

Quantitative - transect (Late August - early September 2006)

Lemsford Ferry

Sample # 1 - 1 m deep, rubble/cobble, 5 m transect.

Sample # 2 - 5 m transect, muddy, backwater.

Sample # 3 - Washing 10 rocks.

Sample # 4 - 5 m transect, mixed habitat.

Ephemeroptera

| Taxa | #1 | #2 | #3 | #4 | TOTAL | |
|--|----|----|----|----|-------|------------|
| <i>Centroptilum bifurcatum</i> McDunnough | | 0 | 3 | 2 | 2 | 7 |
| <i>Centroptilum conturbatum</i> McDunnough | | 0 | 5 | 0 | 0 | 5 |
| <i>Choroterpes albiannulata</i> McDunnough | | 2 | 2 | 3 | 3 | 10 |
| <i>Ephemera simulans</i> Walker | | 0 | 3 | 0 | 1 | 4 |
| <i>Ephoron album</i> (Say) | | 2 | 1 | 0 | 1 | 4 |
| <i>Fallceon quilleri</i> (Dodds) | | 2 | 1 | 0 | 0 | 3 |
| <i>Heptagenia elegantula / diabasia</i> | | 9 | 4 | 21 | 22 | 56 |
| <i>Hexagenia limbata</i> (Serville) | | 0 | 16 | 0 | 0 | 16 |
| <i>Isonychia compestris</i> McDunnough | | 3 | 0 | 0 | 0 | 3 |
| <i>Leucrocuta maculipennis</i> (Walsh) | | 43 | 14 | 25 | 26 | 108 |
| <i>Macafermium terminatum</i> (Walsh) | | 9 | 7 | 12 | 12 | 40 |
| <i>Traverella albertana</i> (McDunnough) | | 6 | 0 | 0 | 0 | 6 |
| <i>Tricorythodes</i> sp. 1 | | 0 | 0 | 0 | 1 | 1 |
| Immature Heptageniidae sp. | | 11 | 0 | 2 | 3 | 16 |
| Unidentified Heptageniidae sp. | | 1 | 0 | 0 | 0 | 1 |
| Unidentified sp. | | 1 | 0 | 0 | 0 | 1 |
| TOTAL SPECIMENS | | | | | | 281 |
| TOTAL TAXA | | | | | | 13 |

Plecoptera

| Taxa | #1 | #2 | #3 | #4 | TOTAL | |
|-------------------------------------|----|----|----|----|-------|----------|
| <i>Acroneuria abnormis</i> (Newman) | | 2 | 1 | 1 | 2 | 6 |
| Immature Perlidae sp. | | 0 | 0 | 0 | 1 | 1 |
| TOTAL SPECIMENS | | | | | | 7 |
| TOTAL TAXA | | | | | | 1 |

Tricoptera

| Taxa | #1 | #2 | #3 | #4 | TOTAL |
|-----------------------------|----|----|----|----|-----------|
| <i>Cheumatopsyche</i> sp. 1 | 5 | 0 | 1 | 2 | 8 |
| Immature Hydropsychidae sp. | 1 | 0 | 0 | 1 | 2 |
| TOTAL SPECIMENS | | | | | 10 |
| TOTAL TAXA | | | | | 1 |

Diptera

| Taxa | #1 | #2 | #3 | #4 | TOTAL |
|--|----|----|----|----|-----------|
| Ceratopogonidae (larvae) | 0 | 0 | 0 | 1 | 1 |
| Chironomidae (larvae) | 5 | 11 | 1 | 2 | 19 |
| Chironomidae (pupa) | 2 | 0 | 0 | 0 | 2 |
| Simuliidae (larvae) | 0 | 1 | 0 | 0 | 1 |
| TOTAL SPECIMENS | | | | | 23 |
| TOTAL SPECIMENS (excluding chironomids) | | | | | 2 |
| TOTAL TAXA | | | | | 0 |

| Taxa | #1 | #2 | #3 | #4 | TOTAL |
|------------------------------------|-----|-----|-----|-----|-------|
| Odonata | | | | | |
| <i>Stylurus</i> sp. 1 | 0 | 1 | 0 | 1 | 2 |
| Immature Gomphidae sp. | 3 | 1 | 1 | 2 | 7 |
| Coleoptera | | | | | |
| <i>Uvarus</i> sp. 1 | 16 | 0 | 2 | 2 | 20 |
| Hemiptera | | | | | |
| <i>Hesperocorixa</i> sp.? | 0 | 1 | 1 | 1 | 3 |
| Immature Corixidae sp. | 0 | 2 | 1 | 2 | 5 |
| Bivalva | 1 | 2 | 1 | 1 | 5 |
| Collembora | 0 | 1 | 0 | 0 | 1 |
| Fish | 0 | 1 | 0 | 0 | 1 |
| <i>Hydra</i> sp. | 1 | 0 | 0 | 0 | 1 |
| Oligochaetae-like organism (white) | 0 | 0 | 0 | 1 | 1 |
| Skin | Yes | Yes | Yes | Yes | |
| T. case | 0 | 0 | 0 | 0 | 1 |

SUMMARY

| | |
|--|-----|
| Grand total insects | 321 |
| Grand total insects excluding chironomids | 300 |
| Total taxa | 15 |