

**Appendix A. Aquatic SGCN Habitat Associations By Order and Watershed**

**Table A-1.** Aquatic SGCN Habitat Associations By Order and Watershed.

X = Occurrence, EX = Extirpated/Historical Occurrence

Group	Scientific Name	Common Name	Riverine Systems										Lacustrine		Subterranean Systems	
			Great Lakes Drainage			Kankakee River Drainage		Ohio River Drainage								
			Great Rivers	Headwaters	Wade-able/Large Rivers	Headwaters	Wade-able/Large Rivers	Great Rivers	Eastern Corn Belt Plains /Interior Plateau		Interior River Lowland		Oxbows, backwaters, soughs, embayments	Lake Michigan		Other Natural Lakes
									Head-waters	Wade-able/Large Rivers	Head-waters	Wade-able/Large Rivers				
Carps and Minnows	<i>Clinostomus elongatus</i>	Redside Dace						X	X							

			Group			
<i>Notropis dorsalis</i>	<i>Notropis anogenus</i>	<i>Hybopsis amnis</i>	Scientific Name			
Bigmouth Shiner	Pugnose Shiner	Pallid Shiner	Common Name			
			Great Rivers	Great Lakes Drainage	Riverine Systems	
	X		Headwaters			
		EX	Wade-able/Large Rivers			
			Headwaters	Kankakee River Drainage		
X			Wade-able/Large Rivers			
			Great Rivers	Ohio River Drainage		
	EX	X	Head-waters			Eastern Corn Belt Plains /Interior
	EX	X	Wade-able/Large Rivers			
			Head-waters			Interior River Lowland
		EX	Wade-able/Large Rivers			
			Oxbows, backwaters, soughs, embayments			
			Lake Michigan		Lacustrine	
	X		Other Natural Lakes			
			Subterranean Systems			

<b>Cavefish</b>	<b>Catfish</b>		<b>Group</b>	
<i>Amblyopsis spelaea</i>	<i>Noturus stigmosus</i>	<i>Rhinichthys cataractae</i>	<b>Scientific Name</b>	
Northern Cavefish	Northern Madtom	Longnose Dace	<b>Common Name</b>	
		X	<b>Great Rivers</b>	<b>Great Lakes Drainage</b>
		X	<b>Headwaters</b>	
		X	<b>Wade-able/Large Rivers</b>	
			<b>Headwaters</b>	<b>Kankakee River Drainage</b>
			<b>Wade-able/Large Rivers</b>	
	X		<b>Great Rivers</b>	<b>Ohio River Drainage</b>
			<b>Head-waters</b>	
X			<b>Wade-able/Large Rivers</b>	
			<b>Head-waters</b>	
			<b>Wade-able/Large Rivers</b>	
			<b>Oxbows, backwaters, soughs, embayments</b>	
		X	<b>Lake Michigan</b>	<b>Lacustrine</b>
			<b>Other Natural Lakes</b>	
X			<b>Subterranean Systems</b>	

Mussels	Lampreys	Group	
		Scientific Name	Common Name
<i>Cyprogenia stegaria</i>	<i>Ichthyomyzon fossor</i>		
Fanshell	Northern Brook Lamprey		
		Great Rivers	Great Lakes Drainage
	X	Headwaters	
	X	Wade-able/Large Rivers	
	X	Headwaters	Kankakee River Drainage
	X	Wade-able/Large Rivers	
X		Great Rivers	Ohio River Drainage
	X	Head-waters	
X	X	Wade-able/Large Rivers	
		Head-waters	
		Wade-able/Large Rivers	Eastern Corn Belt Plains /Interior
		Head-waters	Interior River Lowland
		Wade-able/Large Rivers	
		Oxbows, backwaters, soughs, embayments	
		Lake Michigan	Lacustrine
		Other Natural Lakes	
		Subterranean Systems	

		Group	
<i>Epioblasma torulosa rangiana</i>	<i>Epioblasma obliquata perobliqua</i>	Scientific Name	
Northern Riffleshell	White Catspaw	Common Name	
EX	EX	Great Rivers	Great Lakes Drainage
		Headwaters	
EX	EX	Wade-able/Large Rivers	
		Headwaters	Kankakee River Drainage
		Wade-able/Large Rivers	
EX	EX	Great Rivers	Ohio River Drainage
		Head-waters	
X	EX	Wade-able/Large Rivers	
		Head-waters	
		Wade-able/Large Rivers	
		Oxbows, backwaters, soughs, embayments	
		Lake Michigan	Lacustrine
		Other Natural Lakes	
		Subterranean Systems	

			Group		
<i>Fusconaia subrotunda</i>	<i>Epioblasma triquetra</i>	<i>Epioblasma torulosa torulosa</i>	Scientific Name		
Longsolid	Snuffbox	Tuberclad Blossom	Common Name		
EX			Great Rivers	Great Lakes Drainage	
			Headwaters		
EX	EX		Wade-able/Large Rivers		
			Headwaters	Kankakee River Drainage	
			Wade-able/Large Rivers		
EX	EX	EX	Great Rivers	Ohio River Drainage	
			Head-waters		Eastern Corn Belt Plains /Interior
EX	X	EX	Wade-able/Large Rivers		
			Head-waters		Interior River Lowland
			Wade-able/Large Rivers		
			Oxbows, backwaters, soughs, embayments		
			Lake Michigan	Lacustrine	
			Other Natural Lakes		
			Subterranean Systems		

			Group			
<i>Obovaria subrotunda</i>	<i>Lampsilis fasciola</i>	<i>Lampsilis abrupta</i>	Scientific Name			
Round Hickorynut	Wavyrayed Lampmussel	Pink Mucket	Common Name			
EX			Great Rivers	Great Lakes Drainage	Riverine Systems	
			Headwaters			
EX	X		Wade-able/Large Rivers			
			Headwaters	Kankakee River Drainage		
			Wade-able/Large Rivers			
EX		EX	Great Rivers	Ohio River Drainage		
			Head-waters			Eastern Corn Belt Plains /Interior
X	X		Wade-able/Large Rivers			
			Head-waters			Interior River Lowland
X			Wade-able/Large Rivers			
			Oxbows, backwaters, soughs, embayments			
			Lake Michigan		Lacustrine	
	X		Other Natural Lakes			
			Subterranean Systems			

Mussels			Group		
			Scientific Name	Common Name	
<i>Plethobasus cyphus</i>	<i>Plethobasus cooperianus</i>	<i>Plethobasus cicatricosus</i>			
Sheepnose	Orangefoot Pimpleback	White Wartyback			
			Great Rivers	Great Lakes Drainage	
			Headwaters		
			Wade-able/Large Rivers		
			Headwaters	Kankakee River Drainage	
EX			Wade-able/Large Rivers		
X	EX	EX	Great Rivers	Ohio River Drainage	
			Head-waters		Eastern Corn Belt Plains /Interior
X			Wade-able/Large Rivers		
			Head-waters		Interior River Lowland
			Wade-able/Large Rivers		
			Oxbows, backwaters, soughs, embayments		
			Lake Michigan	Lacustrine	
			Other Natural Lakes		
			Subterranean Systems		



		Group		
<i>Pleurobema cordatum</i>	<i>Pleurobema clava</i>	Scientific Name		
Ohio Pigtoe	Clubshell	Common Name		
	EX	Great Rivers	Great Lakes Drainage	
		Headwaters		
	X	Wade-able/Large Rivers		
		Headwaters	Kankakee River Drainage	
		Wade-able/Large Rivers		
X	EX	Great Rivers	Ohio River Drainage	
		Head-waters		Eastern Corn Belt Plains /Interior
X	X	Wade-able/Large Rivers		
		Head-waters		Interior River Lowland
		Wade-able/Large Rivers		
		Oxbows, backwaters, soughs, embayments		
		Lake Michigan	Lacustrine	
		Other Natural Lakes		
		Subterranean Systems		

			Group		
<i>Potamilus capax</i>	<i>Pleurobema rubrum</i>	<i>Pleurobema plenum</i>	Scientific Name		
Fat Pocketbook	Pyramid Pigtoe	Rough Pigtoe	Common Name		
			Great Rivers	Great Lakes Drainage	
			Headwaters		
			Wade-able/Large Rivers		
			Headwaters	Kankakee River Drainage	
			Wade-able/Large Rivers		
X	EX	X	Great Rivers	Ohio River Drainage	
			Head-waters		Eastern Corn Belt Plains /Interior
	EX	EX	Wade-able/Large Rivers		
			Head-waters		Interior River Lowland
X			Wade-able/Large Rivers		
			Oxbows, backwaters, soughs, embayments		
			Lake Michigan	Lacustrine	
			Other Natural Lakes		
			Subterranean Systems		

		Group	
<i>Quadrula cylindrica cylindrica</i>	<i>Ptychobranthus fasciolaris</i>	Scientific Name	
Rabbitsfoot	Kidneyshell	Common Name	
EX	EX	Great Rivers	Great Lakes Drainage
		Headwaters	
EX	X	Wade-able/Large Rivers	
		Headwaters	Kankakee River Drainage
		Wade-able/Large Rivers	
EX	X	Great Rivers	Ohio River Drainage
		Head-waters	
X	X	Wade-able/Large Rivers	
		Head-waters	
	X	Wade-able/Large Rivers	
		Oxbows, backwaters, soughs, embayments	
		Lake Michigan	Lacustrine
		Other Natural Lakes	
		Subterranean Systems	

		Group	
<i>Toxolasma lividum</i>	<i>Simpsonaias ambigua</i>	Scientific Name	
Purple Lilliput	Salamander Mussel	Common Name	
EX		Great Rivers	Great Lakes Drainage
		Headwaters	
EX	X	Wade-able/Large Rivers	
		Headwaters	Kankakee River Drainage
		Wade-able/Large Rivers	
	X	Great Rivers	Ohio River Drainage
		Head-waters	
X	X	Wade-able/Large Rivers	
		Head-waters	
		Wade-able/Large Rivers	
		Oxbows, backwaters, soughs, embayments	
		Lake Michigan	Lacustrine
X		Other Natural Lakes	
		Subterranean Systems	

		Group	
<i>Villosa fabalis</i>	<i>Venustaconcha ellipsiformis</i>	Scientific Name	
Rayed Bean	Ellipse	Common Name	
EX	X	Great Rivers	Great Lakes Drainage
	X	Headwaters	
X	X	Wade-able/Large Rivers	
	X	Headwaters	Kankakee River Drainage
	X	Wade-able/Large Rivers	
EX		Great Rivers	Ohio River Drainage
		Head-waters	
X		Wade-able/Large Rivers	
		Head-waters	
		Wade-able/Large Rivers	Eastern Corn Belt Plains /Interior
		Head-waters	Interior River Lowland
		Wade-able/Large Rivers	
		Oxbows, backwaters, soughs, embayments	
		Lake Michigan	Lacustrine
X		Other Natural Lakes	
		Subterranean Systems	

<b>Perches</b>		<b>Group</b>	
<i>Ammocrypta clara</i>	<i>Villosa lienosa</i>	<b>Scientific Name</b>	
Western Sand Darter	Little Spectaclecase	<b>Common Name</b>	
		<b>Great Rivers</b>	<b>Great Lakes Drainage</b>
		<b>Headwaters</b>	
		<b>Wade-able/Large Rivers</b>	
		<b>Headwaters</b>	<b>Kankakee River Drainage</b>
		<b>Wade-able/Large Rivers</b>	
X		<b>Great Rivers</b>	<b>Ohio River Drainage</b>
		<b>Head-waters</b>	
	X	<b>Wade-able/Large Rivers</b>	
		<b>Head-waters</b>	
		<b>Wade-able/Large Rivers</b>	
		<b>Oxbows, backwaters, soughs, embayments</b>	
		<b>Lake Michigan</b>	<b>Lacustrine</b>
		<b>Other Natural Lakes</b>	
		<b>Subterranean Systems</b>	

			Group			
<i>Etheostoma tippecanoe</i>	<i>Etheostoma proeliare</i>	<i>Etheostoma maculatum</i>	Scientific Name			
Tippecanoe Darter	Cypress Darter	Spotted Darter	Common Name			
			Great Rivers	Great Lakes Drainage	Riverine Systems	
			Headwaters			
			Wade-able/Large Rivers			
			Headwaters	Kankakee River Drainage		
			Wade-able/Large Rivers			
×		×	Great Rivers	Ohio River Drainage		
			Head-waters			Eastern Corn Belt Plains /Interior
×		×	Wade-able/Large Rivers			
	×		Head-waters			Interior River Lowland
	×		Wade-able/Large Rivers			
	×		Oxbows, backwaters, soughs, embayments			
			Lake Michigan		Lacustrine	
			Other Natural Lakes			
			Subterranean Systems			

			Group	
<i>Percina evides</i>	<i>Percina copelandi</i>	<i>Etheostoma variatum</i>	Scientific Name	
Gilt Darter	Channel Darter	Variagate Darter	Common Name	
			Great Rivers	Great Lakes Drainage
			Headwaters	
EX			Wade-able/Large Rivers	
			Headwaters	Kankakee River Drainage
			Wade-able/Large Rivers	
EX	X	EX	Great Rivers	
			Head-waters	Ohio River Drainage
X		X	Wade-able/Large Rivers	
			Head-waters	
			Wade-able/Large Rivers	
			Oxbows, backwaters, soughs, embayments	
			Lake Michigan	Lacustrine
			Other Natural Lakes	
			Subterranean Systems	



Pygmy Sunfish	Pikes	Group	
		Scientific Name	Common Name
<i>Elassoma zonatum</i>	<i>Esox masquinongy ohioensis</i>		
Banded Pygmy Sunfish	Ohio River Muskellunge		
		Great Rivers	Great Lakes Drainage
		Headwaters	
		Wade-able/Large Rivers	
		Headwaters	Kankakee River Drainage
		Wade-able/Large Rivers	
	X	Great Rivers	Ohio River Drainage
		Head-waters	
	X	Wade-able/Large Rivers	
X		Head-waters	
X		Wade-able/Large Rivers	Eastern Corn Belt Plains /Interior
X		Head-waters	Interior River Lowland
X		Wade-able/Large Rivers	
X		Oxbows, backwaters, soughs, embayments	
		Lake Michigan	Lacustrine
	X	Other Natural Lakes	
		Subterranean Systems	

	<b>Snails</b>	<b>Sculpins</b>	<b>Group</b>	
<i>Lymnaea stagnalis</i>	<i>Campeloma decisum</i>	<i>Cottus cognatus</i>	<b>Scientific Name</b>	
Swamp Lymnaea	Pointed Campeloma	Slimy Sculpin	<b>Common Name</b>	
X	X		<b>Great Rivers</b>	<b>Great Lakes Drainage</b>
			<b>Headwaters</b>	
X	X		<b>Wade-able/Large Rivers</b>	
			<b>Headwaters</b>	<b>Kankakee River Drainage</b>
X	X		<b>Wade-able/Large Rivers</b>	
X	X		<b>Great Rivers</b>	<b>Ohio River Drainage</b>
			<b>Head-waters</b>	
X	X		<b>Wade-able/Large Rivers</b>	
			<b>Head-waters</b>	
			<b>Wade-able/Large Rivers</b>	<b>Eastern Corn Belt Plains /Interior</b>
			<b>Head-waters</b>	<b>Interior River Lowland</b>
			<b>Wade-able/Large Rivers</b>	
			<b>Oxbows, backwaters, soughs, embayments</b>	
		X	<b>Lake Michigan</b>	<b>Lacustrine</b>
X	X		<b>Other Natural Lakes</b>	
			<b>Subterranean Systems</b>	

	Suckers	Sturgeons	Group		
<i>Moxostoma valenciennesi</i>	<i>Catostomus catostomus</i>	<i>Acipenser fulvescens</i>	Scientific Name		
Greater Redhorse	Longnose Sucker	Lake Sturgeon	Common Name		
X			Great Rivers	Great Lakes Drainage	
			Headwaters		
X			Wade-able/Large Rivers		
			Headwaters	Kankakee River Drainage	
X			Wade-able/Large Rivers		
X		X	Great Rivers	Ohio River Drainage	
			Head-waters		Eastern Corn Belt Plains /Interior
X			Wade-able/Large Rivers		
			Head-waters		Interior River Lowland
			Wade-able/Large Rivers		
			Oxbows, backwaters, soughs, embayments		
	X	X	Lake Michigan	Lacustrine	
		X	Other Natural Lakes		
			Subterranean Systems		

Trout-perches	Sunfish	Group			
<i>Percopsis omiscomaycus</i>	<i>Lepomis symmetricus</i>	Scientific Name			
Trout-perch	Bantam Sunfish	Common Name			
		Great Rivers	Great Lakes Drainage	Riverine Systems	
		Headwaters			
		Wade-able/Large Rivers			
		Headwaters	Kankakee River Drainage		
		Wade-able/Large Rivers			
		Great Rivers	Ohio River Drainage		
		Head-waters			Eastern Corn Belt Plains /Interior
X		Wade-able/Large Rivers			
		Head-waters			Interior River Lowland
	X	Wade-able/Large Rivers			
	X	Oxbows, backwaters, soughs, embayments			
X		Lake Michigan			Lacustrine
		Other Natural Lakes			
		Subterranean Systems			

	Trouts and Salmon	Group	
<i>Coregonus clupeaformis</i>	<i>Coregonus artedi</i>	Scientific Name	
Lake Whitefish	Cisco	Common Name	
		Great Rivers	Great Lakes Drainage
		Headwaters	
		Wade-able/Large Rivers	
		Headwaters	Kankakee River Drainage
		Wade-able/Large Rivers	
		Great Rivers	Ohio River Drainage
		Head-waters	
		Wade-able/Large Rivers	
		Head-waters	
		Wade-able/Large Rivers	Eastern Corn Belt Plains /Interior
		Head-waters	Interior River Lowland
		Wade-able/Large Rivers	
		Oxbows, backwaters, soughs, embayments	
X	X	Lake Michigan	Lacustrine
	X	Other Natural Lakes	
		Subterranean Systems	