

Southwest Association of Freshwater Invertebrate Taxonomists

## <u>www.safit.org</u> – current homepage

### Southwest As. Freshwater Invertebrate Taxonomists

#### SAFIT.org

The mission of the Southwest Association of Freshwater Invertebrate Taxonomists (SAFIT) is to promote understanding of the taxonomy and systematics of inland freshwater invertebrates in support of biotic condition of inland aquatic ecosystems of the southwestern United States. Fundamental to this mission is the standardization of identification and reporting of freshwater invertebrate taxa. SAFIT foster scientific research, education, and professional development in the environmental sciences, as they pertain to inland freshwater invertebrate taxonomy. To accomplish this mission SAFIT will:

1. Establish standard taxonomic procedures.

2. Provide/maintain standard taxonomic effort document.

3. Facilitate information exchange.

4. Improve taxonomic QA/QC methods.

5. Promote scientific and educational programs.

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# Homepage

### SAFIT



#### SOUTHWEST ASSOCIATION OF FRESHWATER INVERTEBRATE TAXONOMISTS

The mission of the Southwest Association of Freshwater Invertebrate Taxonomists (SAFIT) is to promote understanding of the taxonomy and systematics of inland freshwater invertebrates in support of biotic condition of inland aquatic ecosystems of the southwestern United States. Fundamental to this mission is the standardization of identification and reporting of freshwater invertebrate taxa. SAFIT fosters scientific research, education, and professional development in the environmental sciences, as they pertain to inland freshwater invertebrate taxonomy. To accomplish this mission SAFIT will:



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#### Contact Us

Joe Slusark

# Standard Taxonomic Effort



# **Membership Form**

Membership	Application For Membership	
Officers	Please start my SAFIT membership for the year January, 20	
Constitution/By-laws	<ul> <li>Payment in U.S funds drawn on U.S. bank is required. Checks and Money Orders should be made payable to the Southwest Association of Freshwater Invertebrate Taxonomists Or SAFIT. (Memberships apply to the calendar year.)</li> </ul>	
Standard Taxonomic		
Meetings/Events		
Related Links	I enclose my check or money order for \$	
Members Only	- SAFIT membership	
	Regular member \$25.00	
	NAME Dr/Prof/Mrs/Ms/Mr	
	ADDRESS	
	ADDRESS	
	CITYSTATEZIP	
	TEL ( ) FAX ( )	
	E-mail	
	mail this application to:	
	Kim Kratz Secretary of SAFIT 17114 Tualatin Street Lake Oswego, OR 97035	
	E-mail: <u>kratz_safit@comcast.net</u>	
	Home   About Us   Contact Us   Membership Information   <u>Officers   Constitution and By-laws  </u> Meetings/Events   Related Links   Members Only	

## **Related Links**

SAFIT		
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Related Links		
- <u>Surface Water Ambient Monitoring Program</u> is a		
the conditions of surface waters throughout the		
California Department of Fish and Game's <u>Aquatic Bioassessment Laboratory</u> (ABL) The mission of the ABL (part of DEG's <b>Water</b>		
Pollution Control Laboratory) is to support		
management and assessment programs.		
The North American Benthological Society (NABS) is an international scientific organization whose purpose is to promote better understanding of the biotic communities of lake and stream bottoms and their role in aquatic ecosystems, by providing media and disseminating new investigation results, new interpretations, and other benthological		
	Related Links         Surface Water Ambient Monitoring Program is a statewide monitoring effort designed to assess the conditions of surface waters throughout the state of California.         California Department of Fish and Game's Aquatic Bioassessment Laboratory (ABL)         The mission of the ABL (part of DFG's Water Pollution Control Laboratory) is to support the use of biology in California's water quality management and assessment programs.         The North American Benthological Society (NABS) is an international scientific organization whose purpose is to promote better understanding of the biotic communities of lake and stream bottoms and their role in aquatic ecosystems, by providing media and	Surface Water Ambient Monitoring Program is a statewide monitoring effort designed to assess the conditions of surface waters throughout the state of California Department of Fish and Game's Aquatic Bioassessment Laboratory (ABL). The mission of the ABL (part of DPG's Water Pollution Control Laboratory) is to support the use of biology in California's water quality management and assessment programs.         The North American Benthological Society (MABS) is an international scientific organization whose purpose is to promote better understanding of the biotic communities of lake and stream bottoms and their role in aquatic ecosystems, by providing media and disseminating new investigation results, new interpretations, and other benthological

#### Web site or page name 5

scientific community at large.

Select the Web site or page name above and link it to a Web address (URL). Describe the site and explain why the site is useful to your reader.

#### Web site or page name 6

Select the Web site or page name above and link it to a Web address (URL). Describe the site and explain why the site is useful to your reader.

## **California Digital Reference Collection**

### GOV FISH AND GAME

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#### MOST POPULAR LINKS

- ABL Home Page
- <sup>-≫</sup> Current Protocols
- Standard Taxonomic Effort List
- ≫ California EDAS Database
- California Digital Reference Home
- ™ List CSBP Labs

#### LINKS

Pending Decisions and Opportunities for Public Participation



### Aquatic Bioassessment Laboratory

California Digital Reference Collection

California Digital Reference Collection Home | Family Level | Level 1 Taxonomy | Level 2 Taxonomy

Quick links (family-level):

Ephemeroptera Odonata Plecoptera Hemiptera Megaloptera Neuroptera Trichoptera Lepidoptera Coleoptera Diptera Non-Insects

### Note: Many pages are still under construction. We will update our content as quickly as possible. If you find a page that is missing or incomplete, pease check back at a later date.

Orders (Click the banner to jump to a specific order within the family-level page)	Habitus photo (Click thumbnail for larger image)	Distinguishing characteristics
Ephemeroptera		Three "tails" or cerci, with gills on abdomen (either dorsal or lateral, usually plate-like) and one tarsal claw.
Odonata	65	Mask-like labium; gills are internalized within the abdomen (Dragonflies) or external on the end of the abdomen (Damselflies).

#### RELATED AGENCIES

- Resources Agency
- ─≫ Department of Fish & Game
- ··≫ Wildlife Conservation Board

### **California Digital Reference Collection**

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## Family Level Pages

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GOV FISH AND GAN	Skip to: <u>Content</u>   <u>Footer</u>   <u>Accessibility</u> Search	FG	•
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<ul> <li>Current Protocols</li> <li>Standard Taxonomic Effort List</li> <li>California EDAS Database</li> <li>California Digital Reference Home</li> <li>List CSBP Labs</li> <li>List CSBP Labs</li> <li>List CSBP Labs</li> <li>California Digital Reference Home</li> <li>List CSBP Labs</li> <li>California Digital Reference Home</li> <li>Pending Decisions and Opportunities for Public Participation</li> </ul>	guatic         Bioassessment         Laboratory         site         site         site         Pigtal Reference Collection Home   Family Level   Level 1 Taxonomy   Level 2 Taxonomy         Jump to:         Plecoptera Hemiptera Megaloptera Neuroptera Trichoptera Lepidoptera Coleoptera Diptera Non-Insects		
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## Family Level pages

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#### MOST POPULAR LINKS

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- Current Protocols
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#### LINKS

Pending Decisions and Opportunities for Public Participation





California Digital Reference Collection Home | Family Level | Level 1 Taxonomy | Level 2 Taxonomy

Jump to:

Ephemeroptera Odonata Plecoptera Hemiptera Megaloptera Neuroptera Trichoptera Lepidoptera Coleoptera Diptera Non-Insects



### Ephemerellidae



Key Characters	Abdominal gills absent on segment 2, rudimentary or absent on segment 1, present on segments 3-7 or 4-7. Gills have dorsal and ventral lamella (with numerous lobes). Paired abdominal tubercles often present.
Tolerance	
Distribution	CA, OR, WA, NV, AZ, Baja

#### RELATED AGENCIES

- \*\* Resources Agency
- "≫ Department of Fish & Game
- Wildlife Conservation Board

# Thumbnails linked to larger pic



# Level 1 pages

#### MOST POPULAR LINKS

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- Current Protocols
- Standard Taxonomic Effort List
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#### RELATED AGENCIES

- →> Department of Fish & Game
- Wildlife Conservation Board





California Digital Reference Collection Home | Family Level | Level 1 Taxonomy | Level 2 Taxonomy

Level 1 Taxonomy (Click the link to go to the page for that genus)



#### Ameletidae

Ameletus sp.

#### Ametropodidae

Ametropus sp.

#### Baetidae

Acentrella sp.

Acerpenna sp.

Apobaetis sp.

# Level 1 pages

#### MOST POPULAR LINKS

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#### RELATED AGENCIES

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California Digital Reference Collection Home | Family Level | Level 1 Taxonomy | Level 2 Taxonomy



### Dicosmoecus sp.



Key Characters	
Tolerance	
Distribution	CA

# Level 2 pages

#### ELATED AGENCIES

- Resources Agency
- Department of Fish & Game
- Wildlife Conservation
- Board



Ameletidae

Ameletus sp. - identify to genus (level 1 only)

Ametropodidae

Ametropus ammophilus Allen and Edwards

Baetidae

Acentrella insignificans (McDunnough)

Acentrella turbida (McDunnough)

Acerpenna sp. - identify to genus (level 1 only)

Apobaetis etowah (Traver)

Baetis adonis Traver

Baetis alius Day

Baetis bicaudatus Dodds

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Baetis caurinus Edmunds and Allen



California Digital Reference Collection Home | Family Level | Level 1 Taxonomy | Level 2 Taxonomy



### **Baetis tricaudatus Dodds**



Key Characters	
Tolerance	
Distribution	CA, OR, WA, NV, AZ

### **California Digital Reference Collection**

- www.dfg.ca.gov/abl/Lab/california referencecollection.asp
- Organized into three sets of pages Family Level, SAFIT Level 1, and SAFIT Level 2
- Built as a resource for Citizen Monitoring Groups (Family Level) and professional taxonomists, and as an educational tool
- Special thanks to Erick Burres (Citizen Monitoring Coordinator – SWRCB) for partial funding, and Brian Taylor (ABL) for page development