Leiostyla fuscidula

Assessment by: Frias Martins, A.

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**Taxonomy**

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Phylum</th>
<th>Class</th>
<th>Order</th>
<th>Family</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>Mollusca</td>
<td>Gastropoda</td>
<td>Stylommatophora</td>
<td>Lauriidae</td>
</tr>
</tbody>
</table>

**Taxon Name:** *Leiostyla fuscida* Morelet, 1860

**Taxonomic Notes:**
The Lauriidae of the Azores are currently under revision.

**Assessment Information**

**Red List Category & Criteria:** Data Deficient  ver 3.1

**Year Published:** 2013

**Date Assessed:** November 19, 2010

**Justification:**
The range of this species across the Azores is uncertain due to taxonomic concerns. Until the pending taxonomic review is complete this species is considered to be Data Deficient (DD), as the extent of this species distribution could affect its category.

**Previously Published Red List Assessments**
1996 – Data Deficient (DD)

**Geographic Range**

**Range Description:**
This species occurs in all the islands of the Azores, except Corvo.

**Country Occurrence:**
Native: Portugal (Azores)
Leiostyla fuscidula

Range

Extant (resident)

Compiled by:
IUCN

The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.
Population
Morelet (1860) states that this species is common under leaves and stones on all islands. Backhuys (1975) referred the high variability of the taxon but was cautious about extending its range to all islands, for he left out the islands of Santa Maria, Graciosa and Corvo. It will be provisionally mapped here in the first islands, pending the results of the revision under way; the specimens from Corvo seem quite different and will not be included here.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)
*Leiostyla fuscidula* lives in forested habitats, where it can be found under dead leaves, as well as under heaps of rocks and stone walls, from xeric, littoral habitats, e.g. Ilhéu de Vila Franca do Campo (Martins 1995), to the endemic forest, e.g. Cabeço da Bola, Pico island (Martins et al. 2006). It is common under rocks, mainly at lower altitudes; in forests it can also be found on the underside of the leaves of live *Hedychium gardneranum*, but more commonly hiding in the curled, dry leaves of that same plant.

Systems: Terrestrial

Threats
Due to its wide range of habitats, no threats are foreseen.

Conservation Actions
The species is under taxonomic review, and research is needed regarding its true distribution across the islands due to taxonomic uncertainty.

Credits
Assessor(s): Frias Martins, A.
Reviewer(s): Neubert, E. & Cuttelod, A.
Bibliography


Citation


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External Resources

For [Images and External Links to Additional Information](http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T11474A3282633.en), please see the Red List website.
Appendix

Habitats
(http://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
<thead>
<tr>
<th>Habitat</th>
<th>Season</th>
<th>Suitability</th>
<th>Major Importance?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Forest -&gt; 1.4. Forest - Temperate</td>
<td>-</td>
<td>Suitable</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Research Needed
(http://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
<thead>
<tr>
<th>Research Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Research -&gt; 1.1. Taxonomy</td>
</tr>
<tr>
<td>1. Research -&gt; 1.2. Population size, distribution &amp; trends</td>
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</table>

Additional Data Fields

<table>
<thead>
<tr>
<th>Distribution</th>
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<tbody>
<tr>
<td>Estimated extent of occurrence (EOO) (km²): 100000</td>
</tr>
<tr>
<td>Lower elevation limit (m): 20</td>
</tr>
<tr>
<td>Upper elevation limit (m): 1040</td>
</tr>
</tbody>
</table>
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