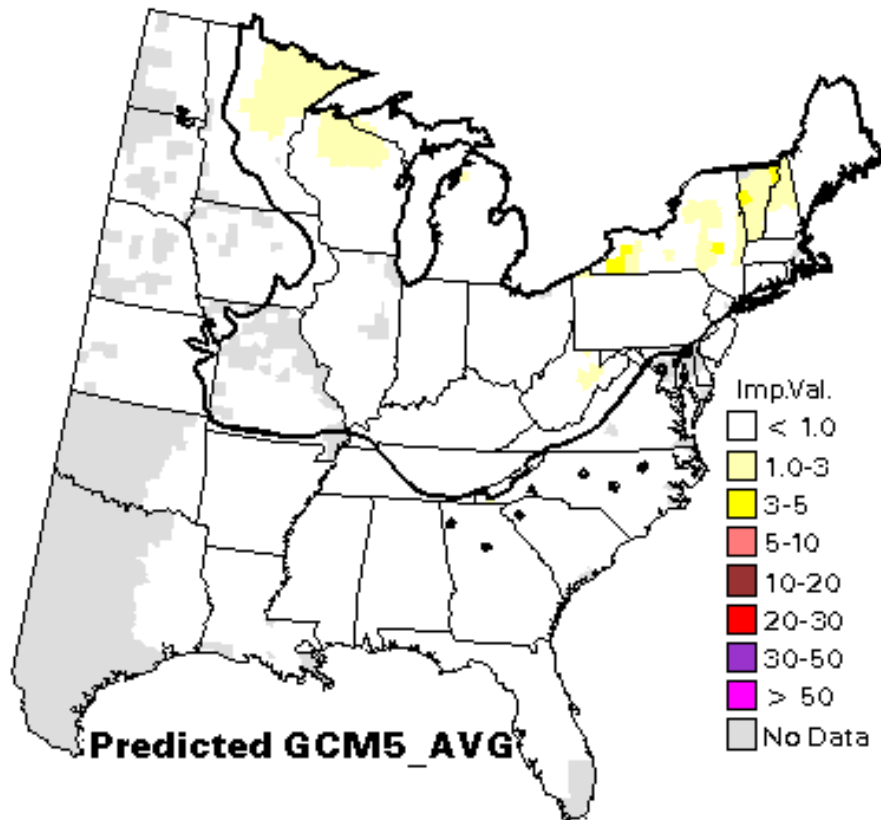


*CMBG genotype under  
evaluation at Schmitt  
Nurseries*

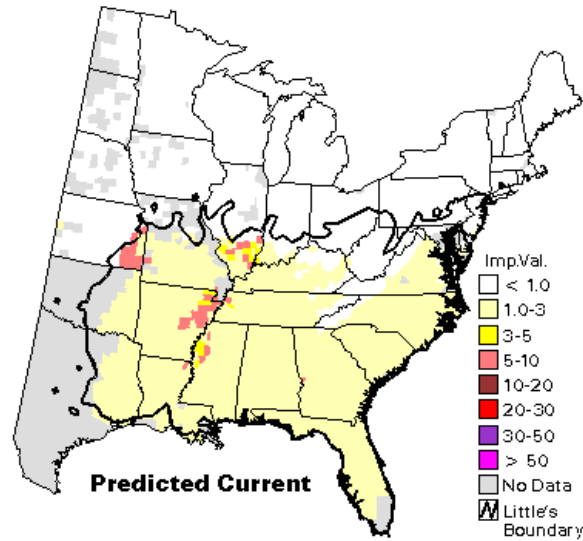


# Sugar maple predicted Percent of forest cover 2050

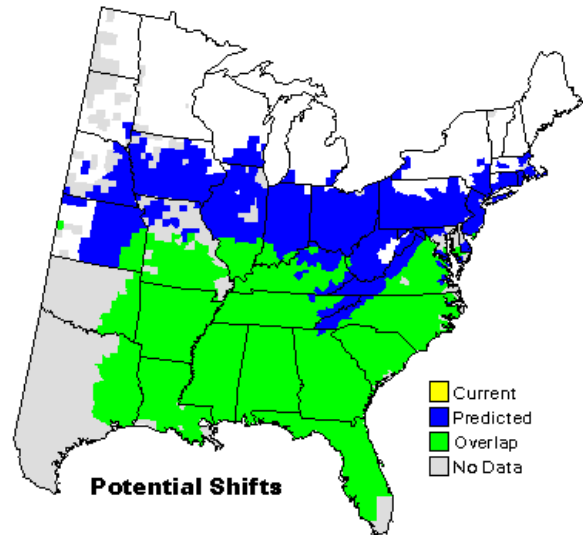
# Sugar Maple Current percent of forest cover







Persimmon Current  
percent of forest cover



Persimmon predicted  
Percent of forest cover





*Diospyros virginiana*





Diospyros 'Meader'







*Sassafras albidum*

*Male*



*Female*



*Liriodendron tulipifera*











*Magnolia virginiana*























*Amelanchier laevis*



‘Autumn Brilliance’







‘Robin Hill’





*Amelanchier canadensis*



# *Shrubs*







*Prunus maritima*





**JALMA FARMS**  
**BEACH PLUM JELLY**

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*Myrica pensylvanica*







*Frankia nodules*

















*Comptonia peregrina*











*Ceanothus americanus*







*Diervilla lonicera*





2 months after bare root planting

















*Photinia (Aronia)  
melanocarpa*







'Iroquois Beauty'



'Autumn Magic'

















*Rubus odoratus*





*Ilex verticillata*



*Ilex verticillata* 'Red Sprite'







*Iles (Nemopanthus) mucronatus*



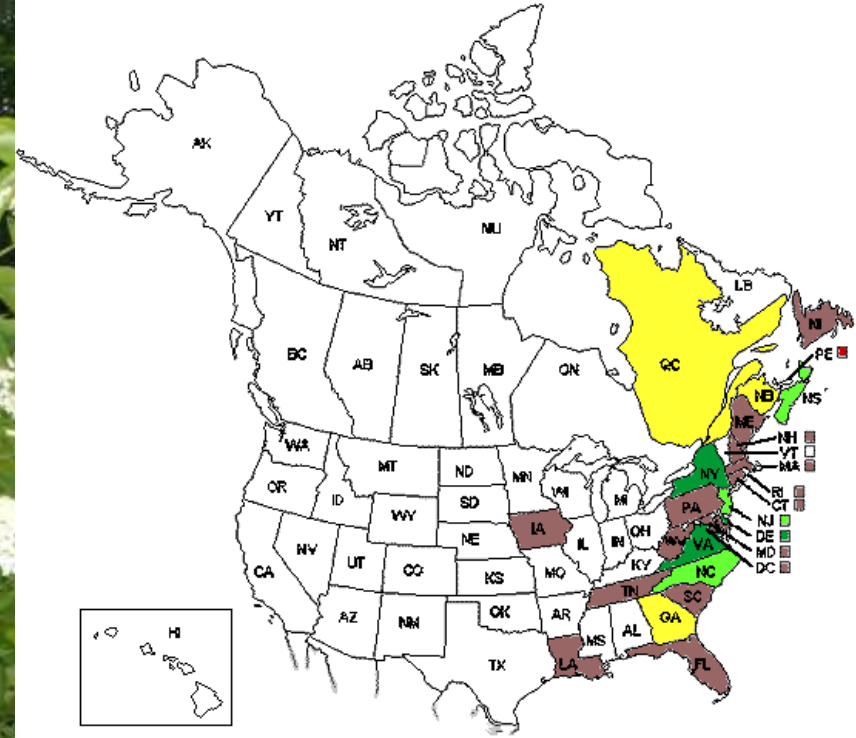






*Viburnum lentago*





*Sambucus nigra ssp.  
canadensis*





*Sambucus racemosa ssp pubens*

















*Cornus amomum*





*Cornus racemosa*









*Vaccinium corymbosum*







*Vaccinium angustifolium*









L horizon – Leaf litter

F horizon –  
Decomposing organic  
residues

H horizon – completely  
decomposed organics

A horizon – blend decomposed  
Organics and mineral soil

B horizon – mineral soil

C horizon - bedrock





*Gaylussacia baccata*









*Hamamelis virginiana*















‘Mohonk Red’





‘Little Suzie’



*Fothergilla major*













*Fothergilla* 'Mount Airy'



'Blue Shadow'

















*Clethra alnifolia*



















'Sixteen Candles'



*Clethra* 'September Beauty'





*Spiraea tomentosa*















*Vines*



*Celastrus scandens*





*Parthenocissus quinquefolia*







*Clematis virginiana*





*Lonicera hirsuta*





*Lonicera sempervirens* 'Major Wheeler'





*Grasses and Ferns*





*Miscanthus sinensis* becoming invasive





*Panicum virgatum*  
'Shenandoah'





*Panicum* 'Heavy Metal'







*Schizachyrium scoparium*















*Carex pensylvanica*











*Dennstaedtia punctilobula*







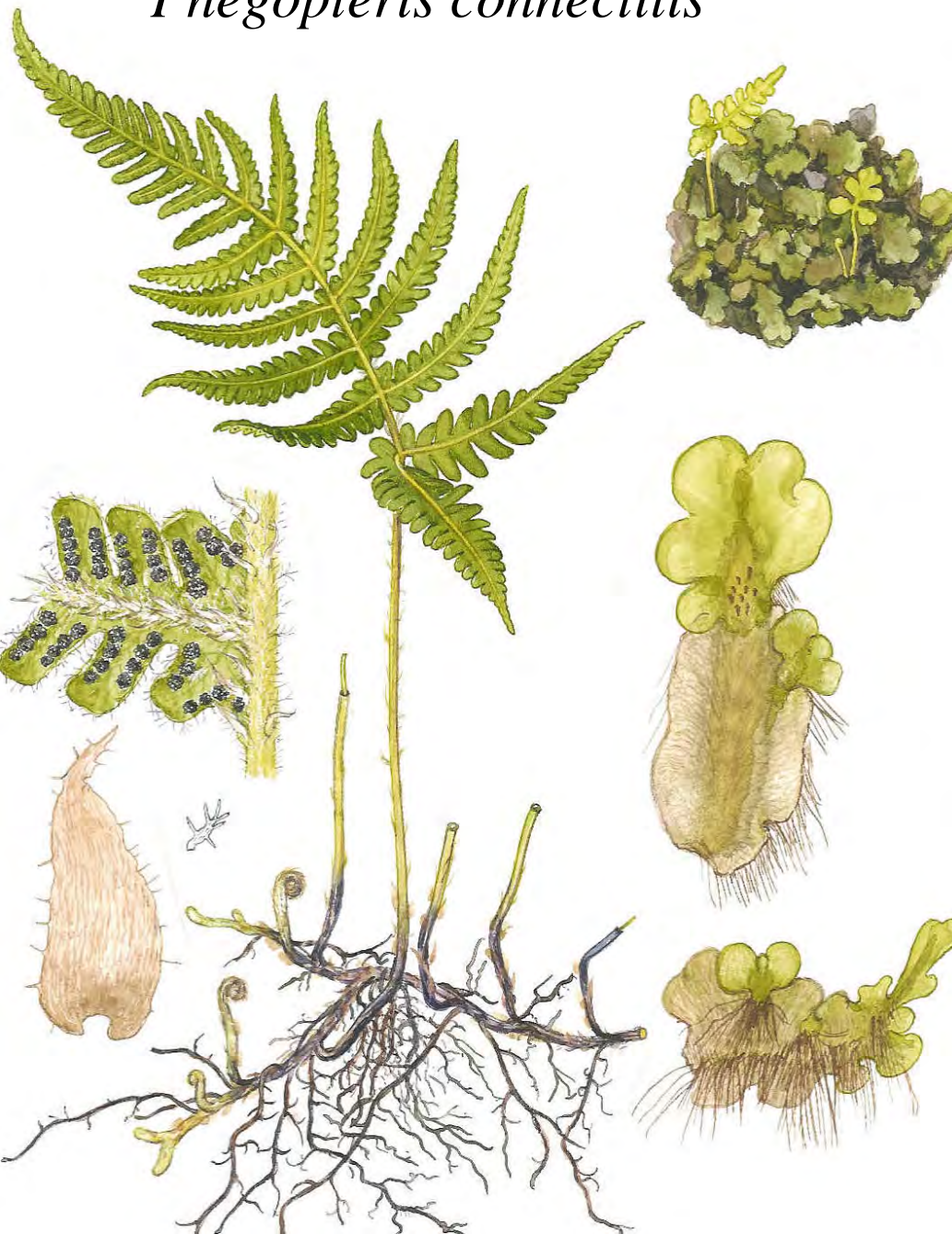








*Phegopteris connectilis*









# *Perennials*





Purple loosestrife, dames rocket  
and Himalayan jewelweed





*Liatris pycnostachya*







*Liatris scariosa* var. *novae-angliae*





*Liatris ligulistylis*









*Asclepias incarnata*





*Phlox paniculata*





*Phlox paniculata* 'Danielle'



‘Fascination’



*Veronicastrum virginicum*





*Actaea racemosa*













*Iris virginica*

















*Symphotrichum (Aster) novae-angliae*



*'Alma Potschke'*







‘Chilly Winds’





‘Purple Dome’





*Aster novi-belgii*



*Aster (Doellingeria)*  
*umbellata*







*Thanks*

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Bill Cullina

[www.maine Gardens.org](http://www.maine Gardens.org)

