

DFW Pre-Harvest Flora

Peru WMA, Tracy Pond Section, Peru Massachusetts

Date of survey: 7/14/06

Surveyed by independent contractor

Location of lot(s): South of Middlefield Road, north of South Street.

General description and setting

The stand is a Norway spruce plantation on a low hill with a seasonal stream and associated forested wetlands at the base of the hill along Middlefield Road. Two stands have been delineated as ST-1 and ST-2 on the cutting-plan map. ST-2 includes wetlands and a filter strip, which have not been marked for harvest. For convenience, the marked portions of ST-1 and ST-2 have been inventoried as a single floristic unit; the wetlands and buffer strip have been inventoried separately.

Large Norway spruce form a more-or-less unbroken canopy throughout the stand. Occasional white pine and various hardwood species including black cherry and white ash occupy gaps in the spruce canopy. The understory and herb layers are well developed and diverse given the evergreen canopy. The flora is composed of regionally common forest species.

Significant Flora and Habitats

No rare or unusual species, significant habitat types, or priority natural communities were found.

Invasive Species

Three individual stems of shining buckthorn (*Rhamnus frangula*) were documented (see attached map). No other non-native invasive species were found at the site. Note: Buckthorn stems were cut and herbicide was applied to the cut stem by a licensed applicator prior to the start of the harvest.

WMA Pre-harvest Floras

Peru WMA, Tracy Pond Section

Survey by Private Contractor, July 2006

Norway Spruce ST-1 and ST-2

<i>Latin Name</i>	<i>Common Name</i>	<i>Stratum</i> ¹	<i>Freq.</i> ²	<i>Cover</i> ³	<i>Growth Form</i>
<i>Acer rubrum</i>	red maple	C	1	1	Tree
<i>Betula alleghaniensis</i>	yellow 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>Picea abies</i>	Norway spruce	C	3	3	Tree
<i>Pinus strobus</i>	eastern white pine	C	2	1	Tree
<i>Prunus serotina</i>	black cherry	C	1	1	Tree, Shrub
<i>Abies balsamea</i>	balsam fir	U	2	1	Tree
<i>Acer pensylvanicum</i>	striped maple	U	3	1	Tree, Shrub
<i>Acer rubrum</i>	red maple	U	3	1	Tree
<i>Acer spicatum</i>	mountain maple	U	1	1	Tree, Shrub
<i>Aralia nudicaulis</i>	wild sarsaparilla	U	1	1	Subshrub, Shrub,
<i>Betula alleghaniensis</i>	yellow birch	U	2	1	Tree
<i>Betula papyrifera</i>	paper birch	U	1	1	Tree
<i>Carex appalachica</i>	Appalachian sedge	U	2	1	Graminoid
<i>Carex debilis</i> var. <i>rudgei</i>	white edge sedge	U	2	1	Graminoid
<i>Carex novae-angliae</i>	New England sedge	U	2	1	Graminoid
<i>Clematis virginiana</i>	devil's darning needles	U	1	1	Vine, Subshrub
<i>Clintonia borealis</i>	bluebead	U	1	1	Forb/herb
<i>Coptis trifolia</i> ssp. <i>groenlandica</i>	goldthread	U	2	2	Subshrub
<i>Corylus cornuta</i>	beaked hazelnut	U	1	1	Tree, Shrub
<i>Danthonia spicata</i>	poverty oatgrass	U	1	1	Graminoid
<i>Dennstaedtia punctilobula</i>	eastern hayscented fern	U	2	3	Forb/herb
<i>Diphasiastrum digitatum</i>	Clubmoss	U	1	1	
<i>Dryopteris intermedia</i>	intermediate woodfern	U	3	2	Forb/herb
<i>Fagus grandifolia</i>	American beech	U	3	1	Tree
<i>Fraxinus americana</i>	white ash	U	1	1	Tree
<i>Ilex verticillata</i>	common winterberry	U	1	1	Tree, Shrub
<i>Lycopodium annotinum</i>	stiff clubmoss	U	1	1	Subshrub, Shrub
<i>Lycopodium obscurum</i>	rare clubmoss	U	1	1	Subshrub, Shrub
<i>Maianthemum canadense</i>	Canada mayflower	U	3	3	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>Monotropa uniflora</i>	Indianpipe	U	1	1	Forb/herb
<i>Onoclea sensibilis</i>	sensitive fern	U	1	1	Forb/herb
<i>Osmunda cinnamomea</i>	cinnamon fern	U	1	1	Forb/herb
<i>Osmunda claytoniana</i>	interrupted fern	U	1	1	Forb/herb
<i>Oxalis montana</i>	mountain woodsorrel	U	2	2	Forb/herb
<i>Phegopteris hexagonoptera</i>	broad beechfern	U	1	1	Forb/herb
<i>Picea abies</i>	Norway spruce	U	3	1	Tree
<i>Picea rubens</i>	red spruce	U	1	1	Tree
<i>Pinus strobus</i>	eastern white pine	U	2	1	Tree
<i>Populus grandidentata</i>	bigtooth aspen	U	1	1	Tree
<i>Prenanthes altissima</i>	tall rattlesnakeroot	U	1	1	Forb/herb
<i>Prunus serotina</i>	black cherry	U	1	1	Tree, Shrub
<i>Pyrola elliptica</i>	waxflower shinleaf	U	1	1	Subshrub, Shrub
<i>Quercus rubra</i>	northern red oak	U	1	1	Tree
<i>Rhamnus frangula</i>	shining buckthorn	U	1	1	Shrub
<i>Rhododendron prinophyllum</i>	early azalea	U	1	1	Shrub
<i>Rubus allegheniensis</i>	Allegheny blackberry	U	1	1	Shrub
<i>Rubus flagellaris</i>	northern dewberry	U	1	1	Shrub

<i>Rubus idaeus</i>	American red raspberry	U	1	1	Shrub
<i>Sorbus aucuparia</i>	European mountain ash	U	1	1	Tree, Shrub
<i>Thelypteris noveboracensis</i>	New York fern	U	1	1	Forb/herb
<i>Trientalis borealis</i>	starflower	U	2	1	Forb/herb
<i>Trillium erectum</i>	red trillium	U	1	1	Forb/herb
<i>Tsuga canadensis</i>	eastern hemlock	U	1	1	Tree
<i>Uvularia sessilifolia</i>	sessileleaf bellwort	U	1	1	Forb/herb
<i>Vaccinium angustifolium</i>	lowbush blueberry	U	1	1	Subshrub, Shrub
<i>Vaccinium corymbosum</i>	highbush blueberry	U	1	1	Shrub
<i>Viburnum dentatum</i> var. <i>lucidum</i>	southern arrowwood	U	1	1	Tree, Shrub
<i>Viburnum lantanoides</i>	hobblebush	U	1	1	Shrub
<i>Viburnum nudum</i> var. <i>cassinoides</i>	withe-rod	U	1	1	Tree, Shrub

Peru WMA

ST-2 Filter Strip and Wetlands

<i>Acer saccharum</i>	sugar maple	U			Tree, Shrub
<i>Alnus incana</i> ssp. <i>rugosa</i>	speckled alder	U			Tree, Shrub
<i>Arisaema triphyllum</i>	Jack in the pulpit	U			Forb/herb
<i>Carex laxiflora</i>	broad looseflower sedge	U			Graminoid
<i>Circaea alpina</i>	small enchanter's nightshade	U			Forb/herb
<i>Cornus alternifolia</i>	alternatelyleaf dogwood	U			Tree, Shrub
<i>Deparia acrostichoides</i>	silver false spleenwort	U			Forb/herb
<i>Epipactis helleborine</i>	broadleaf helleborine	U			Forb/herb
<i>Equisetum arvense</i>	field horsetail	U			Forb/herb
<i>Glyceria striata</i>	fowl mannagrass	U			Graminoid
<i>Hydrocotyle americana</i>	American marshpennywort	U			Forb/herb
<i>Impatiens capensis</i>	jewelweed	U			Forb/herb
<i>Mitchella repens</i>	partridgeberry	U			Subshrub, Shrub,
<i>Oxalis dillenii</i>	oxalis	U			Forb/Herb
<i>Polystichum acrostichoides</i>	Christmas fern	U			Forb/herb
<i>Prunus virginiana</i>	chokecherry	U			Tree, Shrub
<i>Rubus pubescens</i>	dwarf red blackberry	U			Subshrub, Shrub
<i>Thalictrum pubescens</i>	king of the meadow	U			Forb/herb
<i>Tiarella cordifolia</i>	heartleaf foamflower	U			Forb/herb
<i>Zizia aurea</i>	golden zizia	U			Forb/herb

¹C = Canopy (Overstory), U = Understory

²1 = Occasional, 2 = Common, 3 = Abundant

³1 = Sparse, 2 = Moderate, 3 = Dense