**Lesson 6 – Sticky Trap Supplement:**

**Extend**: Below is Mayfly data from the spring of 2013 collected at the Wappinger Creek on the Cary Institute property.

|  |  |  |
| --- | --- | --- |
| Date | Mayflies (Larval Average) |  Mayflies (Adult Average) |
| 3/26/2013 | 19.5 |  |
| 4/3/2013 | 17.5 |  |
| 4/11/2013 | 16 |  |
| 4/17/2013 | 27 |  |
| 4/24/2013 | 51 | 3.2 |
| 5/1/2013 | 69 | 0.2 |
| 5/7/2013 | 74 | 0.4 |
| 5/14/2013 | 168 | 1.8 |
| 5/22/2013 | 71 | 2.0 |
| 5/29/2013 | 63 | 6.2 |
| 6/6/2013 | 76 | 4.0 |
| 6/12/2013 | 65 | 1.2 |

Discuss with students the graph and data. How does collecting data for a longer period of time help us tell the Mayfly’s story? What can we infer is happening between the weeks of May 14th and May 29th? Have students graph the Stonefly and Mayfly data – are these graphs as helpful in telling us about the emergence of these insects as the mayfly data?

|  |  |  |
| --- | --- | --- |
| Date | Stoneflies (Larval Average) | Stoneflies (Adult Average) |
| 3/26/2013 | 6 |  |
| 4/3/2013 | 8.5 |  |
| 4/11/2013 | 2 |  |
| 4/17/2013 | 0 |  |
| 4/24/2013 | 1 | 0.4 |
| 5/1/2013 | 4 | 0.6 |
| 5/7/2013 | 3 | 0.2 |
| 5/14/2013 | 29 | 0.3 |
| 5/22/2013 | 28 | 0.0 |
| 5/29/2013 | 57.5 | 0.4 |
| 6/6/2013 | 23 | 0.2 |
| 6/12/2013 | 24 | 0.2 |

|  |  |  |
| --- | --- | --- |
| Date | Caddisflies (Larval Average) | Caddisflies (Adult Average) |
| 3/26/2013 | 3 |  |
| 4/3/2013 | 7.5 |  |
| 4/11/2013 | 6 |  |
| 4/17/2013 | 5 |  |
| 4/24/2013 | 7 | 10.2 |
| 5/1/2013 | 17 | 6.8 |
| 5/7/2013 | 3 | 19.4 |
| 5/14/2013 | 32 | 11.0 |
| 5/22/2013 | 13 | 17.0 |
| 5/29/2013 | 27 | 6.6 |
| 6/6/2013 | 42 | 10.4 |
| 6/12/2013 | 160 | 3.6 |