

# Hoosier Riverwatch Biological Monitoring Data Sheet

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Volunteer ID: \_\_\_\_\_

Site ID: \_\_\_\_\_

Stream Name: \_\_\_\_\_

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

Time \_\_\_\_ : \_\_\_\_ AM / PM

Time Sampling: \_\_\_\_\_ hrs

Air Temp.: \_\_\_\_\_ °C

Current Weather:

Clear/Sunny     Overcast     Showers     Rain (steady)     Storm ( Heavy)

Worst Weather (past 48 hours):

Clear/Sunny     Overcast     Showers     Rain (steady)     Storm ( Heavy)

Check Methods Used:

Kick Seine Net (3 times)     Dip Net (20 jabs or scoops)

Check Habitats Sampled:

Undercut Banks     Riffles     Leaf Packs     Snags/Vegetation     Sediment

## Pollution Tolerance Index (PTI)

Record the taxa (group) represented in your sampling by either entering the number of organisms you counted or a ✓








### Group 1 - Intolerant

- Stonefly nymph 
- Mayfly nymph 
- Caddisfly larva 
- Riffle Beetle 
- Dobsonfly Larva 
- Right-Handed or Gilled snail 
- Water Penny 

# of TAXA represented

Weighting Factor (x4)





### Group 2 - Moderately Intolerant

- Damselfly nymph 
- Dragonfly nymph 
- Scud 
- Sowbug 
- Cranefly larva 
- Clam/Mussel 
- Crayfish 

# of TAXA represented

Weighting Factor (x3)





### Group 3 - Fairly Tolerant

- Leech 
- Midge larva 
- Planaria/ Flatworm 
- Black fly larva 

# of TAXA represented

Weighting Factor (x2)

### Groups 4 - Very Tolerant

- Aquatic worm 
- Blood midge larva (red) 
- Rat-tailed Maggot 
- Left-Handed or Pouch snail 

# of TAXA represented

Weighting Factor (x1)

### Pollution Tolerance Index Rating

(Add the final index values for each group)

#### PTI Ratings

Excellent	23 or More
Good	17 - 22
Fair	11 - 16
Poor	10 or Less

Please check other Biological Indicators you observed:

Native Mussels     Zebra Mussels     Rusty Crayfish     Aquatic Plants

\_\_\_\_\_ % Algae Cover

\_\_\_\_\_ Diversity Index