



## **APPENDIX GG1**

### **Tier 2 Biological Assessment**

#### **Appendices I to W**

#### **Tier 2 Environmental Impact Statement**

#### **I-69 Section 6**

#### **Martinsville to Indianapolis**

Appendices I - V have been removed in their entirety

# **Appendix W**

## **IDNR Tree List**

## Woody Riparian Vegetation

Common name	Species name	Region 3 status	Type of plant	Tree, Shrub, Vine	Coefficient of Conservatism	Comment	Region (N, C, S)
Box Elder	<i>Acer negundo</i>	FAC	Large Understory Tree	T	1	Only occasionally recommended	N, C, S
Black Maple	<i>Acer nigrum</i>	FACU	Large Canopy Tree	T	6		N, C, S
Red Maple	<i>Acer rubrum</i>	FAC	Large Canopy Tree	T	5		N, C, S
Silver Maple	<i>Acer saccharinum</i>	FACW	Large Canopy Tree	T	1	Only occasionally recommended	N, C, S
Sugar Maple	<i>Acer saccharum</i>	FACU	Large Canopy Tree	T	4		N, C, S
Ohio Buckeye	<i>Aesculus glabra</i>	FAC	Large Understory Tree	T	5		N, C, S
Indigobush	<i>Amorpha fruticosa</i>	FACW-	Medium Shrub	S	3		S
Common Paw Paw	<i>Asimina triloba</i>	FAC	Small Understory Tree	T	6		N, C, S
River Birch	<i>Betula nigra</i>	FACW	Small Canopy Tree	T	2		N, S
American Hornbeam	<i>Carpinus caroliniana</i>	FAC	Medium Understory Tree	T	5		N, C, S
Bitternut Hickory	<i>Carya cordiformis</i>	FACU	Large Canopy Tree	T	5		N, C, S
Pecan	<i>Carya illinoensis</i>	FACW	Large Canopy Tree	T	4	Extreme southwestern counties	S*
Shellbark Hickory	<i>Carya laciniosa</i>	FACW	Large Canopy Tree	T	8		N, C, S
Shagbark Hickory	<i>Carya ovata</i>	FACU	Large Canopy Tree	T	4		N, C, S
Sugarberry	<i>Celtis laevigata</i>	FACW	Large Understory Tree	T	7		S
Hackberry	<i>Celtis occidentalis</i>	FAC	Large Canopy Tree	T	3		N, C, S
Buttonbush	<i>Cephalanthus occidentalis</i>	OBL	Medium Shrub	S	5		N, C, S
Redbud	<i>Cercis canadensis</i>	FACU	Small Understory Tree	T	3		N, C, S
Alternate-leaf Dogwood	<i>Cornus alternifolia</i>	FAC	Small Understory Tree	T	8		N, C, S
Roughleaf Dogwood	<i>Cornus drummondii</i>	FAC	Medium Shrub	S	2		N, C, S
Flowering Dogwood	<i>Cornus florida</i>	FACU	Small Understory Tree	T	4	Susceptible to dogwood anthracnose	N, C, S
Pale Dogwood (formally Silky Dogwood)	<i>Cornus obliqua</i>	FACW	Medium Shrub	S	5		N, C, S
Gray Dogwood	<i>Cornus racemosa</i>	FAC	Medium Shrub	S	2		N, C, S
Red-osier Dogwood	<i>Cornus sericea</i> (aka ( <i>C. alba</i> ))	FACW	Medium Shrub	S	4		N
Hazelnut	<i>Corylus americana</i>	FACU	Medium Shrub	S	4		N, C, S

Cockspur Hawthorn	<i>Crataegus crus-galli</i>	FAC	Small Understory Tree	T	4		N, C, S
Downy Hawthorn	<i>Crataegus mollis</i>	FAC	Small Understory Tree	T	2		N, C, S
Dotted hawthorn	<i>Crataegus punctata</i>		Small Understory Tree	T	2	Okay in floodplains; not in extreme southwestern counties	N, C, S
Persimmon	<i>Diospyros virginiana</i>	FAC	Medium Understory Tree	T	2		S
American Beech	<i>Fagus grandifolia</i>	FACU	Large Canopy Tree	T	8		N, C, S
Honey Locust	<i>Gleditsia triacanthos</i>	FACU	Small Canopy Tree	T	1		N, C, S
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>		Large Canopy Tree	T	4		N, C, S
Witch Hazel	<i>Hamamelis virginiana</i>	FACU	Medium Shrub	S	5		N, C, S
Smooth Hydrangea	<i>Hydrangea arborescens</i>	FACU	Small Shrub	S	7		N, C, S
Common Winterberry	<i>Ilex verticillata</i>	FACW	Medium Shrub	S	8		N, C, S
Butternut (White Walnut)	<i>Juglans cinerea</i>	FACU	Small Canopy Tree	T	5	Scattered within range; susceptible to butternut canker	N, C, S
Black Walnut	<i>Juglans nigra</i>	FACU	Large Canopy Tree	T	2		N, C, S
Spicebush	<i>Lindera benzoin</i>	FACW	Medium Shrub	S	5		N, C, S
Sweet Gum	<i>Liquidambar styraciflua</i>	FACW	Large Canopy Tree	T	4		S
Tuliptree	<i>Liriodendron tulipifera</i>	FACU+	Large Canopy Tree	T	4		N, C, S
Wild Sweet Crabapple	<i>Malus coronaria</i>		Medium Understory Tree	T			N, C, S
Black Gum	<i>Nyssa sylvatica</i>	FAC	Medium Canopy Tree	T	5		N, C, S
Hop Hornbeam	<i>Ostrya virginiana</i>	FACU	Medium Understory Tree	T	5		N, C, S
Purple Chokeberry	<i>Photinia floribunda</i> (formally <i>Aronia prunifolia</i> )	FACW	Medium Shrub	S	8		N
Black Chokeberry	<i>Photinia melanocarpa</i> (formally <i>Aronia melanocarpa</i> )	FACW	Medium Shrub	S	8		N, C, S
Common Ninebark	<i>Physocarpus opulifolius</i>	FACW	Small Shrub	S	7		N, C, S
American Sycamore	<i>Platanus occidentalis</i>	FACW	Large Canopy Tree	T	3		N, C, S
Eastern Cottonwood	<i>Populus deltoides</i>	FAC	Large Canopy Tree	T	1	Only occasionally recommended	N, C, S
Swamp Cottonwood	<i>Populus heterophylla</i>	OBL	Large Canopy Tree	T	8	Scattered within its range	N, S
Quaking Aspen	<i>Populus tremuloides</i>	FAC	Small Canopy Tree	T	2		N
American Plum	<i>Prunus americana</i>	UPL	Small Understory Tree	T	4	Also along riverbanks	N, C, S
Black Cherry	<i>Prunus serotina</i>	FACU	Small Canopy Tree	T	1		N, C, S

Common Hop-tree	<i>Ptelea trifoliata</i>	FACU	Medium Shrub	S	4		N, C, S
White Oak	<i>Quercus alba</i>	FACU	Large Canopy Tree	T	5		N, C, S
Swamp White Oak	<i>Quercus bicolor</i>	FACW	Large Canopy Tree	T	7		N, C, S
Southern Red Oak	<i>Quercus falcata</i>	FACU	Med.-Lg. Canopy Tree	T	5	Far southern and southwestern counties	S*
Shingle Oak	<i>Quercus imbricaria</i>	FACU	Medium Canopy Tree	T	3		N, C, S
Overcup Oak	<i>Quercus lyrata</i>	OBL	Medium Canopy Tree	T	7	Extreme southwestern counties	S*
Bur Oak	<i>Quercus macrocarpa</i>	FAC	Large Canopy Tree	T	5		N, C, S
Swamp Chestnut Oak	<i>Quercus michauxii</i>	FACW	Med.-Lg. Canopy Tree	T	7	Far southern and southwestern counties	S*
Chinkapin Oak	<i>Quercus muehlenbergii</i>	FACU	Med.-Lg. Canopy Tree	T	4	Also along well-drained riverbanks	N, C, S
Pin Oak	<i>Quercus palustris</i>	FACW	Small Canopy Tree	T	3		N, C, S
Northern Red Oak	<i>Quercus rubra</i>	FACU	Large Canopy Tree	T	4		N, C, S
Shumard Oak	<i>Quercus shumardii</i>	FACW	Large Canopy Tree	T	7		C, S
Post Oak	<i>Quercus stellata</i>	FACU	Sm.-Med. Canopy Tree	T	5	Seasonally Swampy woods in southwestern counties	S*
Staghorn Sumac	<i>Rhus typhina</i>		Large Shrub	S	2		N
Pasture Gooseberry	<i>Ribes cynosbati</i>	FAC	Small Shrub	S	4		N, C, S
Carolina Rose	<i>Rosa carolina</i>	FACU	Small Shrub	S	4		N, C, S
Peachleaf Willow	<i>Salix amygdaloides</i>	FACW	Small Canopy Tree	T	4		N
Sandbar Willow	<i>Salix interior</i>	FACW	Medium Shrub	S	1		N, C, S
Black Willow	<i>Salix nigra</i>	OBL	Large Understory Tree	T	3		N, C, S
Elderberry	<i>Sambucus canadensis</i>	FACW	Medium Shrub	S	2		N, C, S
American Bladdernut	<i>Staphylea trifolia</i>	FAC	Medium Shrub	S	5		N, C, S
Bald Cypress	<i>Taxodium distichum</i>	OBL	Large Canopy Tree	T	10	Only portions Vanderburgh, Posey, Warrick, Knox and Gibson Counties	S*
American Basswood	<i>Tilia americana</i>	FACU	Large Canopy Tree	T	5		N, C, S
Nannyberry	<i>Viburnum lentago</i>	FAC	Medium Shrub	S	5		N
Black Haw	<i>Viburnum prunifolium</i>	FACU	Medium Shrub	S	4		N, C, S
Prickly ash	<i>Zanthoxylum</i>	FACU	Medium Shrub	S	3		N