













Dougherty's Fly Box - Aquatic Insects

Aquatic Macroinvertebrate	Scientific Name	Common Fly Name
 <p style="text-align: center;">6 - 15 mm</p>	<i>Epeorus pleuralis</i> , 1*	Quill Gordon
<p style="text-align: center;">3 mm, §</p>	<i>Heptagenidae leucrocuta</i> , 2	Pale Evening Dun
 <p style="text-align: center;">3 - 9 mm</p>	<i>Heptagenidae stenacron</i> , 1, 2	Light Cahill or Pale Evening Dun
 <p style="text-align: center;">4 - 10 mm</p>	<i>Ephemerellidae ephemerella</i> , 1*, 2*	Hendrickson or Pale Evening Dun
<p style="text-align: center;">8 - 12 mm, §</p>	<i>Ephemeroptera stenonema</i> , 1, 2	Cream Cahill
 <p style="text-align: center;">2 - 6 mm</p>	<i>Baetidae baetis</i> , 1, 2*	Blue-winged Olive
<p style="text-align: center;">4 mm, §</p>	<i>Baetidae acentrella</i> , 2	Blue-winged Olive





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 <p style="text-align: center;">14 mm</p>	<i>Isonychia sp.</i> , 3	Bicolor or White-Gloved Howdy or Isonychia
4 - 7 mm, §	<i>Leptophlebiidae sp.</i> , 1, 2	Slate-Winged Mahogany Dun
5 mm, §	<i>Limnephilidae goerita</i> , 2	Cased Caddis or Cased Sedge
 <p style="text-align: center;">6 - 16 mm</p>	<i>Hydropsychidae hydropsyche</i> , 1*, 2	Hydropsyche Caddis, Tan or Olive Caddis or Spotted Sedge
 <p style="text-align: center;">3 - 13 mm</p>	<i>Rhyacophilidae rhyacophila</i> , 2	Rhyacophila Caddis, Olive or Green Caddis, Green Sedge or Green Rock Worm
 <p style="text-align: center;">4 - 13 mm</p>	<i>Philopotamidae dolophilodes</i> , 1*, 2	Little Caddis or Little Sedge
3 mm, §	<i>Brachycentridae micasema</i> , 2	Grannon
1 mm, §	<i>Hydroptilidae hydroptila</i> , 2	Vari-Colored Micro Caddis



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 <p style="text-align: center;">19 mm</p>	<p><i>Pteronarcys sp.</i>, 1</p>	<p>Giant Black Stonefly</p>
 <p style="text-align: center;">11 - 30 mm (body length)</p>	<p><i>Acroneuria sp.</i>, 1</p>	<p>Giant Golden Stonefly</p>
<p>8 mm, §</p>	<p><i>Perudae acroneuria</i>, 2</p>	<p>Brown Willow Fly or Golden Stonefly</p>
<p>4 mm, §</p>	<p><i>Perlodidae isoperla</i>, 2</p>	<p>Yellow Sally</p>
<p>4 mm, §</p>	<p><i>Leuctridae leuctra</i>, 2</p>	<p>Needle Fly or Little Brown Stonefly</p>
<p>4 mm, §</p>	<p><i>Simulium tuberosum</i>, 1</p>	<p>Black Gnat</p>
<p>4 mm, §</p>	<p><i>Simulium Vittatum</i>, 2</p>	<p>Black Gnat</p>
 <p style="text-align: center;">3 - 9 mm</p>	<p><i>Chronomidae sp.</i>, 1, 2*</p>	<p>Chronomide or Midge</p>
 <p style="text-align: center;">3 - 6 mm</p>	<p><i>Tipulidae antocha sp.</i>, 2</p>	<p>Cranefly</p>

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 <p style="text-align: center;">32 mm</p>	<i>Corydalus sp.</i> , 3	Hellgrammite or Dobson Fly
2 - 4 mm, §	<i>Asellidae caecidotea</i> , 2	Cress Bug
 <p style="text-align: center;">4 - 12 mm</p>	<i>Asellidae lirceus</i> , 2*	Cress Bug
4 mm, §	<i>Elmidae gonielmis</i> , 1	Riffle beetle
2 mm, §	<i>Elmidae macronychus</i> , 1	Riffle beetle
 <p style="text-align: center;">4 - 7 mm</p>	<i>Elmidae optioservus</i> , 1, 2	Riffle beetle
3 mm, §	<i>Elmidae stenelmis</i> , 2	Riffle beetle
1 mm, §	<i>Hydracarina sp.</i> , 2	Water Mite
 <p style="text-align: center;">10 mm</p>	<i>Planaria sp.</i> , 1	Flat worm

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 <p style="text-align: center;">2 - 20 mm</p>	<i>Oligochaeta sp.</i> , 1, 2*	Aquatic Earthworm
 <p style="text-align: center;">15 - 28 mm</p>	<i>Astacidae cambarus</i> , 1	Crayfish
2 mm, §	<i>Conchostraca sp.</i> , 2	Clam Shrimp
2 mm, §	<i>Mollusca sp.</i> , 1	Freshwater Mussel

KEY

Mayflies = Yellow
Caddis flies = Green
Stoneflies = Orange
Other = Grey

Pennsylvania specimens collected at: 1 = Clarks Creek, Dauphin County
 2 = Spring Creek, Centre County
 3 = Swatara Creek, Dauphin County

1 mm = Scale increment most readily visible in the pictures above.
 § = No photo provided due to small size or poor specimen quality.
 * = Prolific in comparison to other specimens (> 10 collected).