

List of species group assemblages (SPA), group membership and stream affinities for the entire dataset, for the Missouri (MO SPA) and Yellowstone (YL SPA) drainages. An asterisk (*) after the common name represents an Indicator Species of that assemblage, while an (*) after the SPA represents an indicator within that drainage only. Stream size codes: **A -large rivers, B -medium rivers, C-small rivers & large streams, D-small streams. L-stock ponds & lakes**

Common Name	Scientific Name	Species Code	Native	SPA	MO SPA	YL SPA	Stream Size
Large Mainstem Valley River Assemblage							
Blue sucker *	<i>Cycleptus elongatus</i>	CYCLEL	Yes	5	5	5	A
Burbot	<i>Lota lota</i>	LOTALOTA	Yes	5	6	5	A
Freshwater drum *	<i>Aplodinotus grunniens</i>	APLOGRUN	Yes	5	5	5	A
Paddlefish *	<i>Polyodon spathula</i>	POLYSPAT	Yes	5	5	5	A
Pallid sturgeon *	<i>Scaphirhynchus albus</i>	SCAPALBU	Yes	5	5	5	A
Shortnose gar	<i>Lepisosteus platostomus</i>	LEPIPLAT	Yes	5	5	5	A
Shovelnose sturgeon *	<i>Scaphirhynchus platorynchus</i>	SCAPPLAT	Yes	5	5	5	A
Sturgeon chub	<i>Macrhybopsis gelida</i>	MACRGE	Yes	5*	9	2	A
Sicklefin Chub *	<i>Macrhybopsis meeki</i>	MACRME	Yes	5	5	5	A
Large Warmwater River Assemblage							
Bigmouth buffalo	<i>Ictiobus cyprinellus</i>	ICTICY	Yes	1	1	1	A
Creek chub	<i>Semotilus atromaculatus</i>	SEMOATR	Yes	1	9*	2	B→C
Northern pike	<i>Esox lucius</i>	ESOX	No	1	1	3	A→B
Plains Killifish	<i>Fundulus kansae</i>	FUNDZE	No	1	9	1	B→C
Sauger *	<i>Sander canadensis</i>	STIZCA	Yes	1	1	1	A
Smallmouth bass	<i>Micropterus dolomieu</i>	MICRDO	No	1	1	1	A
Smallmouth buffalo	<i>Ictiobus bubalus</i>	ICTIBU	Yes	1	1	1	A
Stonecat *	<i>Noturus flavus</i>	NOTFLA	Yes	1	1	1	A→B
Channel catfish *	<i>Ictalurus punctatus</i>	ICTAPUN	Yes	1	1	1	A→B
Walleye	<i>Sander vitreum</i>	STIZVIT	No	1	1	3	A
Yellow perch	<i>Perca flavescens</i>	PERCFLA	No	1	1	3	A
Emerald shiner *	<i>Notropis atherinoides</i>	NOTRAT	No	1	1	1	A
Medium Warmwater River Assemblage							
Goldeye *	<i>Hiodon alosoides</i>	HIODAL	Yes	2	1*	1*	A→B
River carpsucker *	<i>Carpionodes carpio</i>	CARPCARP	Yes	2	1*	1*	A→B
Shorthead Redhorse *	<i>Moxostoma macrolepidotum</i>	MOXOMA	Yes	2	1*	1*	A→B
Common carp *	<i>Cyprinus carpio</i>	CARP	No	2	2	1	A→B
Flathead Chub *	<i>Platygobio gracilis</i>	PLATGR	Yes	2	2	1	A→B
Goldfish	<i>Carassius auratus</i>	CARAAU	No	2	3	3	L
Green sunfish *	<i>Lepomis cyanellus</i>	LEPOCY	No	2	2	2	B→C

Plains minnow *	<i>Hybognathus placitus</i>	HYBOPL	Yes	2	2	1	A→C
Sand shiner *	<i>Notropis stramineus</i>	NOTRST	Yes	2	2	2	B
Black bullhead	<i>Ameiurus melas</i>	AMEIME	No	2	2	2	B→C
Spottail shiner	<i>Notropis hudsonius</i>	NOTRHU	No	2	3	3	A→B
Western silvery minnow	<i>Hybognathus argyritis</i>	HYBOAG	Yes	2	2	1	A→B
Core Prairie Stream Assemblage							
Fathead minnow *	<i>Pimephales promelas</i>	PIMEPR	Yes	20	20	20	B→D
Longnose dace *	<i>Rhinichthys cataractae</i>	RHINCA	Yes	20	20	20	B→C
White sucker *	<i>Catostomus commersoni</i>	CATOCO	Yes	20	20	20	B→C
Lake chub *	<i>Couesius plumbeus</i>	COUEPL	Yes	20	20	26*	C
Warmwater Sunfish Assemblage							
Black crappie	<i>Pomoxis nigromaculatus</i>	POMONI	No	3	3	3	L
Bluegill	<i>Lepomis macrochirus</i>	LEPOMA	No	3	3	3	L
Golden shiner	<i>Notemigonus crysoleucas</i>	NOTECR	No	3	3	3	L
Largemouth bass	<i>Micropterus salmoides</i>	MICRSAL	No	3	3	3	L
Pumpkinseed*	<i>Lepomis gibbosus</i>	LEPOGI	No	3	3	3	B
Rock bass*	<i>Ambloplites rupestris</i>	AMBLRU	No	3	na	3	B
White crappie	<i>Pomoxis annularis</i>	POMOAN	No	3	3	3	B
Yellow bullhead	<i>Ameiurus natalis</i>	AMENAT	No	3	3	3	B
Brook Stickleback Assemblage							
Brook stickleback	<i>Culaea inconstans</i>	CULAIN	Yes	4	18*	4	C→D
Iowa darter	<i>Etheostoma exile</i>	ETHEEXIL	Yes	4	18	4	C
Brassy minnow	<i>Hybognathus hankinsoni</i>	HYBOHA	Yes	20	18	2	B→C
Northern Redbelly Dace Assemblage							
Northern redbelly dace*	<i>Phoxinus eos</i>	PHOXEOS	Yes	4	4	4	C
Northern redbelly dace X Finescale dace	<i>Phoxinus eos x Phoxinus neogaeus</i>	PHOXEOSX	Yes	4	4	na	C
Finescale Dace	<i>Phoxinus neogaeus</i>	PHOXNEO	Yes?	4	4	na	C
Pearl dace*	<i>Margariscus margarita</i>	MARGMARG	Yes	4	4	na	C
Big Hole River Assemblage							
Fluvial arctic grayling*	<i>Thymallus arcticus</i>	THYAR	Yes	6	6	na	B
Redside Shiner *	<i>Richardsonius balteatus</i>	RIBA	Yes	6	6	na	B
Traditional Trout Stream Assemblage							
Brook trout *	<i>Salvelinus fontinalis</i>	SALFON	No	7	7	7	C -> D
Brown trout *	<i>Salmo trutta</i>	SALTRU	No	7	7	7	B -> C
Longnose sucker	<i>Catostomus catostomus</i>	CATOCA	Yes	7	2	7	B
Mottled sculpin *	<i>Cottus bairdi</i>	COTBA	Yes	7	7	7	B -> D
Mountain sucker	<i>Catostomus platyrhynchus</i>	CATOPL	Yes	7	2	7	B

Mountian Whitefish *	<i>Prosopium williamsoni</i>	PROSWILL	Yes	7	7	7	B -> C
Rainbow trout *	<i>Oncorhynchus mykiss</i>	ONCOMYK	No	7	7	7	B -> C
Westslope Cutthroat *	<i>Oncorhynchus clarki lewisi</i>	ONCOCLL	Yes	7	7	7	C -> D
Yellowstone Mountain Stream Assemblage							
Golden trout	<i>Oncorhynchus aquabonita</i>	ONCOAQ	No	7	7	10*	C
Yellowstone Cutthroat	<i>Oncorhynchus clarki bouvieri</i>	ONCOCLB	Yes	7	7	10*	C → D
Bull Trout Assemblage							
Bull trout *	<i>Salvelinus confluentus</i>	SALVCON	Yes	8	na	na	B → C
Slimy Sculpin *	<i>Cottus cognatus</i>	COTTCO	Yes	8	na	na	B → C