

Table S1: A list of understory herbaceous species found during the flowering period of black cherry

Common name	Family	Genus	Species	Unmanaged stand	Seed-tree stand	Removal stand
Elderberry	Adoxaceae	<i>Sambucus</i>	<i>spp.</i>	X		
Staghorn Sumac	Anacardiaceae	<i>Rhus</i>	<i>typhina</i>	X		
Mountain Holly	Aquifoliaceae	<i>Ilex</i>	<i>montana</i>		X	
Jack-in-the-pulpit	Araceae	<i>Arisaema</i>	<i>triphyllum</i>	X		
Devil's walking stick	Araliaceae	<i>Aralia</i>	<i>spinosa</i>		X	
Dwarf Ginseng	Araliaceae	<i>Panax</i>	<i>trifolius</i>	X		
Canada Mayflower	Asparagaceae	<i>Maianthemum</i>	<i>canadense</i>	X		X
Solomon's seal	Asparagaceae	<i>Polygonatum</i>	<i>pubescens</i>	X		
Goldenrod	Asteraceae	<i>Solidago</i>	<i>spp.</i>		X	
Mayapple	Berberidaceae	<i>Podophyllum</i>	<i>peltatum</i>	X		
Black Birch	Betulaceae	<i>Betula</i>	<i>lenta</i>		X	X
Sessile Bellwort	Colchicaceae	<i>Uvularia</i>	<i>sessilifolia</i>	X		
Sedge	Cyperaceae	<i>Carex</i>	<i>debilis</i>	X	X	X
Pink Ladies Slipper	Cypripedioideae	<i>Cypripedium</i>	<i>acaule</i>	X		
Hay-scented fern	Dennstaedtiaceae	<i>Dennstaedtia</i>	<i>punctilobula</i>			X
Intermediate Wood Fern	Dryopteridaceae	<i>Dryopteris</i>	<i>intermedia</i>	X	X	X
American Beech	Fagaceae	<i>Fagus</i>	<i>grandifolia</i>	X	X	X
Indian Cucumber Root	Liliaceae	<i>Medeola</i>	<i>virginiana</i>	X	X	
Trout Lily	Liliaceae	<i>Erythronium</i>	<i>americanum</i>	X		
Creeping Ground cedar	Lycopodiaceae	<i>Diphasiastrum</i>	<i>digatatum</i>	X		X
Ground Pine	Lycopodiaceae	<i>Lycopodium</i>	<i>dendroideum</i>		X	
Ground Pine	Lycopodiaceae	<i>Lycopodium</i>	<i>obscurum</i>	X	X	
Running Ground Cedar	Lycopodiaceae	<i>Diphasiastrum</i>	<i>digatatum</i>			X
Shining clubmoss	Lycopodiaceae	<i>Huperzia</i>	<i>lucidula</i>	X		
Cucumber Magnolia	Magnoliaceae	<i>Magnolia</i>	<i>acuminata</i>	X	X	X
Tulip tree	Magnoliaceae	<i>Liriodendron</i>	<i>tulipifera</i>	X	X	X
Painted Trillium	Melanthiaceae	<i>Trillium</i>	<i>undulatum</i>	X	X	
White trillium	Melanthiaceae	<i>Trillium</i>	<i>grandiflora</i>	X		
Green Ash	Oleaceae	<i>Fraxinus</i>	<i>americana</i>		X	
Beechdrops	Orobanchaceae	<i>Epifagus</i>	<i>virginiana</i>	X		
Cinnamon Fern	Osmundaceae	<i>Osmunda</i>	<i>cinnamomea</i>	X		
Wood Sorrel	Oxalidaceae	<i>Oxalis</i>	<i>montana</i>	X		
Eastern Hemlock	Pinaceae	<i>Tsuga</i>	<i>canadensis</i>	X		
Deer Tongue Grass	Poaceae	<i>Dichanthelium</i>	<i>clandestine</i>	X		X
Short Husk Grass	Poaceae	<i>Brachyelytrum</i>	<i>erectum</i>	X		X
Starflower	Primulaceae	<i>Trientilla</i>	<i>borealis</i>	X		
Blackberry	Rosaceae	<i>Rubus</i>	<i>allegheniensis</i>	X		X
Bristly Dewberry	Rosaceae	<i>Rubus</i>	<i>hispidus</i>	X		
Pin Cherry	Rosaceae	<i>Prunus</i>	<i>pensylvanica</i>		X	X
Raspberry	Rosaceae	<i>Rubus</i>	<i>idaeus</i>	X		
Serviceberry	Rosaceae	<i>Amelanchier</i>	<i>arborea</i>	X	X	
Black Cherry	Rosaceae	<i>Prunus</i>	<i>serotina</i>	X	X	X
Chokecherry	Rosaceae	<i>Prunus</i>	<i>virginiana</i>		X	
Partridgeberry	Rubiaceae	<i>Mitella</i>	<i>repens</i>	X		
Red Maple	Sapindaceae	<i>Acer</i>	<i>rubrum</i>	X	X	X
Striped Maple	Sapindaceae	<i>Acer</i>	<i>pensylvanicum</i>	X	X	
New York Fern	Thelypteridaceae	<i>Thelypteris</i>	<i>noveboracensis</i>	X		X
Round leaved violet	Violaceae	<i>Viola</i>	<i>rotundifolia</i>	X	X	
Sweet White Violet	Violaceae	<i>Viola</i>	<i>blanda</i>	X	X	X