

## Reporte de Fichas para el usuario: edith gómez

Ficha ID: 56de3a7283c45700544e3c0b

Fecha de creación: 2016-03-08T02:35:35.368Z

annualCycles

annualCycleUnstructured:

habitats

0

dataObject:

additionalInformation:

0

link: <http://maxwellsci.com/print/crjbs/v3-477-482.pdf>

keywords: Laccophilus,coleoptera,description,dytiscidae,iran,laccophilus,taxonomy

institution:

address:

publisher:

accessed:

websites:

chapter:

series:

pages: 477--482

issue:

volume: 3

year: 2011

0: Malekpour, Rokhsareh

1: Shiva, Amir Houshang

title: Study the taxonomy of Iranian species of Laccophilus Leach , 1817 (Coleoptera, Dytiscidae)

source: Current Research Journal of Biological Sciences

type: article

tags: Laccophilus

abstract:

last\_modified:

created:

group\_id:

profile\_id:

id:

1

isbn: 958-655-081-8

keywords: Aeshna,Alluaudomyia,Ambrysus,Anacroneuria,Anchytarsus,Argia,Atanatolica,Atopsyche,Baetodes,Belostoma,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,Narpu s,Nectopsyche,Nerthra,Notonecta,Ochrotrichia,Oecetis,Oxyethira,Phyllogomphoides,Phylloicus,Polypsectropus,Potamobates,Progomphus,Pseudodisersus,Rhagovelia,Rhantus,Simulium,Sylviocarcinus,Tachygerris,Tenagobia,Thraulodes,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, Atanatica, Atopsyche, Baetodes, Belostoma, Berosus, Brachymetra albinervis, Buena, Camelobaetidius, Chamaetometra 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, Necropsyche, Nerthra, Notonecta, Ochrotrichia, Oecetis, Oxyethira, Phyllogomphoides, Phylloicus, Polyplectropus, Potamobates, Progomphus, Pseudodisersus, Rhagovelia, Rhantus, Simulium, Sylviocarcinus, Tachygerris, Tenagobia, Thraulodes, Triacanthodes, 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:

contentType:

dataType:

identifier:

habitatUnstructured: Son especialmente abundantes en hábitats lóticos, pero también se pueden encontrar algunas especies en hábitats lénticos asociados a la vegetación y zonas de deposición (Malekpour & Shiva, 2011; Roldán, 2003).

[commonNamesAtomized](#)

[ancillaryData](#)

dataObject:

additionalInformation:

[reference](#)

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:

data Type:

identifier:

usedBy:

usedIn

distributionUnstructured:

endDate:

startDate:

## ancillaryData

type:

language: Español

name: Escarabajos buceadores

creation\_date: 2016-03-08T02:35:35.368Z

usesManagementAndConservation

## ancillaryData

managementAndConservationUnstructured:

## managementAndConservationAtomized

identificationKeys

0

dataObject:

additionalInformation:

0

link: <http://maxwellsci.com/print/crjbs/v3-477-482.pdf>

keywords: Laccophilus,coleoptera,description,dytiscidae,iran,laccophilus,taxonomy

institution:

address:

publisher:

accessed:

websites:

chapter:

series:

pages: 477--482

issue:  
volume: 3  
year: 2011  
0: Malekpour, Rokhsareh  
1: Shiva, Amir Houshang  
title: Study the taxonomy of Iranian species of *Laccophilus* Leach , 1817 (Coleoptera, Dytiscidae)  
source: Current Research Journal of Biological Sciences

type: article  
tags: *Laccophilus*  
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: Malekpour, R., & Shiva, A. H. (2011). Study the taxonomy of Iranian species of *Laccophilus* Leach , 1817 (Coleoptera, Dytiscidae). Current Research Journal of Biological Sciences, 3(5), 477–482. Retrieved from <http://maxwellsci.com/print/crjbs/v3-477-482.pdf>

fullDescription

0

dataObject:  
additionalInformation:

0

isbn: 958-655-081-8

keywords: *Aeshna*, *Alluaudomyia*, *Ambrysus*, *Anacroneuria*, *Anchytarsus*, *Argia*, *Atanatolica*, *Atopsyche*, *Baetodes*, *Belostoma*, *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*, *Polypsectropus*, *Potamobates*, *Progomphus*, *Pseudodisersus*, *Rhagovelia*, *Rhantus*, *Simulium*, *Sylviocarcinus*, *Tachygerris*, *Tenagobia*, *Thraulodes*, *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, Atanatica, Atopsyche, Baetodes, Belostoma, Berosus, Brachymetra albinervis, Buena, Camelobaetidius, Chamaetia bakeri, Chimarra, Copelatus, Corydalus, Curicta, Disersus, Dixella, Eurygerris, Gelastocoris, Grumichella, Helicopsyche, Hemerodromia, Hetaerina, Heterelmis, Hydrometra, Hydroptila, Hypobocera, Laccophilus, Leptohyphes, Leptonema, Leucotrichia, Limnocoris, Lutrochus, Macrelmis, Macrobrachium, Macrostemum, Marilia, Martarega, Maruina, Melanoides tuberculata, Microcylloepus, Microvelia, Narpus, Necropsyche, Nerthra, Notonecta, Ochrotrichia, Oecetis, Oxyethira, Phyllogomphoides, Phylloicus, Polyplectropus, Potamobates, Progomphus, Pseudodisersus, Rhagovelia, Rhantus, Simulium, Sylviocarcinus, Tachygerris, Tenagobia, Thraulodes, Triacanthodes, 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:

fullDescriptionUnstructured: Las larvas miden entre 5.0 y 9.0 mm; los cercis poseen numerosos pelos secundarios; el último segmento de la antena es simple; la cabeza es estrecha posteriormente y carece de sutura occipital. Los adultos miden entre 3.0 y 7.0 mm; las espinas de la tibia de la tercera pata son bífidas: el escutelo está cubierto por el pronoto; el último tarso presenta una sola uña (Roldán, 2003).

briefDescription:

## references

link: <http://doi.org/10.15468/dl.idqkro>  
keywords: Laccophilus

## editors

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

issue:  
year: 2015

## authors

authors: GBIF  
title: Laccophilus (Leach, 1815)  
source: GBIF Occurrence Download  
type: miscellany  
tags: Laccophilus  
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: Zool. Miscell. , 3, 72.

source:

datatype:

identifier:

specialAuthorship

[authors](#)

[year](#)

simple:

canonicalAuthorship

[authors](#)

[year](#)

simple:

simple: Leach, 1815

canonicalName

infraspecificEpithet:

specificEpithet:

infragenericEpithet:

linkType:

ref:

uninomial:

simple: Laccophilus

rank: GENUS

simple: Laccophilus Leach, 1815

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

source:  
datatype:  
identifier:

reletedName

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

publishedIn

source:  
datatype:  
identifier:

reletedName

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

publishedIn

source:  
datatype:  
identifier:

reletedName

source:  
datatype:  
identifier:  
note:  
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: Catal. Ins. Samml. , 158.  
datatype:  
identifier:

[combinationAuthorship](#)

basionymAuthorship

simple:

authorship

simple:

simple: Sturm, 1826

epithet

infraspecificEpithet:

specificEpithet:

infragenericEpithet:

genus

linkType:

ref:

uninomial:

simple: Lacophilus

rank: GENUS

simple: Lacophilus Sturm, 1826

nomenclaturalCode:

isAnamorphic:

id:

[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: 2016-03-08T02:35:15.352Z

created: 2016-03-08T02:35:15.352Z

[agent](#)

homepage:

role:

email:  
phone:  
address:  
position:  
organisation:  
lastName:  
firstName:  
mimeType:  
dataType:  
identifier:  
parentTaxon: Dytiscidae  
higherClassification:  
infraspecificEpithet:  
specificEpithet:  
taxonRank: GENUS  
subGenus:  
genus: Laccophilus  
family: Dytiscidae  
order: Coleoptera  
classHierarchy: Insecta  
phylum: Arthropoda  
kingdom: Animalia  
recommended:  
classification:

invasiveness

invasivenessUnstructured:

reproduction

0

dataObject:  
additionalInformation:

0

isbn: 9789992327517  
keywords: Laccophilus,Tropisternus  
0: Springer, Monika  
1: Sermeño Chicas, José Miguel  
institution:  
address:  
publisher: Editorial Universitaria UES, San Salvador  
accessed:  
websites:  
chapter:  
series:  
pages: 57  
issue:  
year: 2010  
0: Gutiérrez-Fonseca, Pablo E  
title: Gu'ia ilustrada para el estudio ecológico y taxonómico de los insectos acuáticos del Orden Coleoptera en San Salvador (El Salvador)  
source: Formulación de una gu'ia metodológica estandarizada para determinar la calidad ambiental de las aguas de los r'ios de San Salvador (El Salvador), utilizando insectos acuáticos.  
type: book\_section

tags: Laccophilus,Tropisternus

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:

contentType:

dataType:

identifier:

reproductionUnstructured: La ovoposición en ditiscidos está estrechamente relacionada con la estructura y forma del ovopositor, Laccophilus inserta sus huevos en las plantas acuáticas (Gutiérrez-Fonseca, 2010).

molecularData

molecularDataUnstructured:

migratory

migratoryUnstructured:

lifeForm

lifeFormUnstructured:

lifeCycle

lifeCycleUnstructured:

interactions

interactionsUnstructured:

feeding

0

dataObject:

additionalInformation:

0

link: <http://maxwellsci.com/print/crjbs/v3-477-482.pdf>

keywords: Laccophilus,coleoptera,description,dytiscidae,iran,laccophilus,taxonomy

institution:

address:

publisher:

accessed:

websites:

chapter:

series:  
pages: 477--482  
issue:  
volume: 3  
year: 2011  
0: Malekpour, Rokhsareh  
1: Shiva, Amir Houshang  
title: Study the taxonomy of Iranian species of *Laccophilus* Leach , 1817 (Coleoptera, Dytiscidae)  
source: Current Research Journal of Biological Sciences  
type: article  
tags: *Laccophilus*  
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: Estos escarabajos se alimentan principalmente de larvas de insectos, pero también eliminan los restos de detritus del fondo de los estanques (Malekpour & Shiva, 2011).

environmentalEnvelope

environmentalEnvelopeUnstructured:

ecologicalSignificance

0

dataObject:  
additionalInformation:

0

isbn: 958-655-081-8  
keywords: Aeshna, Alluaudomyia, Ambrysus, Anacroneuria, Anchytarsus, Argia, Atanatolica, Atopsyche, Baetodes, Belostoma, Berosus, Brachymetra albinervis, Buena, 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, Narpu s, Nectopsyche, Nerthra, Notonecta, Ochrotichia, Oecetis, Oxyethira, Phyllogomphoides, Phylloicus, Polyplectropus, Potamobates, Progomphus, Pseudodisersus, Rhagovelia, Rhantus, Simulium, Sylviocarcinus, Tachygerris, Tenagobia, Thraulodes, 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, Atanotolica, Atopsyche, Baetodes, Belostoma, Berosus, Brachymetra albinervis, Buena, 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, Necropsyche, Nerthra, Notonecta, Ochrotrichia, Oecetis, Oxyethira, Phyllogomphoides, Phylloicus, Polypsectropus, Potamobates, Progomphus, Pseudodisersus, Rhagovelia, Rhantus, Simulium, Sylviocarcinus, Tachygerris, Tenagobia, Thraulodes, Tricorythodes, 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. Dytiscidae, familia a la que pertenece, tiene un puntaje de 9 en el índice BMWP/Col. (en donde 1 es altamente tolerante a la contaminación y 10 es poco tolerante), lo cual indica que es muy 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://doi.org/10.15468/dl.idqkro>  
keywords: Laccophilus

## editors

institution:  
address:  
publisher:  
accessed:  
websites:  
chapter:  
series:  
issue:  
year: 2015

## authors



authors: GBIF  
title: Laccophilus (Leach, 1815)  
source: GBIF Occurrence Download  
type: miscellany  
tags: Laccophilus  
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:  
dataType:  
identifier:  
distributionUnstructured: Laccophilus, es cosmopolita, es uno de los géneros más ricos en especies de la familia Dytiscidae. Se han reportado 256 especies en todo el mundo, distribuidos principalmente en casi todas las regiones tropicales o templadas (Malekpour & Shiva, 2011; Zimmerman, 1960). De acuerdo a los registros existentes en las colecciones biológicas, este género se encuentra reportado para Colombia en los departamentos de Antioquia, Arauca, Boyacá, Cesar, Chocó, La Guajira y Santander (GBIF, 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:

contentType:

dataType:

identifier:

measurementOrFact

relatedTo:

measurementRemarks:

measurementMethod:

measurementDeterminedDate:

measurementUnit:

measurementAccuracy:

measurementValue:

measurementType:

measurementID:

abstract: Los escarabajos acuáticos del género *Laccophilus* representan un grupo especializado y de gran éxito, ampliamente distribuidos sobre la faz de la tierra (Zimmerman, 1960). Casi 100 especies habitan el neotrópico y su identificación es un problema grave debido a la ausencia de claves adecuadas y a la falta de revisión de especies (Michat, 2008).

Los adultos miden entre 3.0 y 7.0 mm; las espinas de la tibia de la tercera pata son bífidas; el escutelo está cubierto por el pronoto; el último tarso presenta una sola uña. Las larvas miden entre 5.0 y 9.0 mm; los cercis poseen

numerosos pelos secundarios; el último segmento de la antena es simple; la cabeza es estrecha posteriormente y carece de sutura occipital. Viven en aguas lóxicas, asociados a la vegetación y zonas de deposición (Roldán, 2003).

Dytiscidae, familia a la que pertenece Laccophilus, tiene un valor de 9 en el índice BMWP/Col, (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 (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@N03/16414793456/>  
description:

## subject

source: [https://farm8.staticflickr.com/7282/16414793456\\_d386a719f4.jpg](https://farm8.staticflickr.com/7282/16414793456_d386a719f4.jpg)

## audience

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modified:  
created:

## agent

mimeType:  
dataType:  
identifier:

\_id

\_bsontype: ObjectId  
id: VP:rfÄW DãË