

METRIC	LABEL
AMPHNIND	No. Amphipoda individuals
AMPHNTAX	No. of Amphipoda taxa
AMPHPIND	% Amphipoda individuals
AMPHPTAX	% Amphipoda taxa
BURRNIND	No. Burrower individuals
BURRNNTAX	No. of Burrowers taxa
BURRPIND	% Burrowers individuals
BURRPNTAX	% Burrowers taxa
CHIRDOM1PIND	% individuals in most abundant distinct Chironomidae taxon
CHIRDOM3PIND	% individuals in most abundant 3 distinct Chironomidae taxa
CHIRDOM5PIND	% individuals in most abundant 5 distinct Chironomidae taxa
CHIRNIND	No. of Chironomidae individuals
CHIRNTAX	No. of Chironomidae taxa
CHIRPIND	% Chironomidae individuals
CHIRPTAX	% Chironomidae taxa
CLMBNIND	No. Climber individuals
CLMBNTAX	No. of Climber taxa
CLMBPIND	% Climber individuals
CLMBPTAX	% Climber taxa
CLNGNIND	No. Clinger individuals
CLNGNTAX	No. of Clinger taxa
CLNGPIND	% Clinger individuals
CLNGPTAX	% Clinger taxa
COFININD	No. Collector-filterer individuals
COFINTAX	No. of Collector-filterer taxa
COFIPIND	% Collector-filterer individuals
COFIPTAX	% Collector-filterer taxa
COFITRICNIND	No. Collector-filterer Trichoptera individuals
COFITRICNTAX	No. of Collector-filterer Trichoptera taxa
COFITRICPIND	% Collector-filterer Trichoptera individuals
COFITRICPTAX	% Collector-filterer Trichoptera taxa
COGANIND	No. Collector-gatherer individuals
COGANTAX	No. of Collector-gatherer taxa
COGAPIND	% Collector-gatherer individuals
COGAPTAX	% Collector-gatherer taxa
CRUSNIND	No. Crustacean individuals
CRUSNTAX	No. of Crustacean taxa
CRUSPIND	% Crustacean individuals
CRUSPTAX	% Crustacean taxa
DIPTNIND	No. Diptera individuals
DIPTNTAX	No. of Diptera taxa
DIPTPIND	% Diptera individuals
DIPTPTAX	% Diptera taxa
DOM1PIND	% individuals in dominant distinct taxon
DOM3PIND	% individuals in dominant 3 distinct taxa

DOM5PIND	% individuals in dominant 5 distinct taxa
EPHENIND	No. Ephemeroptera individuals
EPHENTAX	No. of Ephemeroptera taxa
EPHEPIND	% Ephemeroptera individuals
EPHEPTAX	% Ephemeroptera taxa
EPOTNIND	No. of Ephemeroptera, Plecoptera, Odonata, & Trichoptera individuals
EPOTNTAX	No. of Ephemeroptera, Plecoptera, Odonata, & Trichoptera taxa
EPOTPIND	% Ephemeroptera, Plecoptera, Odonata, & Trichoptera individuals
EPOTPTAX	% Ephemeroptera, Plecoptera, Odonata, & Trichoptera taxa
EPT_NIND	No. Ephemeroptera, Plecoptera, and Trichoptera individuals
EPT_NTAX	No. of Ephemeroptera, Plecoptera, and Trichoptera taxa
EPT_PIND	% Ephemeroptera, Plecoptera, and Trichoptera individuals
EPT_PTAX	% Ephemeroptera, Plecoptera, and Trichoptera taxa
FACLNIND	No. of Facultative (3< PTV <7) individuals
FACLNTAX	No. of Facultative (3< PTV <7) taxa
FACLPIND	% Facultative (3< PTV <7) individuals
FACLPTAX	% Facultative (3< PTV <7) taxa
FLAG	Flag for samples with 0 individuals in sample collected
HEMININD	No. of Hemiptera individuals
HEMINTAX	No. of Hemiptera taxa
HEMIPIND	% Hemiptera individuals
HEMIPTAX	% Hemiptera taxa
HPRIME	Shannon diversity- sum of $\text{prop}_i \cdot \ln(\text{prop}_i)$ based only on distinct taxa, where prop_i =proportion of species i in sample
INTLNIND	No. of Intolerant (PTV<=3) individuals
INTLNTAX	No. of Intolerant (PTV<=3) taxa
INTLPIND	% Intolerant (PTV<=3) individuals
INTLPTAX	% Intolerant (PTV<=3) taxa
METRIC_TAXA_ROOT	Level of taxonomic aggregation used in calculating metrics. Default is that used for reporting in WSA and NRSA 2008-2009. Others are user supplied.
MITENIND	No. of Mite individuals
MITENTAX	No. of Mite taxa
MITEPIND	% Mite individuals
MITEPTAX	% Mite taxa
MOLLNIND	No. of Mollusca individuals
MOLLNTAX	No. of Mollusca taxa
MOLLPIND	% Mollusca individuals
MOLLPTAX	% Mollusca taxa
NOINNIND	No. of Non-insect individuals
NOINNTAX	No. of Non-insect taxa
NOINPIND	% Non-insect individuals
NOINPTAX	% Non-insect taxa
NTOLNIND	No. of non-tolerant (PTV<6) individuals
NTOLNTAX	No. of non-tolerant (PTV<6) taxa
NTOLPIND	% non-tolerant (PTV<6) individuals
NTOLPTAX	% non-tolerant (PTV<6) taxa
ODONNIND	No. of Odonata individuals

ODONNTAX	No. of Odonata taxa
ODONPIND	% Odonata individuals
ODONPTAX	% Odonata taxa
OLLENIND	No. of Oligochaete and leech individuals
OLLENTAX	No. of Oligochaete and leech taxa
OLLEPIND	% Oligochaete and leech individuals
OLLEPTAX	% Oligochaete and leech taxa
ORTHCHIRPIND	% Chironomidae individuals in Orthoclaadiinae
ORTHNIND	No. of Orthoclaadiinae chironomid individuals
ORTHNTAX	No. of Orthoclaadiinae chironomid taxa
ORTHNPIND	% Orthoclaadiinae chironomid individuals
ORTHPTAX	% Orthoclaadiinae chironomid taxa
PLECNIND	No. of Plecoptera individuals
PLECNTAX	No. of Plecoptera taxa
PLECPIND	% Plecoptera individuals
PLECPTAX	% Plecoptera taxa
PREDNIND	No. Predator individuals
PREDNTAX	No. of Predator taxa
PREDPIND	% Predator individuals
PREDPTAX	% Predator taxa
SCRPNIND	No. of Scraper individuals
SCRPNNTAX	No. of Scraper taxa
SCRPPIND	% Scraper individuals
SCRPPPTAX	% Scraper taxa
SHRDNIND	No. of Shredder individuals
SHRDNTAX	No. of Shredder taxa
SHRDPIND	% Shredder individuals
SHRDPTAX	% Shredder taxa
SPWLNIND	No. of Sprawler individuals
SPWLNTAX	No. of Sprawler taxa
SPWLPIND	% Sprawler individuals
SPWLPTAX	% Sprawler taxa
STOLNIND	No. of Individuals with PTV \geq 8
STOLNTAX	No. of taxa with PTV \geq 8
STOLPIND	% Individuals with PTV \geq 8
STOLPTAX	% taxa with PTV \geq 8
SWIMNIND	No. of Swimmer individuals
SWIMNTAX	No. of Swimmer taxa
SWIMPIND	% Swimmer individuals
SWIMPTAX	% Swimmer taxa
TANYNIND	No. of Tanytarsini individuals
TANYNTAX	No. of Tanytarsini taxa
TANYNPIND	% Tanytarsini individuals
TANYPTAX	% Tanytarsini taxa
TL01NIND	No. of individuals with PTV $<$ 2
TL01NTAX	No. of taxa with PTV $<$ 2
TL01PIND	% Individuals with PTV $<$ 2

TL01PTAX	% taxa with PTV<2
TL23NIND	No. individuals with PTV >=2 & <4
TL23NTAX	No. taxa with PTV >=2 & <4
TL23PIND	% individuals with PTV >=2 & <4
TL23PTAX	% taxa with PTV>=2 & <4
TL45NIND	No. individuals with PTV >=4 & <6
TL45NTAX	No. taxa with PTV >=4 & <6
TL45PIND	% individuals with PTV >=4 & <6
TL45PTAX	% taxa with PTV>=4 & <6
TL67NIND	No. individuals with PTV >=6 & <8
TL67NTAX	No. taxa with PTV >=6 & <8
TL67PIND	% individuals with PTV >=6 & <8
TL67PTAX	% taxa with PTV>=6 & <8
TOLRNIND	No. of Tolerant (PTV>=7) individuals
TOLRNTAX	No. of Tolerant (PTV>=7) taxa
TOLRPIND	% Tolerant (PTV>=7) individuals
TOLRPTAX	% Tolerant (PTV>=7) taxa
TOTLNIND	Number of individuals in sample
TOTLNTAX	Number of distinct taxa in sample
TRICNIND	No. of Trichoptera individuals
TRICNTAX	No. of Trichoptera taxa
TRICPIND	% Trichoptera individuals
TRICPTAX	% Trichoptera taxa
TUBINAIDNIND	No. of Tubificidae and Naididae individuals
TUBINAIDNTAX	No. of Tubificidae and Naididae taxa
TUBINAIDPIND	% Tubificidae and Naididae individuals
TUBINAIDPTAX	% Tubificidae and Naididae taxa
WTD_TV	Hilsenhoff Biotic Index (HBI), sum of $TV_i \cdot prop_i$, where TV_i =tolerance value for species i and $prop_i$ =proportion of taxon i in sample, based on all taxa in sample

PREFIX

AMPH	Order Amphipoda
BURR	Burrower (HABIT=BU)
CHIR	Family Chironomidae
CHIRDOM1	Dominant Taxon in Family Chironomidae
CHIRDOM3	Dominant 3 Taxa in Family Chironomidae
CHIRDOM5	Dominant 5 Taxa in Family Chironomidae
CLMB	Climber (HABIT=CB)
CLNG	Clinger (HABIT=CN)
COFI	Collector-filterer (FFG=CF)
COFITRIC	Order Trichoptera and Collector-filterer (FFG=CF)
COGA	Collector-gatherer (FFG=CG)
CRUS	Class Crustacea
DIPT	Order Diptera
DOM1	Dominant Taxon

LABEL

DOM3	Dominant 3 Taxa
DOM5	Dominant 5 Taxa
EPHE	Order Ephemeroptera
EPOT	Orders Ephemeroptera, Plecoptera, Odonata, and Trichoptera
EPT_	Orders Ephemeroptera, Plecoptera, and Trichoptera
FACL	Facultative (3< PTV <7)
HEMI	Order Hemiptera
HPRIME	Shannon Diversity
INTL	Intolerant (PTV<=3)
MITE	Mites (Orders Trombidiformes and Sarcoptiformes)
MOLL	Phylum Mollusca
NOIN	Non-insects
NTOL	Non-tolerant (PTV<6)
ODON	Order Odonata
OLLE	Classes Oligochaeta and Hirudinea
ORTHCHIR	Subfamily Orthocladiinae (among Chironomidae)
ORTH	Subfamily Orthocladiinae
PLEC	Order Plecoptera
PRED	Predator (FFG=PR)
SCRP	Scraper (FFG=SC)
SHRD	Shredder (FFG=SH)
SPWL	Sprawler (HABIT=SP)
STOL	Super Tolerant (PTV>=8)
SWIM	Swimmer (HABIT=SW)
TANY	Tribe Tanytarsini within Chironomidae
TL01	Tolerance Value (PTV) <2
TL23	tolerance Value (PTV) >=2 & <4
TL45	Tolerance Value (PTV) >=4 & <6
TL67	Tolerance Value (PTV) >=6 & <8
TOLR	Tolerance Value (PTV) >=7)
TOTL	Total in Sample
TRIC	Order Trichoptera
TUBINAID	Families Tubificidae and Naididae

SUFFIX

NIND	Number of Individuals
PIND	Percentage of Individuals
NTAX	Number of Taxa
PTAX	Percentage of Taxa

LABEL