



## Metadata

# Multilocus BOLD Dataset for Nearctic Polycentropodidae (Trichoptera)

SUPPORTED BY



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### General information

#### name of the dataset:

full name of the dataset: *Multilocus BOLD Dataset for Nearctic Polycentropodidae (Trichoptera)*  
dataset short name: *DS-POLYCSS Nearctic Polycentropodidae*

**type of dataset** ([more information](#)): *others*

specify: *Molecular data with voucher collection data*

data type: *descriptive data*

short description of the dataset/summary:

*The BOLD dataset "DS-POLYCSS Nearctic Polycentropodidae (Trichoptera)" contains publicly accessible molecular data and associated voucher collection data. Data include two loci (nuclear 28s rRNA D2 and mitochondrial cytochrome oxidase C (COI)), specimen images, collection data, and additional specimen data. Data pertain to hundreds of treated specimens and dozens of treated species, of different life stages and both sexes, of the Trichoptera family Polycentropodidae in the Nearctic, with an emphasis on Polycentropus sensu lato. Data will continued to be added during continued systematic studies of the family by the authors.*

**keywords according to** [GCMD](#):

topic: *Biosphere, Biological Classification*

**ISO topic category according to** [ISO 19115](#):

*Biota, Inland Waters*

**INSPIRE keywords according to** [GEMET](#):

*Species distribution*

**own science keywords:**

*aquatic insects, Annulipalpia, biodiversity, DNA barcoding, phylogeny, taxonomy, Trichoptera*

**related project:**

*BOLD ORFIN - Nearctic Polycentropus sensu lato (Trichoptera: Polycentropodidae)*

**funding:**

*This work was supported by the McIntire-Stennis Program from the USDA National Institute of Food and Agriculture and by the USDA National Institute of Food and Agriculture, 1890 Institution Capacity Building Grant Project 1021805.*

## Technical and administrative specifications

**data format:** *others/specify*  
 others/details: *Barcode of Life Database*  
**operating system:** *all operating systems*  
**data language:** *English*  
**current access level:** *web (public)*  
 web address:  
[http://www.boldsystems.org/index.php/Public\\_SearchTerms?query=DS-POLYCSS](http://www.boldsystems.org/index.php/Public_SearchTerms?query=DS-POLYCSS)  
 currently available through [GBIF](#): *no*  
 exchange planned: *no*  
 data in data repository: *yes*  
 specify repository: *BARCODE OF LIFE DATA SYSTEM v4*  
**Do you plan to publish the data on the Freshwater Biodiversity Data Portal:**  
*no*  
**update level:** *continuously updated, update planned*

### contact details:

metadata contact person:  
 first, last name: *Alexander Orfinger*  
 phone: *3862902505*  
 email: *a.orfinger@ufl.edu*  
 institution: *University of Florida / Florida A&M University*  
 address: *113 Perry-Paige S*  
 postal code, city: *32307 Tallahassee*  
 province, state: *Florida*  
 country: *United States*

technical contact person:  
 first, last name: *Alexander Orfinger*  
 phone: *3862902505*  
 email: *a.orfinger@ufl.edu*

scientific contact person:  
 first, last name: *Alexander Orfinger*  
 phone: *3862902505*  
 email: *a.orfinger@ufl.edu*

## Intellectual property rights and citation

dataset is already published) **BARCODE OF LIFE DATA SYSTEM v4 (BOLD)**

### dataset creator (data compiler):

contact name: *Alexander Orfinger*  
 contact email: *a.orfinger@ufl.edu*  
 contact institution: *University of Florida / Florida A&M University*

### data contributors to/owners of this dataset:

number: *multiple*  
 3

#### provider 1:

provider institute: *University of Florida / Florida A&M University*  
 contact name: *Alexander Orfinger*  
 contact position: *University of Florida / Florida A&M University*  
 contact email: *a.orfinger@ufl.edu*

criteria for using the data in a publication/scientific analysis:

*The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.*

#### provider 2:

provider institute: *Florida A&M University*  
 contact name: *Andrew Rasmussen*  
 contact position: *Florida A&M University*  
 contact email: *andrew.rasmussen@fam.u.edu*

criteria for using the data in a publication/scientific analysis:

*The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.*

#### provider 3:

provider institute: *Florida A&M University*  
 contact name: *Raymond Hix*  
 contact position: *Florida A&M University*  
 contact email: *raymond.hix@fam.u.edu*

criteria for using the data in a publication/scientific analysis:

*The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.*

### citation of this dataset:

author(s): *Orfinger, A.B., Rasmussen, A.K. & Hix, R.L.*

title and journal (name, number, pages):

*Dataset - DS-POLYCSSL Nearctic Polycentropodidae (Trichoptera),  
 BARCODE OF LIFE DATA SYSTEM v4, 2021, accessible at  
[http://www.boldsystems.org/index.php/Public\\_SearchTerms?query=DS-POLYCSSL](http://www.boldsystems.org/index.php/Public_SearchTerms?query=DS-POLYCSSL)*

year: *2021*

doi (if applicable): <https://doi.org/10.5883/DS-POLYCSSL>

### citation of the metadata:

author(s): *Orfinger, A.B., Rasmussen, A.K. & Hix, R.L.*

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title and journal (name, number, pages):

*Multilocus BOLD Dataset for Nearctic Polycentropodidae (Trichoptera):  
Metadata. Freshwater Metadata Journal 0: 0-0*

year:

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doi (if applicable):

<https://doi.org/10.15504/fmj.0000.0>

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## General data specifications

### regional coverage of the dataset:

spatial extent of the dataset: *continental*

continents: *North America*

### spatial extent (bounding coordinates):

southernmost latitude [°]: *10.7612000°*

northernmost latitude [°]: *66.2282000°*

westernmost longitude [°]: *-146.2500000°*

easternmost longitude [°]: *-057.7410000°*

countries: *North America: Canada, Costa Rica, Cuba, Dominican Republic, Mexico, United States*

**ecosystem type:** *rivers, lakes/ponds, general freshwater*

**coverage timeframe:** *1979*

year to: *2021*

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## Site specifications

<b>coordinate system/grid data:</b>	<i>latitude/longitude, format: DD</i>
datum (e.g. WGS84):	<i>WGS84</i>
grid data available:	<i>yes</i>
resolution:	<i>10 - 100</i>
unit:	<i>m</i>
<b>number of sites:</b>	<i>100 - 1000</i>
exact number of sites:	<i>181</i>
<b>comments:</b>	<i>The number of sites is current as of February, 2021 but will increase as additional data are added.</i>

## Climate and environmental data

<b>climate related data:</b>	<i>no climate data available</i>
<b>environmental data:</b>	<i>no environmental data per catchment available</i>
available parameters per site:	<i>information on riparian vegetation (incl. information on modification)</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>information on embankment (incl. information on modification)</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>information on channel form (incl. information on modification)</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>information on water uses (e.g., irrigation, fish ponds)</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>distance to the next main village/town upstream</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>stream order (according to Strahler)</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>altitude</i>
collectors:	<i>(s)</i>
available parameters per site:	<i>information on instream habitat (incl. information on modification)</i>
collectors:	<i>(s)</i>
<b>physico-chemical data:</b>	<i>no physico-chemical data available</i>
<b>stressors influencing the sites:</b>	<i>no stressor data available</i>

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## Biological data

**biological data origin:** *from sampling,*  
specify project: *various projects*  
specify method:  
organism group addressed: *macro-invertebrates (Trichoptera)*



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## Sample specifications/sample resolution

### macro-invertebrates:

#### sample information:

covered timeframe:  
 year from - to: 1979 - 2021  
 historical data: yes  
 palaeo data: no  
 season: spring, summer, autumn, winter  
 temporal resolution/frequency of sampling:  
*infrequent sampling frequency*  
 comments: *Data collection and input are ongoing.*

#### taxonomic resolution:

percentage of species level data: 85  
 comments: *Specimens are identified to species when possible.*

#### taxonomic coding:

taxalist according to: *Trichoptera Nearctica and Trichoptera World Checklist*  
 citation: *- Rasmussen, A.K. & Morse, J.C., 2020. Distributional Checklist of Nearctic Trichoptera (Fall 2020 Revision). Unpublished, Florida A&M University, Tallahassee. 517 pp. [Available at <http://www.Trichoptera.org>]*  
*- Morse, J.C. (ed.), 2021. Trichoptera World Checklist. <http://entweb.clemson.edu/database/trichopt/index.htm>*

#### sample specifications:

replicate samples: yes  
 specification of method(s) used for sampling and sorting:  
*Sampling methods varied according to life stage and collector. Collection method data are available within the individual specimens' "Specimen Page" when known. Collection methods included UV light trapping, sweep netting, malaise trapping, and emergence trapping for adults, and hand picking and standard benthic collecting methods for immature stages.*

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## Other specifications

### GIS layers, shape files related to the dataset:

*no data available*

availability of photos: *yes*

availability of maps: *yes*

### quality control procedures:

Were any quality control procedures applied to your dataset?

*yes*

quality control protocols and comments:

*Standard BOLD quality assurance procedures.*

reference(s):

[http://www.boldsystems.org/libhtml\\_v3/static/BOLD4\\_Documentation\\_Draft1.pdf](http://www.boldsystems.org/libhtml_v3/static/BOLD4_Documentation_Draft1.pdf)