

Table 7. Horizontal Distribution of HERBACEOUS and SHRUB Species (see slides “25popsuccession”).

		HORIZONTAL DISTRIBUTION			GROWTH FORM			
COMMON NAME	SCIENTIFIC NAME	Open Field	Ecotone or Edge	Inside Forest	1 YR	2 YR	Herb Per.	Wdy. Shrb.
Darba, Whitlowgrass	<i>Draba verna</i>	X			X			
Common Chickweed	<i>Stellaria media</i>	X			X			
Purple Dead Nettle	<i>Lamium purpureum</i>	X			X			
Queen Anne's Lace	<i>Daucus carota</i>	X	X			X		
Teasle	<i>Dipsacus sylvestris</i>	X				X		
Shepherd's Purse	<i>Capsella bursa-pastoris</i>	X			X	X		
Blue Violet	<i>Viola papilionacea</i>	X	X				X	
Spring Beauty	<i>Claytonia virginica</i>	X	X	X			X	
Wild Blue Phlox	<i>Phlox divaricata</i>	X	X				X	
Trout Lily	<i>Erythronium americanum</i>		X	X				
Mayapple	<i>Podophyllum peltatum</i>	X	X	X			X	
Wild Columbine	<i>Aquilegia canadensis</i>	Bedrock outcrops		X			X	
Brambles	<i>Rubus sp.</i>		X					X
Multiflora Rose	<i>Rosa multiflora</i>		X					X
Plants of the Xeric West-Facing Rim Habitats:		Habitat Description			Comments:			
Reindeer Moss (Lichen)	<i>Cladonia sp.</i>	Shallow, acidic soil; rocks			Major food for arctic grazers			
Trailing Arbutus	<i>Epigaea repens</i>	Shallow, acidic soil; rocks			Fragrant flowers; Heath Family			
Mountain Laurel	<i>Kalmia latifolia</i>	As above; thick waxy leaf			Lg. shrub; toxic to sheep; Heath			
Black Huckleberry	<i>Gaylussacia baccata</i>	As above; resinous leaves			Low shrub; delic. berries; Heath			
Teaberry: Wintergreen	<i>Gaultheria procumbens</i>	As above; resinous leaves			Tiny shrub; delic. berry; Heath			
Greenbriar	<i>Smilax sp.</i>	Spiny, shrub/vine			Green, spiny stems; tangles			
Pink Lady's Slipper	<i>Cypripedium acaule</i>	Acidic soils			Showy orchid; Orchid Family			
Miscellaneous: Many species of moss, lichens, ferns that are adapted to the xeric conditions								

Table 8. Elevational Zonation and Shade Tolerance of TREE SPECIES.

COMMON NAME	SCIENTIFIC NAME	ELEVATIONAL DISTRIBUTION			SHADE TOLERANCE		
		Valley, or Lower Slope	Midslope or Sheltered	Ridge Tops Ledges	Shade Intol.	Moder	Shade Toler.
Virginia (Scrub) Pine	<i>Pinus virginiana</i>		X	X	X		
Pitch Pine	<i>Pinus rigida</i>		X	X	X		
Eastern White Pine	<i>Pinus strobus</i>			X		X	
Black Cherry	<i>Prunus serotina</i>	X	X	X			seedling
Sassifras	<i>Sassifras albidum</i>		X	X	adult		young
Shagbark Hickory	<i>Carya ovata</i>	X	X			X	seedling
White Ash	<i>Fraxinus americans</i>		X		X		
Hawthorne	<i>Crataegus sp.</i>	X	X			X	
Tuliptree, Yellow Poplar	<i>Liriodendron tulipifera</i>	X	X		X		
Sweet Birch	<i>Betula lenta</i>	X	X		X		
Yellow Birch	<i>Betula alleghaniensis</i>	X	X			X	
River Birch	<i>Betula nigra</i>	Riparian			X		
Sycamore	<i>Platanus occidentalis</i>	Riparian					
Chestnut Oak	<i>Quercus prinus</i>			X		X	
Flowering Dogwood	<i>Cornus florida</i>	X	X				X
American Hornbeam	<i>Carpinus caroliniana</i>	X					X
Eastern Hemlock	<i>Tsuga canadensis</i>	X	X	X			X
Sugar Maple	<i>Acer saccharum</i>	X					X
Red Maple	<i>Acer rubrum</i>	X	X				X
American Beech	<i>Fagus grandifolia</i>	X	X				X

Table 4. Distribution and Interactions of ANIMAL Species.

HORIZONTAL DISTRIBUTION

COMMON NAME	Open Field	Ecotone or Edge	Inside Forest	Description of animal-plant or animal-environment interactions
Killdeer	X			
Meadowlark	X			
Red-Tailed Hawk	X	X		
Redwing	X	X		
Field Sparrow	X	X		
Carolina Wren		X		
Indigo Bunting		Edge		
Towhee		X		"Drink yer tea"
Cottontail Rabbit	X	X		
Tufted Titmouse		X	X	
Wood Thrush			X	Beautiful flute-like music
Piliated Woodpecker			X	Old growth forest
Salamander ??				Streamside, vernal pools
Common Toad ??				Streamside, vernal pools

Instructions: Check ( / ) appropriate column to indicate horizontal distribution of each animal species observed. Interactions include nesting or burrowing sites, perching and audible communication, food sources, and feeding or predatory activity.

GENERAL FIELD NOTES: