# California Digital Reference Collection Daniel Pickard and Brian Taylor

### DFG Aquatic Bioassessment Lab - Chico



### California Digital Reference Collection

- <u>www.dfg.ca.gov/abl/Lab/california\_referencecollecti</u> <u>on.asp</u>
- 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

## California Digital Reference Collection - structure

 Main Order Level page, but starting points at Family Level page, Level 1, and Level 2

#### MOST POPULAR LINKS

- ABL Home Page
- Current Protocols
- Standard Taxonomic Effort List
- \*\* California EDAS Database
- California Digital Reference Home

#### LINKS

Pending Decisions and Opportunities for Public Participation

#### RELATED AGENCIES

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





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



Baetiscidae



Ametropodidae





Ephemerellidae Ephemeridae

1 Reco

Baetidae

Caenidae

by yntercolau

Heptageniidae

Ameletidae

Isonychiidae Le

Leptohyphidae Leptophlebiidae Oligoneuriidae Polymitarcyidae

<u>nitarcyidae</u> <u>Siphlonuridae</u>

## California Digital Reference Collection - structure

 Each terminal page with photos, key characters, tolerance value, and distribution

20

#### LINKS

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Goeridae Level 1 Level 2



### Goeridae



Key Characters	Enlarged and laterally thickened pronotum; close-fitting sclerites form an operculum over opening of larval case. Most have forked lamellae on abdominal segments.
Tolerance	0-1
Distribution	CA, OR, WA

## California Digital Reference Collection - structure

### Thumbnails linked to larger, higher quality images



## California Digital Reference Collection - progress

 ~120 Family Level pages. All photos and content for Family level pages are finished as much as possible (we still need photos for some of the Coleoptera)

			Larvae			
-				NO SAMPLE AVAILABLE		$\sim$
Amphizoidae	Carabidae	Chrysomelidae	Curculionidae	<u>Dryopidae</u>	<u>Dytiscidae</u>	Elmidae
NO SAMPLE AVAILABLE		NO SAMPLE AVAILABLE	Data	A	NO SAMPLE AVAILABLE	and the
Epimetopidae	Eulichadidae	<u>Georissidae</u>	<u>Gyrinidae</u>	<u>Haliplidae</u>	<u>Helophoridae</u>	Heteroceridae
NO SAMPLE AVAILABLE	NO SAMPLE AVAILABLE		Constanting and	1	NO SAMPLE AVAILABLE	
<u>Hydraenidae</u>	Hydrochidae	Hydrophilidae	Hydroscaphidae	Lampyridae	Limnichidae	Lutrochidae
NO SAMPLE AVAILABLE		Neerste	O.	Pitters diffe	-	NO SAMPLE AVAILABLE
Melyridae	Microsporidae	Noteridae	<u>Psephenidae</u>	Ptilodactylidae	Scirtidae	<u>Scarabaeidae</u>
			NO SAMPLE AVAILABLE <u>Staphylinidae</u>			

## California Digital Reference Collection - progress

### Many Level 1 and Level 2 photos taken and pages started, but content needs to be filled in



### *Hetaerina* sp.



Key Characters	
Tolerance	
Distribution	

## California Digital Reference Collection

- Special thanks to Brian Taylor (ABL)!! The majority of the pictures and pages on this site are completed because of his hard work.
- Please give us feedback! Any comments, questions, or bug images can be sent to me <u>dpickard@csuchico.edu</u>