

Quantitative - transect (July 2006)

**St. Louis**

Sample # 1 - One woodstick.

Sample # 2 - 2 m transect.

Sample # 3 - 1/2 m depth, 1 m2 area transect, fast current, gravel rocks.

Sample # 4 - 1/2 m depth, 1 m2 area transect, fast current, gravel rocks.

**Ephemeroptera**

| Taxa                                     | #1 | #2 | #3 | #4 | TOTAL |           |
|--|----|----|----|----|-------|-----------|
| <i>Ephoron album</i> (Say)               |    | 0  | 4  | 21 | 0     | 25        |
| <i>Fallceon quilleri</i> (Dodds)         |    | 0  | 0  | 0  | 1     | 1         |
| <i>Heptagenia elegantula / diabasias</i> |    | 0  | 1  | 3  | 0     | 4         |
| <i>Isonychia compestris</i> McDunnough   |    | 0  | 0  | 1  | 1     | 2         |
| <i>Macafermium terminatum</i> (Walsh)    |    | 0  | 6  | 9  | 2     | 17        |
| <i>Tricorythodes</i> sp. 1               |    | 0  | 1  | 0  | 2     | 3         |
| Immature Baetidae sp.                    |    | 0  | 0  | 1  | 2     | 3         |
| Immature Heptageniidae sp.               |    | 0  | 11 | 9  | 7     | 27        |
| Unidentified Heptageniidae sp.           |    | 0  | 2  | 0  | 0     | 2         |
| <b>TOTAL SPECIMENS</b>                   |    |    |    |    |       | <b>84</b> |
| <b>TOTAL TAXA</b>                        |    |    |    |    |       | <b>6</b>  |

**Tricoptera**

| Taxa                                | #1 | #2 | #3 | #4 | TOTAL |           |
|-------------------------------------|----|----|----|----|-------|-----------|
| <i>Cheumatopsyche</i> sp. 1         |    | 0  | 3  | 0  | 1     | 4         |
| <i>Hydropsyche alternans</i> Walker |    | 0  | 0  | 1  | 0     | 1         |
| Immature Hydropsychidae sp.         |    | 0  | 2  | 3  | 3     | 8         |
| Pupa                                |    | 0  | 3  | 2  | 0     | 5         |
| <b>TOTAL SPECIMENS</b>              |    |    |    |    |       | <b>18</b> |
| <b>TOTAL TAXA</b>                   |    |    |    |    |       | <b>2</b>  |

**Diptera**

| Taxa | #1 | #2 | #3 | #4 | TOTAL |
|------|----|----|----|----|-------|
|------|----|----|----|----|-------|

|  |   |   |   |    |           |
|--|---|---|---|----|-----------|
| Chironomidae (larvae)                          | 1 | 9 | 9 | 10 | 29        |
| Chironomidae (pupa)                            | 0 | 1 | 0 | 1  | 2         |
| <b>TOTAL SPECIMENS</b>                         |   |   |   |    | <b>31</b> |
| <b>TOTAL SPECIMENS (excluding chironomids)</b> |   |   |   |    | <b>0</b>  |
| <b>TOTAL TAXA</b>                              |   |   |   |    | <b>0</b>  |

| <b>Taxa</b>               | <b>#1</b> | <b>#2</b> | <b>#3</b> | <b>#4</b> | <b>TOTAL</b> |
|---------------------------|-----------|-----------|-----------|-----------|--------------|
| <b>Odonata</b>            |           |           |           |           |              |
| <i>Ophiogomphus</i> sp. 1 | 0         | 1         | 1         | 0         | 2            |
| Immature Gomphidae sp.    | 0         | 0         | 0         | 1         | 1            |
| <b>Coleoptera</b>         |           |           |           |           |              |
| Carbaidae sp.             | 1         | 0         | 0         | 0         | 1            |
| Histeridae sp.            | 0         | 1         | 0         | 0         | 1            |
| <b>Hemiptera</b>          |           |           |           |           |              |
| Immature Hebridae sp.     | 0         | 0         | 0         | 1         | 1            |
| Bivalva                   | 0         | 1         | 8         | 8         | 17           |
| Collembora                | 3         | 0         | 0         | 0         | 3            |
| Copepod                   | 1         | 0         | 0         | 0         | 1            |
| Crayfish                  | 0         | 1         | 3         | 1         | 5            |
| Crustacean                | 0         | 1         | 0         | 0         | 1            |
| Oligochaetae              | 4         | 0         | 0         | 12        | 16           |
| Skin                      | Yes       | Yes       | Yes       | Yes       |              |
| T. case                   | 0         | 0         | 1         | 2         | 3            |

## SUMMARY

|  |     |
|--|-----|
| <b>Grand total insects</b>                       | 133 |
| <b>Grand total insects excluding chironomids</b> | 102 |
| <b>Total taxa</b>                                | 8   |

1  
#VALUE!

