

Benthic macroinvertebrate sampling results from  
the West Branch of the Susquehanna River  
between Curwensville and Clearfield, Pennsylvania.

Conducted by the West Branch Susquehanna Restoration Coalition  
for the Old Town Sportsmen's Club in

August 2008.

Order	Family	Genus	Common Name	Individuals Collected
<b>The West Branch: Upstream from confluence with Anderson Creek in Curwensville</b>				
Collected on August 27, 2008 at latitude N 40.9614 and longitude W 78.519083				
Coleoptera	Psephenidae	Ectopria	Beetle <sup>1.i.</sup>	1
Diptera	Chironomidae		Midge <sup>1.b.</sup>	4
Diptera	Tipulidae		Cranefly <sup>1.h.</sup>	1
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d.</sup>	17
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	18
Ephemeroptera	Heptageniidae			8
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c.</sup>	7
Ephemeroptera	Leptophlebiidae	Leptophlebia	Black Quill <sup>1.a.</sup>	1
Megaloptera	Corydalidae	Corydalus	Hellgrammite, Woolly Bugger <sup>1.g.</sup>	1
Megaloptera	Corydalidae		Woolly Bugger <sup>1.g.</sup>	1
Plecoptera	Nemouridae	Nemoura	Tiny Winter Blacks <sup>2</sup>	5
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f.</sup>	2
Tricoptera	Hydropsychidae			72
<b>The West Branch: Downstream from confluence with Anderson Creek</b>				
Collected on August 27, 2008 at latitude N 40.97805 and longitude 78.504517				
Coleoptera	Elmidae	Promoresia	Beetle <sup>1.i.</sup>	1
Diptera	Chironomidae		Midge <sup>1.b.</sup>	2
Ephemeroptera	Baetidae	Acentrella	Miniature Blue-Winged Olive <sup>2</sup>	2
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d.</sup>	1
Ephemeroptera	Baetidae	Heterocleon	Blue-Winged Olive <sup>2</sup>	1
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	9
Ephemeroptera	Heptageniidae	Stenonema	March Browns and Cahills <sup>2</sup>	1
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c.</sup>	5
Megaloptera	Corydalidae	Corydalus	Hellgrammite, Woolly Bugger <sup>1.g.</sup>	2
Tricoptera	Hydropsychidae	Hydropsyche	Spotted Sedge <sup>1.e.</sup>	14
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f.</sup>	26
<b>The West Branch: Downstream from confluence with Hogback Run</b>				
Collected on August 27, 2008 at latitude N 40.9654 and longitude 78.490283				
Diptera	Blephariceridae		Net-Veined Midges <sup>2</sup>	1
Ephemeroptera	Baetidae	Acentrella	Miniature Blue-Winged Olive <sup>2</sup>	3
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d.</sup>	10
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	90
Ephemeroptera	Heptageniidae	Heptagenia		3
Ephemeroptera	Heptageniidae	Stenacron	Light Cahill <sup>1.k.</sup>	25
Ephemeroptera	Heptageniidae	Stenonema	March Browns and Cahills <sup>2</sup>	40
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c.</sup>	8
Ephemeroptera	Leptophlebiidae			1

Ephemeroptera	Polymitarcidae	Ephoron	White Fly <sup>1.j</sup>	1
Megaloptera	Corydalidae	Nigronia	Hellgrammite, Woolly Bugger <sup>1.g</sup>	1
Pelecypoda	Sphaeridae		Clam	10
Plecoptera	Perlodidae	Malirekus	Medium Browns and Yellows <sup>2</sup>	7
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f</sup>	64

**The West Branch: Downstream from confluence with Hartshorn Run**

Collected on August 26, 2008 at latitude N 40.981417 and longitude W 78.4958

Coleoptera	Elmidae	Stenelmis	Beetle <sup>1.i</sup>	2
Diptera	Chironomidae		Midge <sup>1.b</sup>	39
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d</sup>	21
Ephemeroptera	Baetidae	Heterocleon	Blue-Winged Olive <sup>2</sup>	25
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	27
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c</sup>	32
Ephemeroptera	Leptophlebiidae		Black Quills and Blue Quills <sup>2</sup>	1
Megaloptera	Corydalidae	Corydalus	Hellgrammite, Woolly Bugger <sup>1.g</sup>	8
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f</sup>	80
Tricoptera	Hydropsychidae	Hydropsyche	Spotted Sedge <sup>1.e</sup>	22
Tricoptera	Hydroptilidae	Orthotrichia	Microcaddisflies <sup>2</sup>	1
Tricoptera	Leptoceridae	Ceraclea		5
Tricoptera	Philopotamiidae	Chimarra	Dark Blue Sedge <sup>1.l</sup>	5

**The West Branch: Downstream from bridge at Hyde and confluence with Montgomery Creek**

Collected on August 26, 2008 at latitude N 41.00495 and longitude W 78.4574

Coleoptera	Elmidae	Optioservus	Beetle <sup>1.i</sup>	6
Coleoptera	Ptilodactylidae	Anchytarsus	Beetle <sup>1.i</sup>	1
Diptera	Blephariceridae		Net-Veined Midges <sup>2</sup>	1
Diptera	Chironomidae		Midge <sup>1.b</sup>	9
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d</sup>	63
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	16
Ephemeroptera	Heptageniidae	Heptagenia		21
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c</sup>	32
Megaloptera	Corydalidae	Corydalus	Hellgrammite, Woolly Bugger <sup>1.g</sup>	13
Tricoptera	Brachycentridae	Oligoplectrum		1
Tricoptera	Glossosomatidae	Glossosoma	Little Black Short-Horned Sedge <sup>2</sup>	3
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f</sup>	93
Tricoptera	Polycentropidae	Cynellus		1

**The West Branch: Adjacent Lower Witmer Park in Clearfield borough**

Collected on August 26, 2008 at latitude N 41.023233 and longitude W 78.4407.

Amphipoda	Gammaridae	Gammarus	Scud	3
Diptera	Chironomidae		Midge <sup>1.b</sup>	11
Ephemeroptera	Baetidae	Acentrella	Miniature Blue-Winged Olive <sup>2</sup>	1
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	68
Ephemeroptera	Heptageniidae	Stenonema	March Browns and Cahills <sup>2</sup>	1
Megaloptera	Sialidae	Sialis	Alderfly, Woolly Bugger <sup>1.g</sup>	1
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f</sup>	1
Tricoptera	Leptoceridae	Mystacides		11

**The West Branch: Spillway of Raftsmen's Dam in Clearfield borough**

Collected on August 26, 2008 at latitude N 41.02884 and longitude W 78.43741.

Coleoptera	Elmidae	Stenelmis	Beetle <sup>1.i.</sup>	4
Diptera	Chironomidae		Midge <sup>1.b.</sup>	30
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d</sup>	10
Ephemeroptera	Baetidae	Heterocleon	Blue-Winged Olive <sup>2</sup>	72
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	29
Ephemeroptera	Heptageniidae	Stenacron	Light Cahill <sup>1.k.</sup>	3
Ephemeroptera	Heptageniidae	Stenonema	March Browns and Cahills <sup>2</sup>	16
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c.</sup>	10
Megaloptera	Corydalidae	Corydalus	Hellgrammite, Woolly Bugger <sup>1.g</sup>	8
Plecoptera	Leuctridae	Leuctra	Tiny Winter Blacks <sup>2</sup>	1
Plecoptera	Nemouridae	Nemoura	Tiny Winter Blacks <sup>2</sup>	1
Tricoptera	Glossosomatidae	Glossosoma	Little Black Short-Horned Sedge <sup>2</sup>	2
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f</sup>	136
Tricoptera	Hydropsychidae	Hydropsyche	Spotted Sedge <sup>1.e.</sup>	1
Tricoptera	Hydropsychidae	Macrostemum	Glossy Wing Sedges <sup>2</sup>	3
Tricoptera	Hydroptilidae	Ochrotrichia	Microcaddisflies <sup>2</sup>	2
Tricoptera	Limnephilidae		Northern Caddisflies <sup>2</sup>	4
Tricoptera	Philopotamiidae	Chimarra	Dark Blue Sedge <sup>1.l.</sup>	1

**The West Branch: Adjacent Elliot's Park in Clearfield borough**

Collected on August 26, 2008 at latitude N 41.03165 and longitude W 78.416183.

Coleoptera	Elmidae	Optioservus	Beetle <sup>1.i.</sup>	2
Diptera	Chironomidae		Midge <sup>1.b.</sup>	10
Diptera	Tipulidae	Tipula	Cranefly <sup>1.h.</sup>	1
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d</sup>	7
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	8
Ephemeroptera	Heptageniidae	Leucrocuta	Hebe <sup>1.j.</sup>	4
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c.</sup>	18
Gastropoda	Planorbidae		Snail	1
Odonata	Gomphidae	Gomphus	Dragonfly nymph	2
Tricoptera	Hydropsychidae	Hydropsyche	Spotted Sedge <sup>1.e.</sup>	48
Tricoptera	Philopotamiidae	Chimarra	Dark Blue Sedge <sup>1.l.</sup>	2

**The West Branch: Upstream from SR 879 bridge near Clearfield borough**

Collected on August 26, 2008 at latitude N 41.027133 and longitude W 78.416183

Coleoptera	Elmidae	Optioservus	Beetle <sup>1.i.</sup>	3
Diptera	Chironomidae		Midge <sup>1.b.</sup>	10
Ephemeroptera	Baetidae	Baetis	Little Blue-Winged Olive <sup>1.d</sup>	16
Ephemeroptera	Caenidae	Caenis	"Anglers' Curse" <sup>2</sup>	5
Ephemeroptera	Heptageniidae	Leucrocuta	Hebe <sup>1.j.</sup>	2
Ephemeroptera	Isonychiidae	Isonychia	Slate Drake <sup>1.c.</sup>	54
Megaloptera	Corydalidae	Corydalus	Hellgrammite, Woolly Bugger <sup>1.g</sup>	1
Tricoptera	Hydropsychidae	Cheumatopsyche	Little Sister Sedge <sup>1.f</sup>	81

## References:

1. Pocketguide to Pennsylvania Hatches.  
By Charles Meck And Paul Weamer.  
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a. page 42, b. page 126, c. page 60, d. page 32, e. page 100, f. page 102, g. page 142, h.  
page 124, i. page 136, j. page 84, k. page 66, l. page 104, j. page 80.
2. Website: Troutnut.com. Copyright © 2009 by Jason Neuswange.

## Credits:

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*Fieldwork and collection of specimens* was conducted by Eric Weaver (intern, Pennsylvania State University); Andrea Graham (student, Pennsylvania State University); Aaron Furguele (intern, Pennsylvania State University) and Rebecca Dunlap (project manager, Trout Unlimited's Eastern Abandoned Mines Program).

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