

Group Name: \_\_\_\_\_

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

## Stream Consciousness Activity – Worksheet Is this Stream Healthy or Not?

### Instructions: Hypothesis

Each team should form their hypothesis on whether or not they think the stream or sample to be investigated is healthy? Why or why not?)

Water Sample pH: \_\_\_\_\_

Water Sample Temperature: \_\_\_\_\_

| Class I<br>(Pollution<br>insensitive) | Quantity<br>Found | Class II<br>(Pollution<br>medium) | Quantity<br>Found | Class III<br>(Pollution<br>tolerant) | Quantity<br>Found |
|---------------------------------------|-------------------|-----------------------------------|-------------------|--------------------------------------|-------------------|
| Stonefly nymph                        |                   | Beetle larva                      |                   | Midge fly larva                      |                   |
| Mayfly nymph                          |                   | Sowbug                            |                   | Snails                               |                   |
| Dobsonfly larva                       |                   | Scud                              |                   | Leech                                |                   |
| Caddisfly larva                       |                   | Clams, mussels                    |                   | Aquatic worms                        |                   |
| Riffle Beetle                         |                   | Crayfish                          |                   |                                      |                   |
| Water penny                           |                   | Crane fly larva                   |                   |                                      |                   |
|                                       |                   | Dragonfly nymph                   |                   |                                      |                   |
|                                       |                   | Damselfly nymph                   |                   |                                      |                   |
|                                       |                   | Black fly larva                   |                   |                                      |                   |
| <b>TOTAL</b>                          |                   | <b>TOTAL</b>                      |                   | <b>TOTAL</b>                         |                   |

Other water sample observations: (odor, color, etc)

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Rating tool developed for water quality measurement:

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Overall Water Sample Rating:                      \_\_\_ Good                      \_\_\_Medium                      \_\_\_Bad

Explain why:

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