

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLES AT LOCATION WEST CREEK (WC7.90), JULY 2008.

| TAXA | HESTER | | QUAL | |
|--------------------------------------|--------|--------|------|--------|
| | # | % | # | % |
| Turbellaria | 8 | 0.71 | 3 | 7.14 |
| Oligochaeta | 16 | 1.42 | -- | -- |
| Baetis flavistriga | 24 | 2.13 | 4 | 9.52 |
| Hetaerina | 1 | 0.09 | -- | -- |
| Enallagma | 2 | 0.18 | -- | -- |
| Aeshna | 4 | 0.36 | 3 | 7.14 |
| Archilestes grandis | -- | -- | 5 | 11.90 |
| Cheumatopsyche | -- | -- | 1 | 2.38 |
| Hydropsyche depravata grp. | -- | -- | 2 | 4.76 |
| Hydroptila | 1 | 0.09 | -- | -- |
| Ceratopogonidae | -- | -- | 1 | 2.38 |
| Nilotanypus | -- | -- | 1 | 2.38 |
| Thienemannimyia grp. | 568 | 50.49 | 5 | 11.90 |
| Corynoneura lobata | 24 | 2.13 | -- | -- |
| Cricotopus tremulus grp. | -- | -- | 1 | 2.38 |
| Cricotopus bicinctus grp. | 24 | 2.13 | -- | -- |
| Cricotopus sylvestris grp. | -- | -- | 1 | 2.38 |
| Nanocladius crassicornus/rectinervis | 104 | 9.24 | -- | -- |
| Chironomus | 8 | 0.71 | 3 | 7.14 |
| Dicrotendipes | -- | -- | 5 | 11.90 |
| Phaenopsectra flavipes | 32 | 2.84 | 1 | 2.38 |
| Polypedilum flavum | 24 | 2.13 | -- | -- |
| Polypedilum illinoense | 24 | 2.13 | -- | -- |
| Micropsectra | 168 | 14.93 | -- | -- |
| Paratanytarsus | 88 | 7.82 | -- | -- |
| Anopheles | -- | -- | 3 | 7.14 |
| Simulium | -- | -- | 2 | 4.76 |
| Tipula | -- | -- | 1 | 2.38 |
| Hemerodromia | 4 | 0.36 | -- | -- |
| Helisoma | 1 | 0.09 | -- | -- |
| TOTAL | 1125 | 100.00 | 42 | 100.00 |
| TOTAL TAXA | 19 | | 17 | |

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLES AT LOCATION WEST CREEK (WC3.65), JULY 2008.

| TAXA | HESTER | | QUAL | |
|--------------------------------------|--------|--------|------|--------|
| | # | % | # | % |
| Turbellaria | 64 | 1.58 | 1 | 2.94 |
| Oligochaeta | 257 | 6.33 | -- | -- |
| Caecidotea | 19 | 0.47 | 1 | 2.94 |
| Crangonyx | 1 | 0.02 | -- | -- |
| Baetis intercalaris | -- | -- | 1 | 2.94 |
| Baetis flavistriga | 616 | 15.16 | 5 | 14.71 |
| Calopteryx | -- | -- | 2 | 5.88 |
| Cheumatopsyche | 354 | 8.71 | 2 | 5.88 |
| Hydropsyche depravata grp. | 65 | 1.60 | 3 | 8.82 |
| Ceratopsyche morosa | 18 | 0.44 | -- | -- |
| Ceratopsyche sparna | 4 | 0.10 | -- | -- |
| Hydroptila | 170 | 4.19 | 3 | 8.82 |
| Ancyronyx variegata | -- | -- | 1 | 2.94 |
| Stenelmis | 10 | 0.25 | 3 | 8.82 |
| Tropisternus | -- | -- | 2 | 5.88 |
| Ablabesmyia mallochii | 48 | 1.18 | -- | -- |
| Thienemannimyia grp. | 176 | 4.33 | -- | -- |
| Corynoneura lobata | 96 | 2.36 | -- | -- |
| Thienemanniella xena | 144 | 3.55 | -- | -- |
| Cardiocladius | -- | -- | 1 | 2.94 |
| Cricotopus tremulus grp. | 464 | 11.42 | 1 | 2.94 |
| Cricotopus bicinctus grp. | 640 | 15.76 | 3 | 8.82 |
| Nanocladius crassicornus/rectinervis | 32 | 0.79 | -- | -- |
| Chironomus | -- | -- | 1 | 2.94 |
| Cryptochironomus | 32 | 0.79 | -- | -- |
| Dicrotendipes neomodestus | 48 | 1.18 | -- | -- |
| Microtendipes | 32 | 0.79 | -- | -- |
| Paratendipes | 32 | 0.79 | -- | -- |
| Polypedilum fallax grp. | 32 | 0.79 | -- | -- |
| Polypedilum flavum | 144 | 3.55 | -- | -- |
| Polypedilum illinoense | 32 | 0.79 | -- | -- |
| Polypedilum scalaenum grp. | 80 | 1.97 | -- | -- |
| Paratanytarsus | 176 | 4.33 | -- | -- |
| Tanytarsus glabrescens grp. | 224 | 5.51 | -- | -- |
| Tanytarsus sepp | 48 | 1.18 | -- | -- |
| Simulium | -- | -- | 1 | 2.94 |
| Tipula | 1 | 0.02 | -- | -- |
| Hemerodromia | 2 | 0.05 | -- | -- |
| Muscidae | -- | -- | 2 | 5.88 |
| Fossaria | -- | -- | 1 | 2.94 |
| Helisoma | 1 | 0.02 | -- | -- |
| TOTAL | 4062 | 100.00 | 34 | 100.00 |
| TOTAL TAXA | 32 | | 18 | |

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLES AT LOCATION WEST CREEK (WC2.40), AUGUST 2008.

| TAXA | HESTER | | QUAL | |
|--------------------------------------|--------|--------|------|--------|
| | # | % | # | % |
| Turbellaria | 32 | 1.43 | 3 | 4.29 |
| Oligochaeta | 192 | 8.58 | 2 | 2.86 |
| Baetis flavistriga | 382 | 17.06 | 7 | 10.00 |
| Cheumatopsyche | 104 | 4.64 | 2 | 2.86 |
| Hydropsyche depravata grp. | 5 | 0.22 | 1 | 1.43 |
| Ceratopsyche morosa | 40 | 1.79 | 1 | 1.43 |
| Ceratopsyche sparna | 164 | 7.32 | 12 | 17.14 |
| Hydroptila | 8 | 0.36 | -- | -- |
| Stenelmis | -- | -- | 1 | 1.43 |
| Tropisternus | -- | -- | 1 | 1.43 |
| Ablabesmyia mallochi | -- | -- | 1 | 1.43 |
| Thienemannimyia grp. | 72 | 3.22 | 4 | 5.71 |
| Corynoneura lobata | 56 | 2.50 | -- | -- |
| Thienemanniella xena | 24 | 1.07 | -- | -- |
| Cardiocladius | 16 | 0.71 | 3 | 4.29 |
| Cricotopus tremulus grp. | 256 | 11.43 | 4 | 5.71 |
| Cricotopus sylvestris grp. | -- | -- | 1 | 1.43 |
| Nanocladius crassicornus/rectinervis | 24 | 1.07 | -- | -- |
| Dicrotendipes neomodestus | -- | -- | 1 | 1.43 |
| Dicrotendipes fumidus | -- | -- | 5 | 7.14 |
| Paratendipes | -- | -- | 2 | 2.86 |
| Phaenopsectra obediens | -- | -- | 2 | 2.86 |
| Polypedilum fallax grp. | 16 | 0.71 | -- | -- |
| Polypedilum flavum | 616 | 27.51 | 2 | 2.86 |
| Polypedilum illinoense | 16 | 0.71 | -- | -- |
| Paratanytarsus | 56 | 2.50 | -- | -- |
| Tanytarsus | -- | -- | 7 | 10.00 |
| Tanytarsus glabrescens grp. | 136 | 6.07 | -- | -- |
| Tanytarsus sepp | 24 | 1.07 | -- | -- |
| Simulium | -- | -- | 3 | 4.29 |
| Muscidae | -- | -- | 5 | 7.14 |
| TOTAL | 2239 | 100.00 | 70 | 100.00 |
| TOTAL TAXA | 20 | | 22 | |

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLES AT LOCATION WEST CREEK (WCL.60), JULY 2008.

| TAXA | HESTER | | QUAL | |
|--------------------------------------|--------|--------|------|--------|
| | # | % | # | % |
| Turbellaria | -- | -- | 3 | 2.83 |
| Oligochaeta | 288 | 8.14 | 8 | 7.55 |
| Erpobdella punctata punctata | 3 | 0.08 | -- | -- |
| Mooreobdella microstoma | -- | -- | 2 | 1.89 |
| Caecidotea | 1 | 0.03 | 2 | 1.89 |
| Crangonyx | 2 | 0.06 | 3 | 2.83 |
| Baetis intercalaris | -- | -- | 1 | 0.94 |
| Baetis flavistriga | -- | -- | 11 | 10.38 |
| Calopteryx | -- | -- | 1 | 0.94 |
| Archilestes grandis | -- | -- | 1 | 0.94 |
| Cheumatopsyche | 10 | 0.28 | 1 | 0.94 |
| Hydropsyche depravata grp. | 1 | 0.03 | 6 | 5.66 |
| Ceratopsyche morosa | -- | -- | 2 | 1.89 |
| Ceratopsyche sparna | 2 | 0.06 | 7 | 6.60 |
| Hydroptila | 6 | 0.17 | 3 | 2.83 |
| Ancyronyx variegata | -- | -- | 1 | 0.94 |
| Dubiraphia | 1 | 0.03 | 1 | 0.94 |
| Stenelmis | 23 | 0.65 | 13 | 12.26 |
| Ablabesmyia mallochi | 128 | 3.62 | -- | -- |
| Thienemannimyia grp. | 192 | 5.43 | 5 | 4.72 |
| Corynoneura lobata | 32 | 0.90 | -- | -- |
| Thienemanniella xena | 128 | 3.62 | -- | -- |
| Cardiocladius | -- | -- | 6 | 5.66 |
| Cricotopus tremulus grp. | 544 | 15.38 | -- | -- |
| Cricotopus bicinctus grp. | 320 | 9.04 | 3 | 2.83 |
| Cricotopus sylvestris grp. | 32 | 0.90 | -- | -- |
| Nanocladius distinctus | -- | -- | 1 | 0.94 |
| Nanocladius crassicornus/rectinervis | 192 | 5.43 | -- | -- |
| Chironomus | 160 | 4.52 | 5 | 4.72 |
| Cryptochironomus | 32 | 0.90 | -- | -- |
| Dicrotendipes neomodestus | 96 | 2.71 | 1 | 0.94 |
| Glyptotendipes | 32 | 0.90 | -- | -- |
| Microtendipes | -- | -- | 1 | 0.94 |
| Paratendipes | 32 | 0.90 | 1 | 0.94 |
| Phaenopsectra flavipes | 64 | 1.81 | -- | -- |
| Phaenopsectra obediens grp. | 160 | 4.52 | -- | -- |
| Polypedilum fallax grp. | 96 | 2.71 | -- | -- |
| Polypedilum flavum | 192 | 5.43 | 1 | 0.94 |
| Polypedilum illinoense | 64 | 1.81 | 5 | 4.72 |
| Polypedilum scalaenum grp. | 64 | 1.81 | -- | -- |
| Paratanytarsus | 448 | 12.66 | -- | -- |
| Tanytarsus | -- | -- | 1 | 0.94 |
| Tanytarsus glabrescens grp. | 128 | 3.62 | -- | -- |
| Tanytarsus sepp | 64 | 1.81 | -- | -- |
| Anopheles | -- | -- | 4 | 3.77 |
| Simulium | -- | -- | 4 | 3.77 |
| Tipula | -- | -- | 1 | 0.94 |
| Physa | -- | -- | 1 | 0.94 |
| Helisoma | 1 | 0.03 | -- | -- |
| TOTAL | 3538 | 100.00 | 106 | 100.00 |
| TOTAL TAXA | 33 | | 32 | |

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLES AT LOCATION WEST CREEK (WC0.20), JULY 2008.

| TAXA | HESTER | | QUAL | |
|--------------------------------------|--------|--------|------|--------|
| | # | % | # | % |
| Turbellaria | 8 | 0.54 | 2 | 2.90 |
| Oligochaeta | 121 | 8.20 | 3 | 4.35 |
| Mooreobdella microstoma | 3 | 0.20 | 1 | 1.45 |
| Crangonyx | -- | -- | 1 | 1.45 |
| Baetis flavistriga | 274 | 18.58 | 8 | 11.59 |
| Hetaerina | -- | -- | 5 | 7.25 |
| Trichocorixa | -- | -- | 1 | 1.45 |
| Cheumatopsyche | 9 | 0.61 | -- | -- |
| Hydropsyche depravata grp. | 5 | 0.34 | -- | -- |
| Ceratopsyche morosa | 10 | 0.68 | 2 | 2.90 |
| Ceratopsyche sparna | 7 | 0.47 | 2 | 2.90 |
| Hydroptila | 20 | 1.36 | 4 | 5.80 |
| Stenelmis | 4 | 0.27 | 8 | 11.59 |
| Atrichopogon | 1 | 0.07 | -- | -- |
| Ablabesmyia mallochi | 8 | 0.54 | 4 | 5.80 |
| Thienemannimyia grp. | 104 | 7.05 | 4 | 5.80 |
| Thienemanniella xena | 8 | 0.54 | -- | -- |
| Cardiocladius | -- | -- | 6 | 8.70 |
| Cricotopus tremulus grp. | 8 | 0.54 | -- | -- |
| Cricotopus bicinctus grp. | 40 | 2.71 | -- | -- |
| Nanocladius distinctus | 40 | 2.71 | -- | -- |
| Nanocladius crassicornus/rectinervis | 176 | 11.93 | -- | -- |
| Chironomus | 24 | 1.63 | 6 | 8.70 |
| Cryptochironomus | 8 | 0.54 | -- | -- |
| Paratendipes | 24 | 1.63 | -- | -- |
| Phaenopsectra flavipes | 32 | 2.17 | -- | -- |
| Phaenopsectra obediens grp. | -- | -- | 2 | 2.90 |
| Polypedilum fallax grp. | 80 | 5.42 | -- | -- |
| Polypedilum flavum | 8 | 0.54 | -- | -- |
| Polypedilum illinoense | 280 | 18.98 | 2 | 2.90 |
| Polypedilum scalaenum grp. | 8 | 0.54 | -- | -- |
| Micropsectra | 8 | 0.54 | -- | -- |
| Paratanytarsus | 96 | 6.51 | -- | -- |
| Rheotanytarsus | 8 | 0.54 | -- | -- |
| Tanytarsus glabrescens grp. | 40 | 2.71 | -- | -- |
| Tanytarsus sepp | 8 | 0.54 | -- | -- |
| Anopheles | -- | -- | 3 | 4.35 |
| Simulium | 1 | 0.07 | 4 | 5.80 |
| Tipula | -- | -- | 1 | 1.45 |
| Antocha | 2 | 0.14 | -- | -- |
| Hemerodromia | 2 | 0.14 | -- | -- |
| TOTAL | 1475 | 100.00 | 69 | 100.00 |
| TOTAL TAXA | 34 | | 20 | |