

Table C-3
Ecological and Silvicultural Characteristics

+ Characteristic/preferred
= tolerant

Plant Name Common Name	Region			Wildlife Value				Growth Rate					Size		Rooting
	C. Plain	Pledmon	MTNS.	V. High	High	Med.	Low	V. Fast	Fast	Med.	Slow	>75'	50-75'	<50'	
RIPARIAN CANOPY															
Swamp white Cedar	+					+				+	+		+		shallow
Bald oypress	+	+					+			+		+			shallow
Black Willow	=	+	+		+			+					+		shallow
E. Cottonwood		+	+				+		+			+			shallow
Red Maple	+	+	+	+					+	+			+		v. shallow
Sugar Maple	+	+	+	+											
Swamp white oak	+	+			+				+	+		+			shallow
Blackgum	+	+	+			+				+				+	Taproot
Green ash	=	+	+				+	+					+		shallow
Silver Maple	+	+	+	+				+		+		+			v. shallow
SyCamore	+	+					+	+					+		shallow
River birch	+	+	+	+					+				+		shallow
Grey birch	+	+	+	+											
Yellow birch	+	+	+	+											
Pin oak	+	+			+				+	+		+			
Willow oak	+	+			+				+	+		+			shallow
Hackberry	+	+	+	+					+	+		+			deep lateral

WATER

Plant Name Common Name	Region			Wildlife Value				Growth Rate					Size		Rooting
	C. Plain	Pledmon	MTNS.	V. High	High	Med.	Low	V. Fast	Fast	Med.	Slow	>75'	50-75'	<50'	
Pitch Pine	+						+			+	+			+	shallow
American beech	+	+			+					+	+	+			shallow
Sweetgum	+	+					+			+			+		deep taproot
Black walnut	=	+	+				+		+			+			taproot
Bitternut hickory	+	+	=			+				+	+	+			deep taproot
Persimmon	+	+			+							+		+	deep taproot
White ash	=	+	+				+			+		+			shallow
Tulip poplar	+	+	+				+		+	+		+			shallow/deep
White oak	=	+	+	+	+							+	+		deep taproot
Red oak	=	+	+		+							+	+		deep lateral
Basswood		+	+				+			+			+		deep lateral
American Holly															
Eastern Red Cedar	+	+	+	+									+		
Shagbark hickory	+	+	+												
Smooth hickory	+	+	+		+										
RIPARIAN UNDERSTORY												>40'	40-30'	<30'	
Box elder	=	+	+	+				+				+			deep lateral
Common elder		+	+			+			+					+	shallow
Sweet bay	+	+					+			+				+	deep lateral
Black Haw		+	+		+					+				+	shallow

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	C. Plain	Pledmon	MTNS.	V. High	High	Med.	Low	V. Fast	Fast	Med.	Slow	>75'	50-75'	<50'	
Possumhaw	=	+	+		+					+	+			+	shallow
Witch hazel		+	+				+			+			+		deep lateral
Shadblow		+	+		+								+		shallow
Pawpaw		+		+									+		deep lateral
Hombeam		+	+	+									+		deep lateral
Redbud		+	+				+		+	+			+		shallow
Flowering Dogwood		+	+			+							+		shallow
RIPARIAN SHRUBS															
Buttonbush	+	+	+				+			+			+		shallow
Pussy willow		+	+		+				+			+			shallow
Sweet pepperbush	+	+			+					+	+		+		shallow
Swamp azalea	+	+					+			+		+			shallow
Winterberry	+	+			+							+	+		shallow
Arrowwood	+	+	+		+					+		+			shallow
Highbush blueberry	+	+		+								+		+	shallow
Elderberry	+	+	+	+					+			+			shallow
Virginia sweetspire		+	+				+			+	+			+	shallow
Inkberry	+	=			+							+		+	shallow
Swamp leucothoe	+	+					+					+		+	shallow
Pinxterbloom azalea	+	+					+					+	+		shallow
Bayberry	+				+					+			+		shallow

WATER

Plant Name Common Name	Region			Wildlife Value				Growth Rate				Size			Rooting
	C. Plain	Pledmon	MTNS.	V. High	High	Med.	Low	V. Fast	Fast	Med.	Slow	>75'	50-75'	<50'	
Silky dogwood		+	+	+					+				+		shallow
Common ninebark	+	+				+			+					+	shallow
Red chokeberry	+					+					+			+	shallow
Spicebush	+	+	+	+							+		+		deep lateral
Grey dogwood		+	+	+						+			+		shallow
Rosebay Rhododendron	+	+	+				+				+	+			shallow
Mapleleaf viburnum		+	+		+					+	+		+		shallow
Red osier dogwood	=	+	+	+	+									+	
Smooth sumac					+									+	
Staghorn sumac	+	+	+		+									+	
Nanny berry		+	+		+									+	
Blackhaw viburnum					+									+	
FORBS AND FERNS												>6'	3-6'	>3'	
Jewelweed	+	+	+		+					+			+		annual
												>6'	3-6'	<3'	
Smartweed	+	+			+				+					+	annual
Royal Fern		+	+				+		+					+	fern
Sensitive Fern		+	+				+		+					+	fern
Joe Pye Weed	+	+	+			+			+				+		perennial
Swamp Dewberry	=	+	+		+				+					+	perennial

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	C. Plain	Pledmon	MTNS.	V. High	High	Med.	Low	V. Fast	Fast	Med.	Slow	>75'	50-75'	<50'	
Thimbleberry	=	+	+		+				+				+		perennial
Raspberry	=	+	+		+				+				+		perennial
GRASSES												>6'	3-6'	<3'	
Switchgrass	=	+	+	+					+				+		warm, clump
E. Gamagrass	+	+		+					+				+		warm, clump
Field Bromegrass	=	+	+		+				+					+	w. annual
Fowl Meadowgrass	=	+	+		+				+					+	cold, sod
Deertongue	=	+	+		+				+					+	warm, clump
Tall fescue	=	+	+			+			+					+	cold, sod
Indiangrass	=	+	+		+				+			+			warm, sod
Purpletop	=	+	+		+				+				+		warm, clump
Big Bluestem	=	+	+		+					+		+			Warm, clump
Little Bluestem	=	+	+		+					+				+	Warm, clump

Source: Adapted with modifications from Palone and Todd (draft).

