



# Tolerance

## Tolerance Index

Sum of products of each species proportional abundance ( $P_a$ ) and species tolerance values (sensitive = 0, intermediate = 5, tolerant = 10)

**Sensitive:** American Brook Lamprey, Brook Trout, Brown Trout, Cutlips Minnow, Margined Madtom, Northern Hogsucker, Rainbow Trout, Shield Darter, Slimy Sculpin

**Intermediate:** All Remaining Fish Species

**Tolerant:** American Eel, Banded Killifish, Common Carp, Fathead Minnow, Goldfish, Green Sunfish, Hybrid Sunfish (Gx or Px), Western Mosquitofish, Mummichog, Pumpkinseed, White Sucker

$$\text{Tolerance Index} = ([P_a \text{ sensitive sp.}] * 0) + ([P_a \text{ intermediate sp.}] * 5) + ([P_a \text{ tolerant sp.}] * 10)$$



$$\text{Metric Score} = ((9.32 - [\text{Tolerance Index}]) \div 4.84) * 100$$