

**Metadata for data compiled from the National Reservoir Research Program 1989 dataset used in Faucheux et al. (In Review).**

Citation for the NRRP report:

Turner, D. W. & W. L. Cornelius, 1989. The 1988 Version of Four National Reservoir Research Databases. FWS-14-16-0004-928. U.S. Fish and Wildlife Service, Washington, D.C.

Citation for the study that used the compiled data:

Faucheux, N. M., A.R. Sample, C. A. Aldridge, D. M. Norris, C. Owens, V. R. Starnes, S. VanderBloemen, & L. E. Miranda. (In Review). Reservoir attributes display cascading spatial patterns along river basins. *Water Resources Research*.

ATTRIBUTE NAME	UNITS	DESCRIPTION
<b>RESCD</b>	N/A	Reservoir code unique to the NRRP dataset
<b>BASIN</b>	N/A	Name of the HUC 6 level basin that the reservoir lies within (as defined in Faucheux et al. 2021)
<b>DRAINAGE</b>	Square Kilometers	Total catchment area of the reservoir
<b>LAT</b>	Decimal Degrees	Latitude (WGS 84 projection)
<b>LON</b>	Decimal Degrees	Longitude (WGS 84 projection)
<b>TCROP</b>	Kilograms/Hectare	Total biomass of all fish collected
<b>PISCIVORE</b>	Kilograms/Hectare	Biomass of fish that swallow fish whole after capturing by chasing or ambushing
<b>DETRITIVORE</b>	Kilograms/Hectare	Biomass of fish that feed on nonliving plant and animal detritus, decomposing organic matter, and associated microflora accumulated on the bottom
<b>HERBIVORE</b>	Kilograms/Hectare	Biomass of fish that feed on green plants such as algae growing over substrate
<b>INVERTIVORE</b>	Kilograms/Hectare	Biomass of fish that feed on a diversity of invertebrates from chironomid larvae to large mollusks
<b>PLANKTIVORE</b>	Kilograms/Hectare	Plankton feeders typically with elongated pharyngeal teeth. Fishes that are planktivores only as juveniles were assigned to their adult feeding guild

To calculate the biomass for each trophic guild, we summed the biomass of each species within the guild that occurred in each reservoir. Species and groups listed in the NRRP were sorted into trophic guilds using Goldstein and Simon (1999); if the adult forms belonged to multiple trophic guilds, they were included in the calculations for each guild. The NRRP variables included in each trophic guild are listed below.

Goldstein, R., M., & T. P. Simon. 1999. Toward a united definition of guild structure for feeding ecology of North American freshwater fishes. Pages 123-203 in T. P. Simon, editor. *Assessing the sustainability and biological integrity of water resources using fish communities.*, CRC Press, Boca Raton, FL.

**Piscivores:**

Alligator Gar

Atlantic Salmon  
Black Bass Fishes  
Blue Catfish  
Black Crappie  
Black x Red Drum  
Bowfin  
Brown Bullhead  
Brook Trout  
Brown Trout  
Catfish Fishes  
Channel Catfishes  
Chain Pickerel  
Coho Salmon  
Crappie Fishes  
Cutthroat Trout  
Eel  
Pike Fishes  
Fallfish  
Flathead Catfish  
Flat Bullhead  
Florida Gar  
Freshwater Drum  
Green Sunfish  
Gar Fishes  
Grass Pickerel  
Kokanee Salmon  
Lamprey  
Largemouth Bass  
Longnose Gar  
Muskellunge  
Northern Pike  
Non-Flathead Catfishes  
Ohrid Trout  
Pirate Perch  
Pickerels  
Pumpkinseed Sunfish  
Rainbow Trout  
Redfin Pickerel  
Redeye Bass  
Shortnose Gar  
Salmon Fishes  
Sauger  
Sauger x Walleye  
Shoal Bass

Smallmouth Bass  
Smelt  
Spotted Bass  
Spotted Bullhead  
Spotted Gar  
Striped Bass  
Striped Bass Hybrid  
Tiger Musky  
Temperate Basses  
Trout Fishes  
Unidentified Black Basses  
Unidentified Bullheads  
Unidentified Catfishes  
Unidentified Gars  
Unidentified Pickerels  
Unidentified Salmon  
Unidentified Temperate Basses  
Unidentified Trouts  
Walleye  
Warmouth  
Whitefish  
White Bass  
White Catfish  
White Crappie  
White Perch  
Yellow Bullhead  
Yellow Perch  
Yellow Bass

**Detritivores:**

Blacktail Redhorse  
Carp  
Carp sucker Fishes  
Fathead Minnow  
Highfin Carpsucker  
Mullet  
Quillback  
River Carpsucker

**Herbivores:**

Bigmouth Buffalo  
Buffalo Fishes  
Catostomidae Species  
Clupeid species

Gizzard Shad  
Goldfish  
Grass Carp  
Hogsucker  
Lake Chubsucker  
Northern Hogsucker  
Red Shiner  
Smallmouth Buffalo  
Stoneroller  
Unidentified Buffaloes  
Unidentified Clupeids

**Invertivores:**

Bigmouth Buffalo  
Bullhead Minnow  
Brook Silverside  
Blackbanded Sunfish  
Bullhead Minnow  
Black Buffalo  
Blacktail Redhorse  
Bluespotted Sunfish  
Blacktail Shiner  
Bluegill  
Bonytail  
Bullhead Fishes  
Chubsucker Fishes  
Chubs  
Cisco  
Common Shiner  
Creek Chubsucker  
Daces  
Dollar Sunfish  
Flathead Chub  
Flier  
Greater Jumprock  
Golden Redhorse  
Goldeye  
Gray Redhorse  
Hybrid Sunfishes  
Killifish and Topminnows  
Longear Sunfish  
Logperch  
Livebearers  
Mosquitofish

Madtom Fishes  
Mexican Tetra  
Mississippi Silversides  
Mooneye  
Northern Redhorse  
Orangespotted Sunfish  
Perches  
Pygmy Sunfishes  
Ribbon Shiner  
Redbreast Sunfish  
Redhorse Fishes  
Redear Sunfish  
Rio Grande Cichlid  
River Redhorse  
Sculpin  
Smallfin Redhorse  
Shiner Fishes  
Silver Redhorse  
Snail Bullhead  
Spotted Sucker  
Spotted Sunfish  
Squawfish  
Silverside  
Shorthead Redhorse  
Sturgeon  
Suckers  
Sunfishes  
Unidentified Carpsuckers  
Unidentified Minnows  
Unidentified Redhorses  
Unidentified Shiners  
Unidentified Silversides  
Unidentified Suckers  
Unidentified Sunfishes  
White Sucker

**Planktivores:**

Alabama Shad  
Alewife  
Blueback Herring  
Skipjack Herring  
Threadfin Shad  
Paddlefish