



Leiostyla lamellosa

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|----------------------|--------------|
| Annex | II, IV |
| Priority | No |
| Species group | Molluscs |
| Regions | Macaronesian |

Madeiran Land Snail, *Leiostyla lamellosa*, is endemic to island of Madeira. The species is reported as extinct before the Directive came into force by Portugal. The species was recorded only once in 1878. The surveys have been carried out in suitable habitats of the species, but without positive results. Portugal notes in their report, that the habitats where this species was originally recorded were severely altered, including the site of Vasco Gil, where native and endemic vegetation has been replaced by plantations of conifers and eucalyptus. The modeling work revealed new potential sites for this species, which should be still prove in the field. The IUCN treats it as EX, but notes that it is anyway prudent to wait until the species is refound, as many species in Macaronesia have been refound after 60 years and the potential sites of the species are inaccessible so many of them were not surveyed.

The species conservation status is assessed as "Unknown" in the Macaronesian region due to lack of modern information.

The main threats (or reason to extinction) are habitat destruction and different land use.

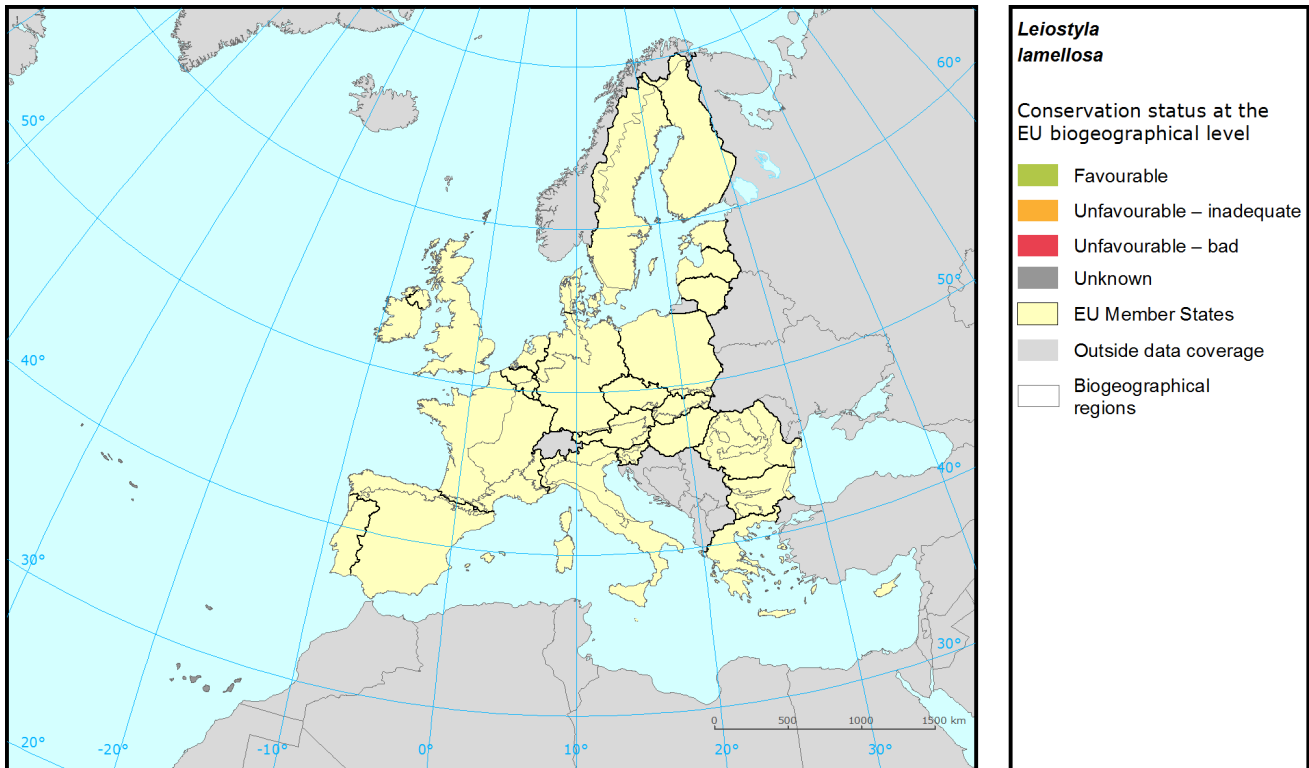
Changes in overall conservation status between 2001-06 and 2007-12 report are mostly caused by different interpretation of existing data rather than real change in conservation status.

More investigations are requested by Portugal.

Species: *Leiostyla lamellosa*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the European biogeographical level



| Region | Conservation status (CS) of parameters | | | | Current CS | Trend in CS | % in region | Previous CS | Reason for change |
|--------|--|------------|---------|------------------|------------|-------------|-------------|-------------|-------------------|
| | Range | Population | Habitat | Future prospects | | | | | |
| | | | | | | | | | |

See the endnote for more informationⁱ

Assessment of conservation status at the Member State level

No data available

The map shows both Conservation Status and distribution using a 10 km x 10 km grid. Conservation status is assessed at biogeographical level. Therefore the representation in each grid cell is only illustrative.

Species: *Leiostyla lamellosa*

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| MS Region | Conservation status of parameters | | | | Current CS | Trend in CS | % in region | Previous CS | Reason for change |
|-----------|-----------------------------------|------------|---------|------------------|------------|-------------|-------------|-------------|-------------------|
| | Range | Population | Habitat | Future prospects | | | | | |

Knowing that not all changes in conservation status between the reporting periods were genuine, Member States were asked to give the reasons for changes in conservation status. Bulgaria and Romania only joined the EU in 2007 and Greece did not report for 2007-12 so no reason is given for change for these countries. Greek data shown above is from 2001-06.

Main pressures and threats reported by Member States

Member States were asked to report the 20 most important threats and pressures using an agreed hierarchical list which can be found on the [Article 17 Reference Portal](#). Pressures are activities which are currently having an impact on the species and threats are activities expected to have an impact in the near future. Pressures and threats were ranked in three classes 'high, medium and low importance'; the tables below only show threats and pressures classed as 'high', for some species there were less than ten threats or pressures reported as highly important.

Ten most frequently reported 'highly important' pressures

| Code | Activity | Frequency |
|--|----------|-----------|
| No 'highly important' pressures were reported. | | |

Ten most frequently reported 'highly important' threats

| Code | Activity | Frequency |
|--|----------|-----------|
| No 'highly important' threats were reported. | | |

Proportion of population covered by the Natura 2000 network

For species listed in the Annex II of the Directive Member States were asked to report the population size within the Natura 2000 network. The percentage of species population covered by the network was estimated by comparing the population size within the network and the total population size in the biogeographical/marine region.

Percentage of coverage by Natura 2000 sites in biogeographical/marine region

No data available.

See the endnotes for more informationⁱⁱ

Species: *Leiostryla lamellosa*

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Most frequently reported conservation measures

For species listed in the Annex II of the Directive Member States were asked to report up to 20 conservation measures being implemented for this species using an agreed list which can be found on the Article 17 Reference Portal. Member States were further requested to highlight up to five most important ('highly important') measures; the table below only shows measures classed as 'high', for many species there were less than ten measures reported as highly important.

Ten most frequently reported 'highly important' conservation measures

| Code | Measure | Frequency |
|---|---------|-----------|
| No 'highly important' measures were reported. | | |

This information is derived from the Member State national reports submitted to the European Commission under Article 17 of the Habitats Directive in 2013 and covering the period 2007-2012. More detailed information, including the MS reports, is available at:

<http://bd.eionet.europa.eu/article17/reports2012/species/summary/?group=Molluscs&period=3&subject=Leiostryla+lamellosa>

Species: *Leiostyla lamellosa*

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i Assessment of conservation status at the European biogeographical level: Current Conservation Status (Current CS) shows the status for the reporting period 2007-2012, Previous Conservation Status (Previous CS) for the reporting period 2000-2006. Reason for change in conservation status between the reporting periods indicates whether the changes in the status were genuine or not genuine. Previous Conservation Status was not assessed for Steppic, Black Sea and Marine Black Sea regions. For these regions the Previous status is therefore considered as 'unknown'. The percentage of the species population occurring within the biogeographical/marine region (% in region) is calculated based on the area of GIS distribution.

ii Percentage of coverage by Natura 2000 sites in biogeographical/marine region: In some cases the population size within the Natura 2000 network has been estimated using a different methodology to the estimate of overall population size and this can lead to percentage covers greater than 100%. In such case the value has been given as 100% and highlighted with an asterisk (*). The value 'x' indicates that the Member State has not reported the species population and/or the coverage by Natura 2000. No information is available for Greece. The values are only provided for regions, in which the occurrence of the species has been reported by the Member States.