

# Bug Picking Data Sheet

**Group 1  
Pollution Sensitive**

Stonefly Larva  
1 in.

Whirligig Beetle  
0.5 in.

Mayfly Nymph  
1 in.

Caddisfly Larva  
0.5 in.

Grass Shrimp  
1-2 in.

Dobsonfly Larva  
up to 3.0 in.

Number of Species Found  
 \_\_\_\_\_ 3 or More  
 \_\_\_\_\_ 1 to 3 Species  
 \_\_\_\_\_ No Species Found

**Group 2  
Somewhat Sensitive**

Diving Beetle  
1-1.5 in.

Dragonfly Larva  
1 in.

Damselfly Nymph  
1 in.

Scud  
0.3 in.

Water Boatman  
1 in.

Coiled Snail  
0.4 in.

Number of Species Found  
 \_\_\_\_\_ 3 or More  
 \_\_\_\_\_ 1 to 3 Species  
 \_\_\_\_\_ No Species Found

**Group 3  
Pollution Tolerant**

mosquito larva  
0.3 in.

Gilled Snail  
0.5 in.

Freshwater Clam  
0.5 - 1.0 in.

Leeches  
to 3 in.

Aquatic Worm  
1 in.

Midge Larva  
0.2 in.

Number of Species Found  
 \_\_\_\_\_ 3 or More  
 \_\_\_\_\_ 1 to 3 Species  
 \_\_\_\_\_ No Species Found

**Conclusions:** (Remember that the data you are taking will not give conclusive evidence of clean or polluted water, but might indicate the need for further investigation.)

1. What conclusion can you draw if you found species in Group3, but not in Groups 1 or 2?
2. What conclusion can you draw if you found several different species in each of the groups?
3. What could be happening upstream, on land around the water upstream, or in your present location to affect the water quality where you are sampling?

This water appears to be:

Not Polluted

OK

Polluted