## **Field Results for Bushkill Stream Study – September 22, 2011 – CLASS COPY**

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| --- | --- | --- | --- | --- | --- | --- |
| Morning GroupLocation - Jacobsburg | Example | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| pH | 7.84 | 8.2 | 7.8 |  |  |  |
| Alkalinity (mg/L as CaCO3) | 160 | 80 |  |  |  |  |
| Turbidity (NTU) | 1.75 | 2.74 | 2.68 |  |  |  |
| DO (mg/L as O2) | 8.0  | 7.5\* | 6.5\* | \*Suspect readings |  |  |
| Conductivity (uS/cm) | 638 | 146.2 | 146.4 |  |  |  |
| Temperature (o C) | 13.5 | 16.8 | 17.0 |  |  |  |
| Macroinvertebrate | 20 Mayfly8 Worms2 Snails1 Leech≈170 Caddis flies87 Scuds24 Caddis fly larvae | 23 caddisflies8 mayflies1 water penny1 dragonfly1 crawfish2 aquatic worms1 snail | 25 caddisflies10 mayflies5 aquatic worms2 midges1 sowbug1 black-nosed dace (fish) | 1 caddisfly6 mayflies1 stonefly1 water penny1 dobsonfly1 dragonfly1 aquatic worms1 riffle beetle | 17 caddisflies2 mayflies1 stonefly1 water penny1 dobsonfly3 riffle beetles |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Afternoon GroupLocation – Penn Pump Park | Example | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| pH | 7.84 | 7.5 | 7.75 |  |  |  |
| Alkalinity (mg/L as CaCO3) | 160 | 140 |  |  |  |  |
| Turbidity (NTU) | 1.75 | 1.78 | 1.75 |  |  |  |
| DO (mg/L as O2) | 8.0  | 10.2 | 10.4 |  |  |  |
| Conductivity (uS/cm) | 638 | 425 | 419 |  |  |  |
| Temperature (o C) | 13.5 | 17.1 | 17.3 |  |  |  |
| Macroinvertebrate | 20 Mayfly8 Worms2 Snails1 Leech≈170 Caddis flies87 Scuds24 Caddis fly larvae | 63 caddisflies39 mayflies1 stonefly1 water penny4 riffle beetles 1 scud3 planarians | 8 caddisflies28 mayflies1 water penny1 riffle beetle4 scuds1 aquatic worm | 45 caddisflies47 mayflies2 water penny1 riffle beetle1 planarian1 aquatic worm | 38 caddisflies26 mayflies1 stonefly3 water penny3 scuds1 aquatic worms |  |