

DFW Pre-Harvest Flora  
Phillipston WMA, Phillipston Massachusetts  
Date of survey: 7/23/06  
Surveyed by Private Contractor  
Location of lot(s): West of Williamsville Road

#### General description and setting

Two stands are marked for harvest, with a vernal pool/wetland separating the marked stands. The vegetation is similar in the two stands and they have been inventoried together. The canopy is dominated by white pine, with mixed hardwoods very common in the subcanopy and occasionally reaching canopy height. The parcel is laced with stone walls and was clearly an active agricultural area in the 19<sup>th</sup> Century. Occasional huge shade trees persist (and have been retained) along stone walls and near old building foundations along Williamsville Road. In the accompanying species list, quantitative values for the canopy layer include hardwoods that may technically be in the sub-canopy.

#### Significant Flora and Habitats

The flora is generally comprised of regionally common species. No significant habitats were encountered within the marked stands. However, one small area around an old house foundation has a small population (12 individuals) of the grape fern *Botrychium matricariifolia*, a State Watch-list species. This same area has an abundance of bloodroot (*Sanguinaria canadensis*); a species that, although not rare statewide, is uncommon in northern Worcester County and typically associated with rich mesic sites. Old shade trees, persistent since the time of occupancy are also found (and retained) within this area.

#### Invasive Species

Non-native invasive species are absent from the site.

# WMA Pre-harvest Floras

Phillipston WMA

Survey by Private Contractor, July 2006

Marked Lot; Harvest Area

<i>Latin Name</i>	<i>Common Name</i>	<i>Stratum</i> <sup>1</sup>	<i>Freq.</i> <sup>2</sup>	<i>Cover</i> <sup>3</sup>	<i>Growth Form</i>
<i>Acer rubrum</i>	red maple	C	2	2	Tree
<i>Acer saccharum</i>	sugar maple	C	1	1	Tree, Shrub
<i>Betula lenta</i>	sweet birch	C	1	1	Tree
<i>Betula papyrifera</i>	paper birch	C	1	1	Tree
<i>Fagus grandifolia</i>	American beech	C	1	1	Tree
<i>Fraxinus americana</i>	white ash	C	1	2	Tree
<i>Picea rubens</i>	red spruce	C	1	1	Tree
<i>Pinus strobus</i>	eastern white pine	C	3	2	Tree
<i>Prunus serotina</i>	black cherry	C	1	1	Tree, Shrub
<i>Quercus rubra</i>	northern red oak	C	1	2	Tree
<i>Abies balsamea</i>	balsam fir	U	1	1	Tree
<i>Acer pensylvanicum</i>	striped maple	U	2	2	Tree, Shrub
<i>Acer rubrum</i>	red maple	U	3	2	Tree
<i>Acer saccharum</i>	sugar maple	U	1	1	Tree, Shrub
<i>Acer spicatum</i>	mountain maple	U	1	1	Tree, Shrub
<i>Aralia nudicaulis</i>	wild sarsaparilla	U	3	2	Subshrub, Shrub, Forb/herb
<i>Arisaema triphyllum</i>	Jack in the pulpit	U	1	1	Forb/herb
<i>Aster acuminatus</i>	Aster	U	1	1	Forb/herb
<i>Betula alleghaniensis</i>	yellow birch	U	2	1	Tree
<i>Betula lenta</i>	sweet birch	U	2	1	Tree
<i>Betula papyrifera</i>	paper birch	U	1	1	Tree
<i>Botrychium matricariifolium</i>	matricary grapefern	U	1	1	Forb/herb
<i>Brachyelytrum septentrionale</i>	northern shorthusk	U	1	1	Graminoid
<i>Carex swanii</i>	Swan's sedge	U	1	1	Graminoid
<i>Castanea dentata</i>	American chestnut	U	1	1	Tree
<i>Clintonia borealis</i>	bluebead	U	1	1	Forb/herb
<i>Cornus canadensis</i>	bunchberry dogwood	U	1	1	Subshrub, Shrub, Forb/herb
<i>Corylus cornuta</i>	beaked hazelnut	U	1	1	Tree, Shrub
<i>Cypripedium acaule</i>	moccasin flower	U	1	1	Forb/herb
<i>Dennstaedtia punctilobula</i>	eastern hayscented fern	U	2	2	Forb/herb
<i>Diervilla lonicera</i>	northern bush honeysuckle	U	1	1	Shrub
<i>Diphasiastrum digitatum</i>	clubmoss	U	1	1	
<i>Dryopteris intermedia</i>	intermediate woodfern	U	2	2	Forb/herb
<i>Dryopteris marginalis</i>	marginal woodfern	U	1	1	Forb/herb
<i>Fagus grandifolia</i>	American beech	U	1	1	Tree
<i>Gaultheria procumbens</i>	eastern teaberry	U	1	1	Subshrub, Shrub
<i>Geranium maculatum</i>	spotted geranium	U	1	1	Forb/herb
<i>Juniperus virginiana</i>	eastern redcedar	U	1	1	Tree
<i>Kalmia latifolia</i>	mountain laurel	U	1	1	Tree, Shrub
<i>Lycopodium annotinum</i>	stiff clubmoss	U	2	1	Subshrub, Shrub
<i>Lycopodium clavatum</i>	running clubmoss	U	1	1	Subshrub, Shrub
<i>Lycopodium hickeyi</i>	Pennsylvania clubmoss	U	2	1	Subshrub, Forb/herb
<i>Lycopodium obscurum</i>	rare clubmoss	U	2	2	Subshrub, Shrub
<i>Maianthemum canadense</i>	Canada mayflower	U	3	2	Forb/herb
<i>Maianthemum racemosum</i>	feathery false lily of the vally	U	1	1	Forb/herb
<i>Medeola virginiana</i>	Indian cucumber	U	1	1	Forb/herb
<i>Mitchella repens</i>	partridgeberry	U	1	1	Subshrub, Shrub, Forb/herb
<i>Monotropa hypopithys</i>	pinemap	U	1	1	Forb/herb
<i>Monotropa uniflora</i>	Indianpipe	U	1	1	Forb/herb
<i>Nemopanthus mucronatus</i>	mountain holly	U	1	1	Tree, Shrub
<i>Osmunda cinnamomea</i>	cinnamon fern	U	1	1	Forb/herb
<i>Osmunda claytoniana</i>	interrupted fern	U	1	1	Forb/herb
<i>Parthenocissus quinquefolia</i>	Virginia creeper	U	1	1	Vine
<i>Picea rubens</i>	red spruce	U	1	1	Tree
<i>Pinus strobus</i>	eastern white pine	U	1	1	Tree
<i>Polygonatum pubescens</i>	hairy Solomon's seal	U	1	1	Forb/herb
<i>Polypodium virginianum</i>	rock polypody	U	1	1	Forb/herb
<i>Prunus serotina</i>	black cherry	U	1	1	Tree, Shrub
<i>Prunus virginiana</i>	chokecherry	U	1	1	Tree, Shrub
<i>Pteridium aquilinum var. latiusculum</i>	western brackenfern	U	2	1	Forb/herb
<i>Pyrola elliptica</i>	waxflower shinleaf	U	1	1	Subshrub, Shrub
<i>Quercus alba</i>	white oak	U	1	1	Tree
<i>Quercus rubra</i>	northern red oak	U	1	1	Tree
<i>Quercus velutina</i>	black oak	U	1	1	Tree
<i>Rhododendron periclymenoides</i>	pink azalea	U	1	1	Shrub

<i>Rubus flagellaris</i>	northern dewberry	U	1	1	Shrub
<i>Sanguinaria canadensis</i>	bloodroot	U	1	1	Forb/herb
<i>Taxus canadensis</i>	Canada yew	U	1	1	Shrub
<i>Thelypteris noveboracensis</i>	New York fern	U	1	1	Forb/herb
<i>Trientalis borealis</i>	starflower	U	3	1	Forb/herb
<i>Tsuga canadensis</i>	eastern hemlock	U	2	2	Tree
<i>Vaccinium angustifolium</i>	lowbush blueberry	U	1	2	Subshrub, Shrub
<i>Vaccinium corymbosum</i>	highbush blueberry	U	1	1	Shrub
<i>Viburnum acerifolium</i>	mapleleaf viburnum	U	1	1	Shrub
<i>Viburnum dentatum</i> var. <i>lucidum</i>	southern arrowwood	U	1	1	Tree, Shrub
<i>Viburnum nudum</i> var. <i>cassinoides</i>	withe-rod	U	1	1	Tree, Shrub
<i>Zizia aurea</i>	golden zizia	U	1	1	Forb/herb

## Wetlands and Buffers

<i>Abies balsamea</i>	balsam fir	U			Tree
<i>Carex debilis</i> var. <i>rudgei</i>	white edge sedge	U			Graminoid
<i>Carex trisperma</i>	threeseeded sedge	U			Graminoid
<i>Coptis trifolia</i> ssp. <i>groenlandica</i>	goldthread	U			Subshrub
<i>Ilex verticillata</i>	common winterberry	U			Tree, Shrub
<i>Lysimachia terrestris</i>	earth loosestrife	U			Forb/herb
<i>Nemopanthus mucronatus</i>	catberry	U			Tree, Shrub
<i>Onoclea sensibilis</i>	sensitive fern	U			Forb/herb
<i>Osmunda cinnamomea</i>	cinnamon fern	U			Forb/herb
<i>Osmunda regalis</i> var. <i>spectabilis</i>	royal fern	U			Forb/herb
<i>Picea rubens</i>	red spruce	U			Tree
<i>Rubus pubescens</i>	dwarf red blackberry	U			Subshrub, Shrub, Forb/herb
<i>Scutellaria lateriflora</i>	blue skullcap	U			Forb/herb
<i>Sium suave</i>	hemlock waterparsnip	U			Forb/herb
<i>Spiraea alba</i> var. <i>latifolia</i>	white meadowsweet	U			Shrub
<i>Thelypteris palustris</i> var. <i>pubescens</i>	eastern marsh fern	U			Forb/herb
<i>Thelypteris simulata</i>	bog fern	U			Forb/herb
<i>Toxicodendron radicans</i>	eastern poison ivy	U			Shrub, Subshrub, Vine
<i>Trillium undulatum</i>	painted trillium	U			Forb/herb
<i>Vaccinium corymbosum</i>	highbush blueberry	U			Shrub

<sup>1</sup>C = Canopy (Overstory), U = Understory

<sup>2</sup>1 = Occasional, 2 = Common, 3 = Abundant

<sup>3</sup>1 = Sparse, 2 = Moderate, 3 = Dense