Reporte de Fichas para el usuario: edith gómez Ficha ID: 56de1b4283c45700544e3bff Fecha de creación: 2016-03-08T00:22:31.467Z annualCycles annualCycleUnstructured: habitats 0 dataObject: additionalInformation: keywords: Atanatolica, Atopsyche, Chimarra, Grumichella, Helicopsyche, Hydroptila, Leptonema, Marilia, Nectopsyche, Oc hrotrichia, Oecetis, Phylloicus, Polyplectropus, Triplectides, Xiphocentron institution: address: publisher: accessed: websites: chapter: series: issue: year: 1981 0: Correa, M. 1: Machado, T. 2: 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, Ochrotri chia, Oecetis, Phylloicus, Polyplectropus, Triplectides, Xiphocentron abstract: last modified: created: group\_id: profile\_id: id: 1 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 S1: Holzenthal, Ralph W2: 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:

habitatUnstructured: Sus larvas están asociadas a aguas con poca corriente, también se han encontrado en la zona litoral de los lagos, adheridas a los sustratos pedregosos; pueden encontrarse sobre piedras sumergidas, entre los musgos que las recubren y sobre todo entre masas de hojas (Correa et al., 1981) también han sido reportadas en aguas termales con temperaturas de 34°C (Flint Jr., 1999).

#### commonNamesAtomized

creation\_date: 2016-03-08T00:22:31.467Z usesManagementAndConservation

### ancillaryData

managementAndConservationUnstructured:

managementAndConservationAtomized

identificationKeys

0

dataObject:

additionalInformation:

0

link: http://www.lillo.org.ar/revis/zoo/58-2/03.pdf

keywords: Atopsyche, Helicopsyche, Leptonema, Marilia, Xiphocentron, insectos acuáticos, macroinver

tebrados, noro este argentino, tricópteros

institution:

address: publisher: accessed: websites: chapter: series:

pages: 194--221

issue: volume: 58 year: 2014 0: Miranda, Isa 1: Águeda, V

2: Rueda Mart\'in, Paola A

title: El Orden Trichoptera en Tucumán, Argentina : nuevo registro de Leucotrichia lerma (Angrisano y Burgos, 2002) (Trichoptera : Hydroptilidae), descripción de sus estados inmaduros, lista de especies y claves de identificación

ilustradas

source: Acta Zoológica Lilloana

type: article

tags: Atopsyche, Helicopsyche, Leptonema, Marilia, Xiphocentron

abstract: "The Order Trichoptera in Tucumán, Argentina: new record of Leucotrichia lerma (Angrisano y Burgos, 2002) (Trichoptera: Hydroptilidae), description of its immature stages, list of species and illustrated identification keys". Leucotrichia lerma Angrisano y Burgos (2002) is recorded for the first time in a river from Tucumán province. Its imma- ture stages were associated using the methamorphotype method. A species list is included for the province and for the first time we present illustrated identification keys of Tri- choptera larvae at different taxonomic levels. Fifty one species of Trichoptera, assigned to 12 families and 24 genera, are recorded from Tucumán province. Only 25 species were associated to species level. These are included in a specific key.

last modified:

created: group\_id: profile\_id: id:

1

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

keywords: Atanatolica, Atopsyche, Chimarra, Grumichella, Helicopsyche, Hydroptila, Leptonema, Leucotrichia, Macrostem um, 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-Garc\'ia, 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

modified: created: mimeType: dataType: identifier: keys: Miranda, I., Águ registro de Leucotrich inmaduros, lista de es from http://www.lillo.or Posada-García, J. A., Occidente de Colomb	atólica de Oriente lo Comercial - Compartir igual (CC BY-NC-SA 4.0)  leda, V., & Rueda Martín, P. A. (2014). El Orden Trichoptera en Tucumán, Argentina /: nuevo ia lerma (Angrisano y Burgos, 2002) (Trichoptera /: Hydroptilidae), descripción de sus estados species y claves de identificación ilustradas. Acta Zoológica Lilloana, 58(2), 194–221. Retrieved rg.ar/revis/zoo/58-2/03.pdf & Roldán, G. (2003). Clave ilustrada y diversidad de las larvas de Trichoptera en el Noria. Caldasia, 25(1), 169–192. Retrieved from http://
fullDescription	
0	
dataObject: additionalInformation:	
0	
a,Polyplectropus institution: edition: 2 address:	Helicopsyche, Hydroptila, Leucotrichia, Macrostemum, Nectopsyche, Ochrotrichia, Oecetis, Oxyethin
publisher: University of accessed:	of Toronto Press
websites:	
chapter:	
series:	
pages: 457 issue:	
year: 1996	
0: Wiggins, Glenn B	
	rth American Caddisfly Genera
COLIFOO	

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

type: book

yplectropus

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: La larva presenta la cabeza usualmente aplanada, con carina; antena pequeña que nace cerca al margen frontal de la cabeza, apotema ventral no fácil de distinguir debido al patrón oscuro de la cabeza, pronoto fuertemente esclerotizado con ausencia de pelos y cerdas fuertes; metanotum usualmente de color pálido la morfología de sus escleritos que son usualmente tres es poco conspicua y dificulta su identificación. Patas posteriores cortas, solo ligeramente más largas que las anteriores, coxas fuertemente esclerotizadas; agallas usualmente ausentes y cuando las poseen presentan pelos filamentosos en el primer esclerito; uña anal con pequeños dientes. Su longitud es de aproximadamente 10 mm. Su casa es en forma de caracol-helicoidal, lo que deriva su nombre; no excede los 6 mm de diámetro y es construida de material mineral fino. La apertura anterior de la casa tiene una especie de cubierta que puede cerrarse (Wiggins, 1996). briefDescription:

### references

keywords: Atanatolica, Atopsyche, Chimarra, Grumichella, Helicopsyche, Hydroptila, Leptonema, Marilia, Nectopsyche, Ochrotrichia, Oecetis, Phylloicus, Polyplectropus, Triplectides, 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, Ochrotri 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: in Siebold, Parthenog., 38.

source: datatype: identifier:

specialAuthorship

#### authors

#### year

simple:

canonicalAuthorship

#### authors

## year

simple:

simple: von Siebold, 1856

#### canonicalName

infraspecificEpithet: specificEpithet: infragenericEpithet:

linkType:

ref: uninomial:

simple: Helicopsyche

rank: GENUS

simple: Helicopsyche von Siebold, 1856

#### attributes

nomenclaturalCode: isAnamorphic:

id:

## synonymsAtomized

## ancillaryData

synonymStatus:

synonymName

anyTwo:

## anyOne

providerLink: microReference:
publishedIn
source: datatype: identifier:
reletedName
source: datatype: identifier: note: ruleConsidered: microReference:
publishedIn
source: datatype: identifier:
reletedName
source: datatype: identifier: note: ruleConsidered: microReference:
publishedIn
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source: datatype: identifier:
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note:

ruleConsidered: microReference:

# publishedIn source: datatype: identifier: reletedName source: datatype: identifier: note: ruleConsidered

ruleConsidered: microReference:

#### publishedIn

source: datatype: identifier:

#### reletedName

source: datatype: identifier: note:

ruleConsidered:

## typeNameEntity

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

## typeVoucherEntity

typeOfType: simple:

microReference:

year:

source: Kosmos 17: -. [201-204]

datatype: identifier:

## combinationAuthorship

## basionymAuthorship

simple:

authorship

simple:

simple: Müller, 1885

#### epithet

infraspecificEpithet: specificEpithet: infragenericEpithet:

#### genus

linkType: ref: uninomial:

simple: Cochliopsyche

rank: GENUS

simple: Cochliopsyche Müller, 1885

nomenclaturalCode: isAnamorphic:

id:

## hierarchy

## ancillaryData

dataObject: additionalInformation:

# reference

geoPoint: location: thumbnailURL:

### mediaURL

description:

## subject

source: The Catalogue of Life, 3rd January 2011

#### audience

bibliographicCitation:

rigthsHolder: rights: license:

modified: 2016-03-08T00:22:11.455Z created: 2016-03-08T00:22:11.455Z

## agent

title:

homepage:

role: email: phone: address: position: organisation: lastName: firstName:

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:	mimeType: dataType: identifier: parentTaxon: He higherClassificati infraspecificEpithet: taxonRank: GEN subGenus: genus: Helicopsy family: Helicopsy order: Trichopter classHierarchy: I phylum: Arthropo kingdom: Animal recommended: classification:	ion: iet: iUS i/che i/chidae a insecta
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		
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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	interactions	
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keywords: Atanatolica,Chimarra,Grumichella,Helicopsyche,Leucotrichia,Marilia,Nectopsyche,Ochrotrichia,Oecetis,Oxyethira institution: edition: 1 address: publisher: Ohio Biological Survey	0	
	keywords: Atanatolica,Chim institution: edition: 1 address: publisher: Ohio E	narra, Grumichella, Helicopsyche, Leucotrichia, Marilia, Nectopsyche, Ochrotrichia, Oecetis, Oxyethira

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: Las larvas son depredadoras de pequeños animales, restos orgánicos y de algas que se encuentran en las rocas o en el sustrato (Flint Jr. et al., 1999).
environmentalEnvelope
environmentalEnvelopeUnstructured:
ecologicalSignificance

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dataObject:

additionalInformation:

0

isbn: 958-655-081-8

keywords: Aeshna, Alluaudomyia, Ambrysus, Anacroneuria, Anchytarsus, Argia, Atanatolica, Atopsyche, Baetodes, Belost oma, Berosus, Brachymetra albinervis, Buenoa, Camelobaetidius, Charmatometra bakeri, Chimarra, Copelatus, Corydalus, Curicta, Disersus, Dixella, Eurygerris, Gelastocoris, Grumichella, Helicopsyche, Hemerodromia, Hetaerina, Heterelmis, Hydrometra, Hydroptila, Hypolobocera, Laccophilus, Leptohyphes, Leptonema, Leucotrichia, Limnocoris, Lutrochus, Macrelmis, Macrobrachium, Macrostemum, Marilia, Martarega, Maruina, Melanoides tuberculata, Microcylloepus, Microvelia, Narpus, Nectopsyche, Nerthra, Notonecta, Ochrotrichia, Oecetis, Oxyethira, Phyllogomphoides, Phylloicus, Polyplectropus, Potamobates, Progomphus, Pseudodisersus, Rhagovelia, Rhantus, Simulium, Sylviocarcinus, Tachygerris, Tenagobia, Thraulo

des,Tricorythodes,Triplectides,Tropisternus,Uncancylus concentricus,Xenelmis,Xiphocentron institution: edition: 1 address: publisher: Editorial Universidad de Antioquia accessed: websites: chapter: series: pages: 170 issue:
year: 2003
0: Roldán, Gabriel title: Bioindicación de la calidad del agua en Colombia Uso del método BMWP/Col. source:
type: book
tags: Aeshna, Alluaudomyia, Ambrysus, Anacroneuria, Anchytarsus, Argia, Atanatolica, Atopsyche, Baetodes, Belostoma, Berosus, Brachymetra albinervis, Buenoa, Camelobaetidius, Charmatometra bakeri, Chimarra, Copelatus, Corydalus, Curi cta, Disersus, Dixella, Eurygerris, Gelastocoris, Grumichella, Helicopsyche, Hemerodromia, Hetaerina, Heterelmis, Hydrom etra, Hydroptila, Hypolobocera, Laccophilus, Leptohyphes, Leptonema, Leucotrichia, Limnocoris, Lutrochus, Macrelmis, Macrobrachium, Macrostemum, Marilia, Martarega, Maruina, Melanoides tuberculata, Microcylloepus, Microvelia, Narpus, Nectopsyche, Nerthra, Notonecta, Ochrotrichia, Oecetis, Oxyethira, Phyllogomphoides, Phylloicus, Polyplectropus, Potamobat es, Progomphus, Pseudodisersus, Rhagovelia, Rhantus, Simulium, Sylviocarcinus, Tachygerris, Tenagobia, Thraulodes, Tri corythodes, Triplectides, Tropisternus, Uncancylus concentricus, Xenelmis, 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:
ecologicalSignificanceUnstructured: Este género es utilizado como bioindicador de la calidad del agua. Helicopsychidae, 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: https://minerva.usc.es/bitstream/10347/6632/1/pg{\\_}217-226{\\_}nacc11.pdf keywords: Helicopsyche editors institution: address: publisher: accessed: websites:

chapter: series:

pages: 215--223

issue: volume: 11 year: 2001

#### authors

authors: Vieira-Lanero, R authors: González, M A

authors: Cobo, F

title: Descripción de la larva de Helicopsyche helicifex (Allen, 1857) (Trichoptera, Helicopsychidae)

source: Nova Acta Cient\'ifica Compostelana (Biolox\'ia)

type: article

tags: Helicopsyche

abstract:

#### identifiers

last modified:

created: group\_id:

profile\_id:

id:

geoPoint: location:

thumbnailURL:

#### mediaURL

description:

#### subject

source:

#### audience

bibliographicCitation:

rightsHolder:

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modified: created:

#### agent

mimeType: dataType: identifier:

distributionUnstructured: El género Helicopsyche es el más numeroso de la familia, contando con 145 especies actuales en todo el mundo, siete de las cuales se hallan presentes en la región paleártica, cinco en Europa y dos en Asia (Vieira-Lanero et al., 2001). De acuerdo a los registros existentes en las colecciones biológicas, este género, se encuentra reportado para Colombia en los departamentos de Antioquia, Caldas, Cesar, Chocó y Putumayo (GBIF, 2015). Muñoz-Quesada (2000) presenta un listado de las especies de Tricópteros conocidas para Colombia y registra este género en un rango altitudinal entre 780 -2150 msnm; en Antioquia se encuentran en todos los pisos altitudinales siendo más abundantes entre los 1000 y 2000 msnm (Posada-García, 2002). Solo la especie, H. borealis se ha encontrado a 55° de latitud Norte (Wiggins, 1996).

#### 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 Helicopsyche es de distribución cosmopolita. Fue descrito por Von Siebold en 1856. Las larvas miden entre 3.5 y 4.0 mm; presentan una protuberancia en el primer segmento abdominal; la uña anal posee dientes en forma de peine; (Roldán, 2003); sus casas son fácilmente reconocibles por su forma helicoidal y por estar construidas de finos fragmentos de piedra y arena. Su construcción tiene forma de concha de caracol y esta forma permite una buena circulación del agua proporcionando el oxígeno necesario para una buena respiración (Correa et al., 1981). Debido a la misma estructura de la casa, la larva presenta forma helicoidal, se alimenta raspando algas y detritus de la superficie de las piedras. Este género se encuentra en pequeñas corrientes de aguas limpias, frías y de escasa profundidad. Son particularmente abundantes en fuentes y manantiales, donde se encuentran sobre piedras sumergidas, entre los musgos que las recubren y entre los cúmulos de restos vegetales (sobre todo entre masas de hojas), algunas especies se pueden encontrar en aguas termales. Las estructuras de la cabeza y el pronoto son caracteres distintivos para la identificación de las especies (Vieira-Lanero et al., 2001; Wiggins, 1996). Helicopsychidae, familia a la que pertenece el género Helicopsyche, 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:

personnelldentifier: personnelDirectory:

homepage:

email: enataliagomezm@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@N03/16395886402/in/photostream/

description:

#### subject

source: https://farm9.staticflickr.com/8659/16395886402\_de76b3bcaa.jpg

#### audience

bibliographicCitation: Fotografía Esteban Peláez Sánchez

rightsHolder: limnologia\_uco

rights: license: http://creativecommons.org/licenses/by/2.0/ modified:

created:

## agent

mimeType: dataType: identifier:

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