

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR001

RAI No.: BWTF05GR001

Sta. Name: GALLATIN RIVER BELOW TAYLOR FORK
CONFLUENCE

Client ID: GTF0705

Date Coll.: 7/7/2005

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|---------------------------------|-------|--------|--------|---------|--------------|-----|----------|
| Non-Insect | | | | | | | |
| Acari | 9 | 2.82% | Yes | Unknown | | 5 | PR |
| Ephemeroptera | | | | | | | |
| Baetidae | | | | | | | |
| <i>Acentrella</i> sp. | 2 | 0.63% | Yes | Larva | | 4 | CG |
| <i>Baetis</i> sp. | 2 | 0.63% | No | Larva | Damaged | 5 | CG |
| <i>Baetis tricaudatus</i> | 24 | 7.52% | Yes | Larva | | 4 | CG |
| Ephemerellidae | | | | | | | |
| <i>Drunella coloradensis</i> | 13 | 4.08% | Yes | Larva | | 0 | PR |
| <i>Drunella doddsi</i> | 5 | 1.57% | Yes | Larva | | 1 | PR |
| <i>Ephemerella</i> sp. | 1 | 0.31% | No | Larva | Damaged | 1.5 | SC |
| <i>Ephemerella inermis</i> | 13 | 4.08% | Yes | Larva | | 4 | SH |
| Ephemerellidae | 4 | 1.25% | Yes | Larva | Early Instar | 1 | CG |
| Heptageniidae | | | | | | | |
| <i>Cinygmula</i> sp. | 34 | 10.66% | Yes | Larva | | 0 | SC |
| <i>Epeorus</i> sp. | 5 | 1.57% | No | Larva | Early Instar | 2 | CG |
| <i>Epeorus longimanus</i> | 7 | 2.19% | Yes | Larva | | 1 | SC |
| Plecoptera | | | | | | | |
| Chloroperlidae | | | | | | | |
| <i>Suwallia</i> sp. | 1 | 0.31% | Yes | Larva | | 1 | PR |
| Perlidae | | | | | | | |
| <i>Hesperoperla pacifica</i> | 3 | 0.94% | Yes | Larva | | 1 | PR |
| Pteronarcyidae | | | | | | | |
| Pteronarcyidae | 1 | 0.31% | No | Larva | Early Instar | 2 | SH |
| <i>Pteronarcys californica</i> | 1 | 0.31% | Yes | Larva | | 2 | SH |
| Trichoptera | | | | | | | |
| Apataniidae | | | | | | | |
| <i>Apatania</i> sp. | 1 | 0.31% | Yes | Larva | | 3 | SC |
| Brachycentridae | | | | | | | |
| <i>Amiocentrus aspilus</i> | 2 | 0.63% | Yes | Larva | | 3 | CG |
| <i>Brachycentrus americanus</i> | 2 | 0.63% | Yes | Larva | | 1 | CF |
| Glossosomatidae | | | | | | | |
| <i>Glossosoma</i> sp. | 7 | 2.19% | Yes | Larva | | 0 | SC |
| Hydropsychidae | | | | | | | |
| <i>Hydropsyche</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | CF |
| Lepidostomatidae | | | | | | | |
| <i>Lepidostoma</i> sp. | 2 | 0.63% | Yes | Larva | | 1 | SH |
| Coleoptera | | | | | | | |
| Elmidae | | | | | | | |
| <i>Optioservus</i> sp. | 2 | 0.63% | No | Larva | | 5 | SC |
| <i>Optioservus</i> sp. | 4 | 1.25% | Yes | Adult | | 5 | SC |

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|-----------------------------|---------------------|------------|--------|-------|--------------|----|----------|
| Diptera | | | | | | | |
| Athericidae | | | | | | | |
| <i>Atherix</i> sp. | 16 | 5.02% | Yes | Larva | | 5 | PR |
| Blephariceridae | | | | | | | |
| Blephariceridae | 1 | 0.31% | Yes | Pupa | | 0 | SC |
| Ceratopogonidae | | | | | | | |
| Ceratopogoninae | 36 | 11.29% | Yes | Larva | | 6 | PR |
| Simuliidae | | | | | | | |
| Simuliidae | 1 | 0.31% | No | Pupa | | 6 | CF |
| <i>Simulium</i> sp. | 7 | 2.19% | Yes | Larva | | 6 | CF |
| Tipulidae | | | | | | | |
| <i>Antocha</i> sp. | 1 | 0.31% | Yes | Larva | | 3 | CG |
| <i>Hexatoma</i> sp. | 1 | 0.31% | Yes | Larva | | 2 | PR |
| Chironomidae | | | | | | | |
| Chironomidae | | | | | | | |
| <i>Cladotanytarsus</i> sp. | 41 | 12.85% | Yes | Larva | | 7 | CG |
| <i>Cricotopus bicinctus</i> | 1 | 0.31% | Yes | Larva | | 7 | SH |
| <i>Diamesa</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | CG |
| <i>Eukiefferiella</i> sp. | 17 | 5.33% | Yes | Larva | | 8 | CG |
| Orthoclaadiinae | 8 | 2.51% | No | Larva | Early Instar | 6 | CG |
| <i>Orthocladus</i> sp. | 26 | 8.15% | Yes | Larva | | 6 | CG |
| <i>Pagastia</i> sp. | 2 | 0.63% | Yes | Larva | | 1 | CG |
| <i>Parakiefferiella</i> sp. | 1 | 0.31% | Yes | Larva | | 6 | CG |
| <i>Paratanytarsus</i> sp. | 1 | 0.31% | Yes | Larva | | 6 | CG |
| <i>Potthastia</i> sp. | 1 | 0.31% | Yes | Larva | | 2 | CG |
| <i>Rheotanytarsus</i> sp. | 9 | 2.82% | Yes | Larva | | 6 | CF |
| <i>Stempellinella</i> sp. | 1 | 0.31% | Yes | Larva | | 4 | CG |
| <i>Thienemanniella</i> sp. | 1 | 0.31% | Yes | Larva | | 6 | CG |
| | Sample Count | 319 | | | | | |

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR002

RAI No.: BWTF05GR002

Sta. Name: GALLATIN RIVER BELOW PORCUPINE
CREEK TRAILHEAD

Client ID: GPORC0705

Date Coll.: 7/8/2005

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|---------------------------------|-------|-------|--------|---------|--------------|----|----------|
| Non-Insect | | | | | | | |
| Enchytraeidae | | | | | | | |
| Enchytraeidae | 1 | 0.31% | Yes | Unknown | | 4 | CG |
| Ephemeroptera | | | | | | | |
| Baetidae | | | | | | | |
| <i>Baetis</i> sp. | 8 | 2.47% | No | Larva | Early Instar | 5 | CG |
| <i>Baetis tricaudatus</i> | 16 | 4.94% | Yes | Larva | | 4 | CG |
| Ephemerellidae | | | | | | | |
| <i>Caudatella heterocaudata</i> | 8 | 2.47% | Yes | Larva | | 0 | CG |
| <i>Drunella coloradensis</i> | 25 | 7.72% | Yes | Larva | | 0 | PR |
| <i>Ephemerella inermis</i> | 12 | 3.70% | Yes | Larva | | 4 | SH |
| <i>Serratella tibialis</i> | 8 | 2.47% | Yes | Larva | | 2 | CG |
| Heptageniidae | | | | | | | |
| <i>Cinygmula</i> sp. | 1 | 0.31% | Yes | Larva | | 0 | SC |
| Plecoptera | | | | | | | |
| Perlidae | | | | | | | |
| <i>Hesperoperla pacifica</i> | 2 | 0.62% | Yes | Larva | | 1 | PR |
| Trichoptera | | | | | | | |
| Brachycentridae | | | | | | | |
| <i>Amiocentrus aspilus</i> | 5 | 1.54% | Yes | Larva | | 3 | CG |
| Brachycentridae | 1 | 0.31% | No | Pupa | | 1 | CG |
| <i>Brachycentrus americanus</i> | 22 | 6.79% | Yes | Larva | | 1 | CF |
| <i>Micrasema</i> sp. | 1 | 0.31% | Yes | Larva | | 1 | SH |
| Glossosomatidae | | | | | | | |
| <i>Glossosoma</i> sp. | 1 | 0.31% | Yes | Larva | | 0 | SC |
| Glossosomatidae | 1 | 0.31% | No | Pupa | | 0 | SC |
| Hydropsychidae | | | | | | | |
| <i>Hydropsyche</i> sp. | 2 | 0.62% | Yes | Larva | | 5 | CF |
| Hydropsychidae | 1 | 0.31% | No | Pupa | | 4 | CF |
| Lepidostomatidae | | | | | | | |
| <i>Lepidostoma</i> sp. | 3 | 0.93% | Yes | Larva | | 1 | SH |
| Rhyacophilidae | | | | | | | |
| Rhyacophila Coloradensis Gr. | 1 | 0.31% | Yes | Larva | | 0 | PR |
| Coleoptera | | | | | | | |
| Elmidae | | | | | | | |
| <i>Optioservus</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | SC |

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR002

RAI No.: BWTF05GR002
Client ID: GPORC0705
Date Coll.: 7/8/2005

Sta. Name: GALLATIN RIVER BELOW PORCUPINE
CREEK TRAILHEAD

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|----------------------------|---------------------|------------|--------|-------|--------------|----|----------|
| Diptera | | | | | | | |
| Athericidae | | | | | | | |
| <i>Atherix</i> sp. | 3 | 0.93% | Yes | Larva | | 5 | PR |
| Empididae | | | | | | | |
| Empididae | 1 | 0.31% | No | Pupa | | 6 | PR |
| <i>Neoplasta</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | PR |
| Simuliidae | | | | | | | |
| <i>Simulium</i> sp. | 15 | 4.63% | Yes | Larva | | 6 | CF |
| Tipulidae | | | | | | | |
| <i>Antocha</i> sp. | 5 | 1.54% | Yes | Larva | | 3 | CG |
| <i>Antocha</i> sp. | 2 | 0.62% | No | Pupa | | 3 | CG |
| <i>Hexatoma</i> sp. | 1 | 0.31% | Yes | Larva | | 2 | PR |
| Chironomidae | | | | | | | |
| Chironomidae | | | | | | | |
| Chironomidae | 4 | 1.23% | No | Pupa | | 10 | CG |
| <i>Cladotanytarsus</i> sp. | 6 | 1.85% | Yes | Larva | | 7 | CG |
| <i>Cricotopus</i> sp. | 13 | 4.01% | Yes | Larva | | 7 | SH |
| <i>Eukiefferiella</i> sp. | 90 | 27.78% | Yes | Larva | | 8 | CG |
| Orthoclaadiinae | 10 | 3.09% | No | Larva | Early Instar | 6 | CG |
| <i>Orthocladus</i> sp. | 5 | 1.54% | Yes | Larva | | 6 | CG |
| <i>Pagastia</i> sp. | 1 | 0.31% | Yes | Larva | | 1 | CG |
| <i>Pothastia</i> sp. | 3 | 0.93% | Yes | Larva | | 2 | CG |
| <i>Rheotanytarsus</i> sp. | 17 | 5.25% | Yes | Larva | | 6 | CF |
| <i>Rheotanytarsus</i> sp. | 24 | 7.41% | Yes | Larva | | 6 | CF |
| <i>Sublettea</i> sp. | 2 | 0.62% | Yes | Larva | | 6 | CF |
| <i>Tvetenia</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | CG |
| | Sample Count | 324 | | | | | |

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR003

RAI No.: BWTF05GR003

Sta. Name: GALLATIN RIVER D/S DUDLEY CK
CONFLUENCE U/S OF JACK SMITH BRIDGE

Client ID: GDUD0705

Date Coll.: 7/8/2005

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|-----------------------------------|-------|--------|--------|---------|--------------|----|----------|
| Non-Insect | | | | | | | |
| Nematoda | 1 | 0.31% | Yes | Unknown | | 5 | PA |
| Pisidiidae | | | | | | | |
| Pisidiidae | 1 | 0.31% | Yes | Unknown | | 8 | CG |
| Ephemeroptera | | | | | | | |
| Ameletidae | | | | | | | |
| <i>Ameletus</i> sp. | 1 | 0.31% | Yes | Larva | | 0 | CG |
| Baetidae | | | | | | | |
| <i>Baetis tricaudatus</i> | 16 | 4.91% | Yes | Larva | | 4 | CG |
| Ephemerellidae | | | | | | | |
| <i>Drunella coloradensis</i> | 10 | 3.07% | Yes | Larva | | 0 | PR |
| <i>Drunella grandis</i> | 2 | 0.61% | Yes | Larva | | 2 | SC |
| <i>Ephemerella inermis</i> | 4 | 1.23% | Yes | Larva | | 4 | SH |
| <i>Serratella tibialis</i> | 6 | 1.84% | Yes | Larva | | 2 | CG |
| Heptageniidae | | | | | | | |
| <i>Cinygmula</i> sp. | 63 | 19.33% | Yes | Larva | | 0 | SC |
| <i>Epeorus</i> sp. | 1 | 0.31% | No | Larva | Early Instar | 2 | CG |
| <i>Epeorus albertae</i> | 3 | 0.92% | Yes | Larva | | 2 | SC |
| Trichoptera | | | | | | | |
| Brachycentridae | | | | | | | |
| <i>Brachycentrus americanus</i> | 1 | 0.31% | Yes | Larva | | 1 | CF |
| <i>Brachycentrus occidentalis</i> | 6 | 1.84% | Yes | Larva | | 2 | CF |
| Glossosomatidae | | | | | | | |
| <i>Glossosoma</i> sp. | 3 | 0.92% | Yes | Larva | | 0 | SC |
| Hydropsychidae | | | | | | | |
| <i>Arctopsyche grandis</i> | 1 | 0.31% | Yes | Larva | | 2 | PR |
| <i>Hydropsyche</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | CF |
| Lepidostomatidae | | | | | | | |
| <i>Lepidostoma</i> sp. | 10 | 3.07% | Yes | Larva | | 1 | SH |
| Uenoidae | | | | | | | |
| <i>Neophylax occidentis</i> | 9 | 2.76% | Yes | Larva | | 3 | SC |
| Diptera | | | | | | | |
| Ceratopogonidae | | | | | | | |
| Ceratopogoninae | 2 | 0.61% | Yes | Larva | | 6 | PR |
| Empididae | | | | | | | |
| Empididae | 1 | 0.31% | Yes | Pupa | | 6 | PR |
| Simuliidae | | | | | | | |
| <i>Simulium</i> sp. | 2 | 0.61% | Yes | Larva | | 6 | CF |
| Tipulidae | | | | | | | |
| <i>Antocha</i> sp. | 1 | 0.31% | Yes | Larva | | 3 | CG |
| <i>Hexatoma</i> sp. | 2 | 0.61% | Yes | Larva | | 2 | PR |

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR003

RAI No.: BWTF05GR003
Client ID: GDUD0705
Date Coll.: 7/8/2005

Sta. Name: GALLATIN RIVER D/S DUDLEY CK
CONFLUENCE U/S OF JACK SMITH BRIDGE

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|----------------------------------|------------|--------|--------|-------|--------------|----|----------|
| Chironomidae | | | | | | | |
| Chironomidae | | | | | | | |
| Chironomidae | 13 | 3.99% | No | Pupa | | 10 | CG |
| <i>Cladotanytarsus</i> sp. | 30 | 9.20% | Yes | Larva | | 7 | CG |
| <i>Diamesa</i> sp. | 1 | 0.31% | Yes | Larva | | 5 | CG |
| <i>Eukiefferiella</i> sp. | 8 | 2.45% | Yes | Larva | Early Instar | 8 | CG |
| <i>Eukiefferiella</i> Gracei Gr. | 1 | 0.31% | Yes | Larva | | 8 | CG |
| Orthoclaadiinae | 23 | 7.06% | No | Larva | Early Instar | 6 | CG |
| <i>Orthocladus</i> sp. | 65 | 19.94% | Yes | Larva | | 6 | CG |
| <i>Potthastia</i> sp. | 33 | 10.12% | Yes | Larva | | 2 | CG |
| <i>Rheotanytarsus</i> sp. | 4 | 1.23% | Yes | Larva | | 6 | CF |
| <i>Thienemannimyia</i> Gr. | 1 | 0.31% | Yes | Larva | | 5 | PR |
| Sample Count | 326 | | | | | | |

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR004

RAI No.: BWTF05GR004

Sta. Name: WEST FORK U/S OF SPUR ROAD BRIDGE

Client ID: WF0705

Date Coll.: 7/8/2005

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|-------------------------------------|-------|-------|--------|---------|-----------|----|----------|
| Non-Insect | | | | | | | |
| Acari | 3 | 0.94% | Yes | Unknown | | 5 | PR |
| Turbellaria | 1 | 0.31% | Yes | Unknown | | 4 | PR |
| Enchytraeidae | | | | | | | |
| Enchytraeidae | 3 | 0.94% | Yes | Unknown | | 4 | CG |
| Ephemeroptera | | | | | | | |
| Baetidae | | | | | | | |
| <i>Acentrella</i> sp. | 1 | 0.31% | Yes | Larva | | 4 | CG |
| <i>Baetis</i> sp. | 1 | 0.31% | No | Larva | Damaged | 5 | CG |
| <i>Baetis tricaudatus</i> | 8 | 2.52% | Yes | Larva | | 4 | CG |
| Ephemerellidae | | | | | | | |
| <i>Caudatella heterocaudata</i> | 3 | 0.94% | Yes | Larva | | 0 | CG |
| <i>Drunella coloradensis</i> | 27 | 8.49% | Yes | Larva | | 0 | PR |
| <i>Serratella tibialis</i> | 3 | 0.94% | Yes | Larva | | 2 | CG |
| Heptageniidae | | | | | | | |
| <i>Cinygmula</i> sp. | 2 | 0.63% | Yes | Larva | | 0 | SC |
| <i>Epeorus longimanus</i> | 1 | 0.31% | Yes | Larva | | 1 | SC |
| Trichoptera | | | | | | | |
| Brachycentridae | | | | | | | |
| <i>Amiocentrus aspilus</i> | 3 | 0.94% | Yes | Larva | | 3 | CG |
| <i>Micrasema</i> sp. | 1 | 0.31% | Yes | Larva | | 1 | SH |
| Glossosomatidae | | | | | | | |
| <i>Glossosoma</i> sp. | 2 | 0.63% | Yes | Larva | | 0 | SC |
| Hydropsychidae | | | | | | | |
| <i>Arctopsyche grandis</i> | 1 | 0.31% | Yes | Larva | | 2 | PR |
| Lepidostomatidae | | | | | | | |
| <i>Lepidostoma</i> sp. | 1 | 0.31% | Yes | Larva | | 1 | SH |
| Rhyacophilidae | | | | | | | |
| <i>Rhyacophila Coloradensis</i> Gr. | 1 | 0.31% | Yes | Larva | | 0 | PR |
| Uenoidae | | | | | | | |
| <i>Neophylax occidentis</i> | 3 | 0.94% | Yes | Larva | | 3 | SC |
| Coleoptera | | | | | | | |
| Elmidae | | | | | | | |
| <i>Heterlimnius</i> sp. | 1 | 0.31% | Yes | Larva | | 3 | CG |
| <i>Optioservus</i> sp. | 1 | 0.31% | Yes | Adult | | 5 | SC |
| <i>Optioservus</i> sp. | 2 | 0.63% | No | Larva | | 5 | SC |
| Diptera | | | | | | | |
| Athericidae | | | | | | | |
| <i>Atherix</i> sp. | 3 | 0.94% | Yes | Larva | | 5 | PR |
| Tipulidae | | | | | | | |
| <i>Antocha</i> sp. | 3 | 0.94% | Yes | Larva | | 3 | CG |

Taxa Listing

Project ID: BWTF05GR
RAI No.: BWTF05GR004

RAI No.: BWTF05GR004

Sta. Name: WEST FORK U/S OF SPUR ROAD BRIDGE

Client ID: WF0705

Date Coll.: 7/8/2005

No. Jars: 1

STORET ID:

| Taxonomic Name | Count | PRA | Unique | Stage | Qualifier | BI | Function |
|----------------------------|------------|--------|--------|-------|--------------|----|----------|
| Chironomidae | | | | | | | |
| Chironomidae | | | | | | | |
| Chironomidae | 9 | 2.83% | No | Pupa | | 10 | CG |
| <i>Cladotanytarsus</i> sp. | 6 | 1.89% | Yes | Larva | | 7 | CG |
| <i>Corynoneura</i> sp. | 1 | 0.31% | Yes | Larva | | 7 | CG |
| <i>Eukiefferiella</i> sp. | 117 | 36.79% | Yes | Larva | | 8 | CG |
| Orthoclaadiinae | 11 | 3.46% | No | Larva | Early Instar | 6 | CG |
| <i>Orthocladus</i> sp. | 80 | 25.16% | Yes | Larva | | 6 | CG |
| <i>Pagastia</i> sp. | 3 | 0.94% | Yes | Larva | | 1 | CG |
| <i>Potthastia</i> sp. | 12 | 3.77% | Yes | Larva | | 2 | CG |
| <i>Rheotanytarsus</i> sp. | 2 | 0.63% | Yes | Larva | | 6 | CF |
| <i>Sublettea</i> sp. | 2 | 0.63% | Yes | Larva | | 6 | CF |
| Sample Count | 318 | | | | | | |