

## Reporte de Fichas para el usuario: edith gómez

Ficha ID: 56df2ae783c45700544e3c55

Fecha de creación: 2016-03-08T19:41:33.140Z

annualCycles

annualCycleUnstructured:

habitats

0

dataObject:

additionalInformation:

0

isbn: 0-8020-2723-7 (cloth)

keywords: Chimarra,Helicopsyche,Hydroptila,Leucotrichia,Macrostemum,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira,Polypsectropus

institution:

edition: 2

address:

publisher: University of Toronto Press

accessed:

websites:

chapter:

series:

pages: 457

issue:

year: 1996

0: Wiggins, Glenn B

title: Larvae of the North American Caddisfly Genera

source:

type: book

tags: Chimarra,Helicopsyche,Hydroptila,Leucotrichia,Macrostemum,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira,Polypsectropus

abstract:

last\_modified:

created:

group\_id:

profile\_id:

id:

geoPoint:

location:

thumbnailURL:

description:

source:

bibliographicCitation:

rightsHolder:

rights: Universidad Católica de Oriente

license: Atribución - No Comercial - Compartir igual (CC BY-NC-SA 4.0)

modified:

created:

mimeType:

dataType:

identifier:

habitatUnstructured: Las larvas de Ochrotrichia viven en aguas corrientes de una gran diversidad de riachuelos de aguas frías y arroyos temporales (Wiggins, 1996).

## commonNamesAtomized

creation\_date: 2016-03-08T19:41:33.140Z

usesManagementAndConservation

## ancillaryData

managementAndConservationUnstructured:

## managementAndConservationAtomized

## identificationKeys

0

dataObject:

additionalInformation:

0

link: <http://www.bdigital.unal.edu.co/37582/1/39407-175363-1-PB.pdf>

keywords: Atanatolica,Atopsyche,Chimarra,Grumichella,Helicopsyche,Hydroptila,Leptonema,Leucotrichia,Macrostemum,Marilia,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira,Phylloicus,Polyplectropus,Triplectides,Xiphocentron,larvas de,macroinvertebrados acuáticos,trichoptera,trichoptera de antioquia,trichoptera de colombia

institution:

address:

publisher:

accessed:

websites:

chapter:

series:

pages: 169--192

issue:

volume: 25

year: 2003

0: Posada-García, José Andrés

1: Roldán, Gabriel

title: Clave ilustrada y diversidad de las larvas de Trichoptera en el Nor-Occidente de Colombia

source: Caldasia

type: article

tags: Atanatolica,Atopsyche,Chimarra,Grumichella,Helicopsyche,Hydroptila,Leptonema,Leucotrichia,Macrostemum,Marilia,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira,Phylloicus,Polyplectropus,Triplectides,Xiphocentron

abstract:

last\_modified:

created:

group\_id:

profile\_id:

id:

1

link: <http://www.redalyc.org/articulo.oa?id=44922967007>

keywords: Atanatolica,Atopsyche,Hydroptila,Leptonema,Leucotrichia,Ochrotrichia,Oecetis,Oxyethira,Phylloicus,Polyplectropus,Triplectides,Xiphocentron

institution:

address:

publisher:

accessed:  
websites:  
chapter:  
series:  
pages: 151--198  
issue:  
volume: 58  
year: 2010  
0: Springer, Monika  
title: Capítulo 7. Trichoptera  
source: Revista de Biología Tropical  
type: article  
tags: Atanotoma,Atopsyche,Hydroptila,Leptonema,Leucotrichia,Ochrotrichia,Oecetis,Oxyethira,Phylloicus,Polypsectropus,Tripsectides,Xiphocentron  
abstract:  
last\_modified:  
created:  
group\_id:  
profile\_id:  
id:  
geoPoint:  
location:  
thumbnailURL:  
description:  
source:  
bibliographicCitation:  
rightsHolder:  
rights: Universidad Católica de Oriente  
license: Atribución - No Comercial - Compartir igual (CC BY-NC-SA 4.0)  
modified:  
created:  
mimeType:  
dataType:  
identifier:  
keys: Posada-García, J. A., & Roldán, G. (2003). Clave ilustrada y diversidad de las larvas de Trichoptera en el Nor-Occidente de Colombia. Caldasia, 25(1), 169–192. Retrieved from <http://www.bdigital.unal.edu.co/37582/1/39407-175363-1-PB.pdf>  
Springer, M. (2010). Capítulo 7. Trichoptera. Revista de Biología Tropical, 58(4), 151–198. Retrieved from <http://www.redalyc.org/articulo.oa?id=44922967007>

fullDescription

0

dataObject:  
additionalInformation:

0

isbn: 0-8020-2723-7 (cloth)  
keywords: Chimarra,Helicopsyche,Hydroptila,Leucotrichia,Macrostemum,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira,Polypsectropus  
institution:  
edition: 2  
address:  
publisher: University of Toronto Press  
accessed:

websites:  
chapter:  
series:  
pages: 457  
issue:  
year: 1996  
0: Wiggins, Glenn B  
title: Larvae of the North American Caddisfly Genera  
source:  
type: book  
tags: Chimarra,Helicopsyche,Hydroptila,Leucotrichia,Macrostemum,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira,Polyplectropus  
abstract:  
last\_modified:  
created:  
group\_id:  
profile\_id:  
id:  
geoPoint:  
location:  
thumbnailURL:  
description:  
source:  
bibliographicCitation:  
rightsHolder:  
rights: Universidad Católica de Oriente  
license: Atribución - No Comercial - Compartir igual (CC BY-NC-SA 4.0)  
modified:  
created:  
mimeType:  
dataType:  
identifier:  
fullDescriptionUnstructured: En su último instar, las larvas de Ochrotrichia son similares a las larvas de Hydroptila, pero este género carece de agallas filamentosas en la parte final del abdomen. El mesonoto y el metanoto están extendidos anterolateralmente formando unos lóbulos sobre cada lado. Los lóbulos se extienden más allá de donde termina el surco transversal y al final de la línea anterior de setas del notum. Presentan pocas diferencias en el tamaño de sus patas. Los escleritos abdominales dorsoventralmente tienen pocos pelos (Wiggins, 1996).  
briefDescription:

## references

keywords: Atanotoma,Atopsyche,Chimarra,Grumichella,Helicopsyche,Hydroptila,Leptonema,Marilia,Nectopsyche,Ochrotrichia,Oecetis,Phylloicus,Polyplectropus,Trileptodes,Xiphocentron

## editors

institution:  
address:  
publisher:  
accessed:  
websites:  
chapter:  
series:  
issue:  
year: 1981

## authors

authors: Correa, M.  
authors: Machado, T.  
authors: Roldán, G.  
title: Taxonom\ia y Ecolog\ia del Orden Trichoptera en el Departamento de Antioquia en diferentes pisos  
altitudinales  
source: Actualidades Biologicas  
type: article  
tags: Atanatolica,Atopsyche,Chimarra,Grumichella,Helicopsyche,Hydroptila,Leptonema,Marilia,Nectopsyche,Ochrotr  
chia,Oecetis,Phylloicus,Polyplectropus,Triplectides,Xiphocentron  
abstract:

identifiers

last\_modified:  
created:  
group\_id:  
profile\_id:  
id:

taxonRecordName

ancillaryData

providerSpecificData

anyTwo:  
providerLink:

publicationStatus

microReference:  
source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:  
note:  
ruleConsidered:

replacementNameFor

microReference:  
source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:  
note:  
ruleConsidered:

sanctioned

microReference:  
source:  
datatype:  
identifier:  
source:

datatype:  
identifier:  
note:  
ruleConsidered:

laterHomonymOf

microReference:  
source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:  
note:  
ruleConsidered:

conservedAgainst

basedOn

microReference:  
source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:  
note:  
ruleConsidered:

basionym

microReference:  
source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:  
note:  
ruleConsidered:

spellingCorrentionOf

typeNameEntity

source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:  
source:  
datatype:  
identifier:

typificacion

typeOfType:

[lectotypeMicroReferenceVoucher](#)

[lectotypePublicationVoucher](#)

[voucherReference](#)

simple:  
microReference:  
year:

publishedIn

simple: Trans. R. Ent. Soc. London, 82, 163.  
source:  
datatype:  
identifier:

specialAuthorship

[authors](#)

[year](#)

simple:  
canonicalAuthorship

[authors](#)

[year](#)

simple:  
simple: Mosely, 1934

canonicalName

infraspecificEpithet:  
specificEpithet:  
infragenericEpithet:  
linkType:  
ref:  
uninomial:  
simple: Ochrotrichia  
rank: GENUS  
simple: Ochrotrichia Mosely, 1934

attributes

nomenclaturalCode:  
isAnamorphic:  
id:

[synonymsAtomized](#)

[hierarchy](#)

## ancillaryData

dataObject:  
additionalInformation:

## reference

geoPoint:  
location:  
thumbnailURL:

## mediaURL

description:

## subject

source: The Catalogue of Life, 3rd January 2011

## audience

bibliographicCitation:  
rightsHolder:  
rights:  
license:  
title:  
modified: 2016-03-08T19:41:13.134Z  
created: 2016-03-08T19:41:13.134Z

## agent

homepage:  
role:  
email:  
phone:  
address:  
position:  
organisation:  
lastName:  
firstName:  
mimeType:  
dataType:  
identifier:  
parentTaxon: Hydroptilidae  
higherClassification:  
infraspecificEpithet:  
specificEpithet:  
taxonRank: GENUS  
subGenus:  
genus: Ochrotrichia  
family: Hydroptilidae  
order: Trichoptera  
classHierarchy: Insecta  
phylum: Arthropoda  
kingdom: Animalia  
recommended:  
classification:  
  
invasiveness



invasivenessUnstructured:

reproduction

reproductionUnstructured:

molecularData

molecularDataUnstructured:

migratory

migratoryUnstructured:

lifeForm

lifeFormUnstructured:

lifeCycle

lifeCycleUnstructured:

interactions

interactionsUnstructured:

feeding

0

dataObject:

additionalInformation:

0

isbn: 0-86727-137-X

keywords:

Atanatolica,Chimarra,Grumichella,Helicopsyche,Leucotrichia,Marilia,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira

institution:

edition: 1

address:

publisher: Ohio Biological Survey

accessed:

websites:

chapter:

series:

pages: 239

issue:

year: 1999

0: Flint Jr, Oliver S

1: Holzenthal, Ralph W

2: Harris, Steven C

title: Catalog of the Neotropical Caddisflies (Insecta: Trichoptera)

source:

type: book

tags:

Atanatolica,Chimarra,Grumichella,Helicopsyche,Leucotrichia,Marilia,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira

abstract:

last\_modified:

created:

group\_id:

profile\_id:

id:  
geoPoint:  
location:  
thumbnailURL:  
description:  
source:  
bibliographicCitation:  
rightsHolder:  
rights: Universidad Católica de Oriente  
license: Atribución - No Comercial - Compartir igual (CC BY-NC-SA 4.0)  
modified:  
created:  
mimeType:  
dataType:  
identifier:  
feedingUnstructured: Se alimentan raspando diatomeas de la superficie de las rocas (Flint Jr. et al., 1999).  
environmentalEnvelope  
environmentalEnvelopeUnstructured:  
ecologicalSignificance

0

dataObject:  
additionalInformation:

0

isbn: 958-9129-04-8  
keywords: Alluaudomyia, Anchyrtarsus, Baetodes, Berosus, Corydalus, Disersus, Dixella, Ochrotrichia, Simulium, Triplectides, Tropisternus  
institution:  
address:  
publisher: FEN Colombia, Colciencias, Universidad de Antioquia  
accessed:  
websites:  
chapter:  
series:  
pages: 217  
issue:  
year: 1996  
0: Roldán, Gabriel  
title: Guía para el estudio de los macroinvertebrados acuáticos del Departamento de Antioquia  
source:  
type: book  
tags: Alluaudomyia, Anchyrtarsus, Baetodes, Berosus, Corydalus, Disersus, Dixella, Ochrotrichia, Simulium, Triplectides, Tropisternus  
abstract:  
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location:  
thumbnailURL:

description:  
source:  
bibliographicCitation:  
rightsHolder:  
rights: Universidad Católica de Oriente  
license: Atribución - No Comercial - Compartir igual (CC BY-NC-SA 4.0)  
modified:  
created:  
mimeType:  
dataType:  
identifier:  
ecologicalSignificanceUnstructured: Este género es utilizado como bioindicador de la calidad del agua.  
Hydroptilidae, familia a la que pertenece, tiene un puntaje de 8 en el índice BMWP/Col. (en donde 1 es altamente tolerante a la contaminación y 10 es poco tolerante), lo cual indica que es sensible a la contaminación de las aguas (Roldán, 2003).

## dispersal

dispersalUnstructured:  
distance:  
structureDispersed:  
type:  
purpose:

## behavior

behaviorUnstructured:

## ancillaryData

dataObject:  
additionalInformation:  
geoPoint:  
location:  
thumbnailURL:  
description:  
source:  
bibliographicCitation:  
rightsHolder:  
rights:  
license:  
modified:  
created:  
mimeType:  
dataType:  
identifier:

## measurementOrFact

relatedTo:  
measurementRemarks:  
measurementMethod:  
measurementDeterminedDate:  
measurementUnit:  
measurementAccuracy:  
measurementValue:  
measurementType:  
measurementID:

endemicAtomized

distribution

ancillaryData

dataObject:  
additionalInformation:

reference

link: <http://conservancy.umn.edu/handle/11299/163292>  
keywords: Hydroptila,Leucotrichia,Ochrotrichia,Oxyethira

editors

institution: University of Minnesota  
address:  
publisher:  
accessed:  
websites:  
chapter:  
series:  
pages: 1--362  
issue:  
year: 2014

authors

authors: Thomson, Robin Elizabeth  
title: Phylogeny of the microcaddisflies with a revision of the genus Leucotrichia mosely (Trichoptera: Hydroptilidae)  
source:  
type: thesis  
tags: Hydroptila,Leucotrichia,Ochrotrichia,Oxyethira  
abstract:

identifiers

last\_modified:  
created:  
group\_id:  
profile\_id:  
id:  
geoPoint:  
location:  
thumbnailURL:

mediaURL

description:

subject

source:

audience

bibliographicCitation:  
rightsHolder:

rights: Universidad Católica de Oriente  
license: Atribución - No Comercial - Compartir igual (CC BY-NC-SA 4.0)  
modified:  
created:

## agent

contentType:  
dataFormat:  
identifier:  
distributionUnstructured: El género Ochrotrichia se ha registrado en el Norte, Centro y Sudamérica. Para Colombia se ha reportado en los departamentos de Antioquia, Chocó, Tolima y Valle del Cauca (Thomson, 2014; GIBF, 2015).

## distributionAtomized

stateProvince: Antioquia

## ancillaryData

locality:  
municipality:  
country: Colombia

## temporalCoverage

endDate:  
startDate:

## distributionScope

type:

## threatStatus

## territory

territoryUnstructured:  
areaOfOccupancy:  
extentOfOccurrence:

## populationBiology

populationBiologyUnstructured:

## legislation

legislationUnstructured:

## directThreats

directThreatsUnstructured:

## ancillaryData

dataObject:  
additionalInformation:  
geoPoint:  
location:  
thumbnailURL:  
description:  
source:  
bibliographicCitation:  
rightsHolder:

rights:  
license:  
modified:  
created:  
mimeType:  
dataType:  
identifier:

## measurementOrFact

relatedTo:  
measurementRemarks:  
measurementMethod:  
measurementDeterminedDate:  
measurementUnit:  
measurementAccuracy:  
measurementValue:  
measurementType:  
measurementID:

abstract: El género *Ochrotrichia* fue establecido por Mosely en 1934, contiene actualmente 203 especies, incluyendo 5 especies fósiles. Miden entre 2.0 y 4.0 mm; las esquinas anterolaterales del meso y matanoto son lobuladas; carecen de agallas al final del abdomen (Roldán, 2003); la mayoría de las larvas construyen casas similares a las del género *Hydroptila*, pero de material aún más fino, con dos valvas de seda, cubiertas con arena o en ocasiones cubiertas con algas filamentosas, en forma de saco y con algunas piedritas incorporadas. Otras especies construyen las casas con forma de pequeñas tortugas con un lado convexo y otro plano (Wiggins, 1996). Las larvas viven en aguas corrientes (principalmente) y en algunos casos lénticas. Tienen un amplio rango de tolerancia a la temperatura. Viven en sustratos pedregosos donde se encuentran muchas algas, se consideran indicadores de aguas oligotróficas (Correa et al., 1981; Roldán, 1996).

*Hydroptilidae*, familia a la que pertenece el género *Ochrotrichia*, se considera indicadora de aguas oligotróficas, el puntaje de este taxón en el índice BMWP/Col. es de 8 (el puntaje va de 1 a 10 de acuerdo con la tolerancia de los diferentes grupos a la contaminación orgánica, donde las familias más sensibles reciben un puntaje de 10 y las más tolerantes a la contaminación reciben un puntaje de 1). Los organismos con este puntaje son característicos de aguas limpias, aunque pueden presentarse algunos taxones de aguas poco contaminadas (Roldán, 2003).

## associatedParty

role:  
personnelIdentifier:  
personnelDirectory:  
homepage:  
email: enataliagomez@gmail.com  
phone:  
postalCode:  
country: Colombia  
state: Bogotá Distrito Capital  
city: Bogotá D.C.  
address:  
organisation:  
position:  
lastName: Gómez Melendro  
firstName: Edith Natalia

## ancillaryData

dataObject:  
additionalInformation:

## reference

geoPoint:  
location:  
thumbnailURL:  
mediaURL: <https://www.flickr.com/photos/129724881@N03/16396348122/>  
description:

## subject

source: [https://farm9.staticflickr.com/8679/16396348122\\_a83534300e.jpg](https://farm9.staticflickr.com/8679/16396348122_a83534300e.jpg)

## audience

bibliographicCitation: Fotografía Esteban Peláez Sánchez  
rightsHolder: limnologia\_uco  
rights:  
license: <http://creativecommons.org/licenses/by/2.0/>  
modified:  
created:

## agent

contentType:  
dataType:  
identifier:

\_id

\_bsontype: ObjectID  
id: VB\*çfÄW DäÄP