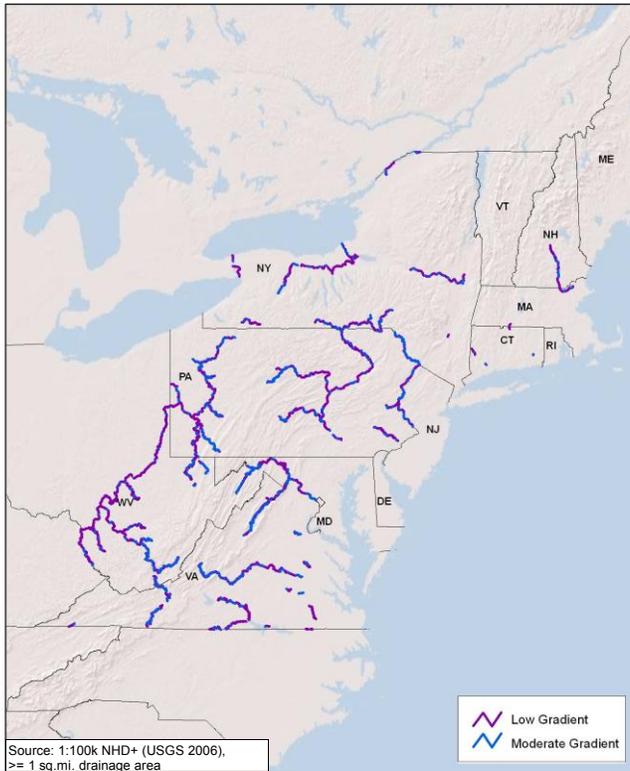


Warm, Large River

Macrogroup: Large River

This map is based on a model and has had little field-checking. Contact your State Natural Heritage Ecologist or State Fish Game Agency for more information about this habitat.



Susquehanna River, © Nicholas A. Tonelli

Description:

Large, deep, warmwater rivers of the Mid-Atlantic and low elevations in the north. These very large and deep rivers drain watersheds >1000 sq.mi and have an average bankfull width of 250 feet. Slower moving, lower gradient sections of these rivers are expected to be more unconfined with higher sinuosity, broader floodplain valleys, more riparian wetlands, and lower width/depth ratios than the more moderate gradient portions. Species diversity is high in these large rivers, and assemblages characteristic of runs, pools, and the pelagic zone dominate the community. Profundal areas without effective light penetration are also found and support populations of bacteria, fungi, and other decomposers that break down organic matter reaching the bottom. In coastal connected river sections, anadromous species are often found. Warm water temperatures in these streams means the fish community will contain a higher proportion of warmwater species relative to coolwater species. These systems are unlikely to support any resident coldwater species. Examples of this type in the region include the lower Merrimack, Mohawk, Delaware, Susquehanna, West Branch Susquehanna, Allegheny, Juniata, Ohio, Monongahela, Potomac, South Fork Shenandoah, Kanawha, James, New, and Roanoke.

Similar Habitat Types:

Warm large rivers typically have a number of cool and warm medium sized or small river sized tributary systems draining into them.

State Distribution: CT, MD, MA, NH, NJ, NY, PA, VT, VA, WV

Total Habitat (mi): 3,853

% Conserved: 12.0 Unit = Acres of 100m Riparian Buffer

State	State Habitat %	Miles of Habitat	Acres GAP 1 - 2	Acres GAP 3	Total Acres Unsecured
PA	31	1210	45	46	771
WV	25	969	40	34	584
VA	20	763	5	38	469
NY	16	605	6	22	402
MD	4	154	42	6	63
NH	2	66	1	6	38
NJ	2	60	19	8	17
MA	1	28	0	2	17
CT	0	17	0	0	11
VT	0	6	2	0	2

Places to Visit this Habitat:

Potomac River, C & O Canal National Historical Park | MD West Branch Susquehanna River, Bucktail State Park Natural Area | PA Youghiogheny River, Ohio State Park | PA Ohio River, Green Bottom Wildlife Management Area | WV Gauley River, Gauley River National Recreation Area | WV

Associated Fish:

Most Abundant: smallmouth bass, emerald shiner, spotfin shiner, redbreast sunfish, northern hog sucker, rock bass, bluntnose minnow, spottail shiner, mimic shiner, white sucker, rosyface shiner, fallfish, telescope shiner, bluegill, gizzard shad, pumpkinseed, logperch, black redhorse, greenside darter, streamline chub, banded darter, yellow perch, american eel, shield darter, tessellated darter, swallowtail shiner, channel catfish, golden redhorse. **Less Abundant:** roanoke darter, walleye, satinfin shiner, margined madtom, sand shiner, largemouth bass, central stoneroller, shorthead redhorse, longhead darter, river chub, yellow bullhead, silver redhorse, bigmouth chub, silver shiner, longnose dace, whitetail shiner, longear sunfish, variegated darter, blueback herring, rainbow darter, green sunfish, golden shiner, common shiner, sharpnose darter, redline darter, white perch, white shiner, freshwater drum, banded killifish, flathead catfish.

Species of Concern (G1 - G4):

Fishes: duskytail darter, cheat minnow, roanoke logperch, ashy darter, golden darter, spotted darter, orangefin madtom, blotchside logperch, shortnose sturgeon, lake sturgeon, atlantic sturgeon, western sand darter, candy darter, tippecanoe darter, ohio lamprey, popeye shiner, northern madtom, longhead darter, kanawha minnow, eastern sand darter, highfin carpsucker, streamline chub, gravel chub, bluebreast darter, bluespar darter, american brook lamprey, river redhorse, bigmouth chub, new river shiner, mountain madtom, tangerine darter, channel darter, gilt darter, appalachia darter, stripeback darter, paddlefish

Crayfish, Mussels, and Snails: fanshell, dromedary pearlymussel, birdwing pearlymussel, virginia pigtoe, orangefoot pimpleback, james spinymussel, rough pigtoe, yellow lance, atlantic pigtoe, pink mucket, clubshell, pyramid pigtoe, tennessee pigtoe, rayed bean, brook floater, spectaclecase, atlantic spike, roanoke slabshell, snuffbox, longsolid, yellow lampmussel, green floater, tidewater mucket, sheepnose, rabbitsfoot, salamander mussel, northern riffleshell, elktoe, triangle floater, butterfly, ebonyshell, hickorynut, round hickorynut, ohio pigtoe, round pigtoe, kidneyshell, monkeyface, pistolgrip

See Appendix 2 for scientific names

Crosswalk to State Names:

New York: Deepwater river. **Pennsylvania:** Atlantic Basin Fish River & Impoundment Community, Ohio-Great Lakes Basins Fish Large River Community



Black Redhorse, © Biotactic

