



## Metadata

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# Rotifera of Chihuahuan Desert Waters

Exported from the BioFresh data portal, <http://data.freshwaterbiodiversity.eu>

Visit the BioFresh metadatabase query tool, <http://data.freshwaterbiodiversity.eu/metadb/metaDBQry>

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### General information

database entry ID: *BFE\_79*

**name of the database:**

full name of the database: *Rotifera of Chihuahuan Desert Waters*

database short name: *CDZ*

**type of database ([more information](#)):** *species distribution data*

data type: *point data/observation data*

short description of the database/summary:

*Deserts are contradictions; while above ground terrestrial productivity is low, they support a remarkable degree of biodiversity and harbor large numbers of endemic terrestrial and freshwater taxa. Indeed the aquatic oases of the four North American deserts have been likened to a freshwater Galapagos for their potential biodiversity and ecological and evolutionary significance (Dinerstein et al., 2000). Unfortunately, little is known of the zooplankton communities of deserts. We surveyed >145 aquatic sites in the Chihuahuan Desert (both USA and Mexico) representing 13 broad categories of habitats, from small rock pools to large reservoirs. Our purposes included characterizing the rotifer community structure and identify phylogeographic patterns among selected taxa. Our survey yielded >250 species, which, according to Segers (2007), represents about 16% of known rotifer species.*

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

topic: *Biosphere, Biological Classification*

keywords: *Chihuahuan Desert, USA, Mexico, Rotifera, pools, reservoirs*

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

*Biota, Inland Waters*

## Technical and administrative specifications

**data format:** *Excel*  
**operating system:** *all operating systems*  
**data language:** *English*  
**current access level:** *internal*  
currently available through [GBIF](#): *no*  
exchange planned: *yes*  
**update level:** *others/specify*  
others/details: *Under construction. We have over 250 species of rotifers, in something like >200 sites throughout the Chihuahuan Desert; some of these sites have been visited multiple times.*

### documentation:

language: *English*

**delivery of the database for the BioFresh data portal:**

### contact details:

#### meta data contact:

first, last name: *Robert L. Wallace*  
phone: *920-748-8760*  
email: *WallaceR@ripon.edu*

#### technical contact person:

#### scientific contact person:

first, last name: *Liz Walsh*  
email: *ewalsh@utep.edu*

#### institution:

name: *Department of Biology, Ripon College*  
address: *300 Seward Street, WI 54971-0248*  
postal code, city: *54971-0248 Ripon*  
province, state: *WI*  
country: *USA*  
web address: *http://ripon.edu/academics/faculty/profiles/wallace\_r.html*

**comments:** *Dr. Elizabeth J. Walsh (University of Texas at El Paso)*

## Intellectual property rights and citation

**database owner:** *others*  
**specify:** *E.J. Walsh*  
**contact details:** *ewalsh@utep.edu*  
**citation:**  
**author(s):** *Walsh, E.J. & R.L. Wallace*  
**reference title:** *Rotifera of Chihuahuan Desert Waters*  
**data provider(s) to this database:** *single*  
**number:** *1*  
**criteria for using the data in a publication/scientific analysis:**  
*Other/Additional criteria*  
**Other/Additional criteria:** *The database is still being compiled, so at present it is not available for use.*

## **General data specifications**

### **regional coverage of the database:**

scale of the database:

*continental*

continents:

*North America*

countries:

*North America: Mexico, United States*

## Site specifications

**coordinate system/grid data:** *Latitude/Longitude, format:*  
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**number of sites:** 100 - 1000

**exact number of sites:** 145

## Biological data

**biological data origin:**

*from sampling*

specify project:

*July 2001 to present*

organism group addressed:

*zooplankton, other group(s): Rotifera*

comments:

*The data set will comprise most information of the distribution of rotifers in the Chihuahuan Desert of North America, but it also will have physical and chemical data.*

## Sample resolution

zooplankton:

**taxonomic resolution:** *order, family, sub-family, genus, species*

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**taxonomic coding:**

other group(s):

**taxonomic resolution:** *species*

comments: *>250 species*

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**taxonomic coding:**

## **Other specifications**

**quality control procedures:**