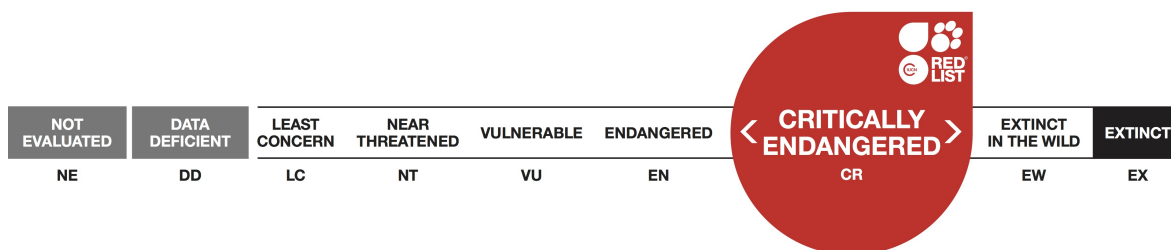


## *Hemicycla paeteliana*

Assessment by: Groh, K. & Alonso, R.



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

| Kingdom  | Phylum   | Class      | Order           | Family    |
|----------|----------|------------|-----------------|-----------|
| Animalia | Mollusca | Gastropoda | Stylommatophora | Helicidae |

**Taxon Name:** *Hemicycla paeteliana* (L. Pfeiffer, 1859)

## Assessment Information

**Red List Category & Criteria:** Critically Endangered B2ab(iii) [ver 3.1](#)

**Year Published:** 2013

**Date Assessed:** September 29, 2010

### Justification:

This species is restricted to the island of Fueteventura, Canary Islands, where it is found on the Jandia peninsular. It has a restricted range (area of occupancy = 8 km<sup>2</sup>) and is found in a single location, with a small population which is currently threatened as a result of impact of goats disturbing the habitat and recreational use by tourists. Future threats include hotel developments. Recommended conservation actions include the designation of a 'reserva natural' for the species, removal of goats and restricted access to the region for tourism. This species is therefore considered as Critically Endangered (CR) B2ab(iii).

## Geographic Range

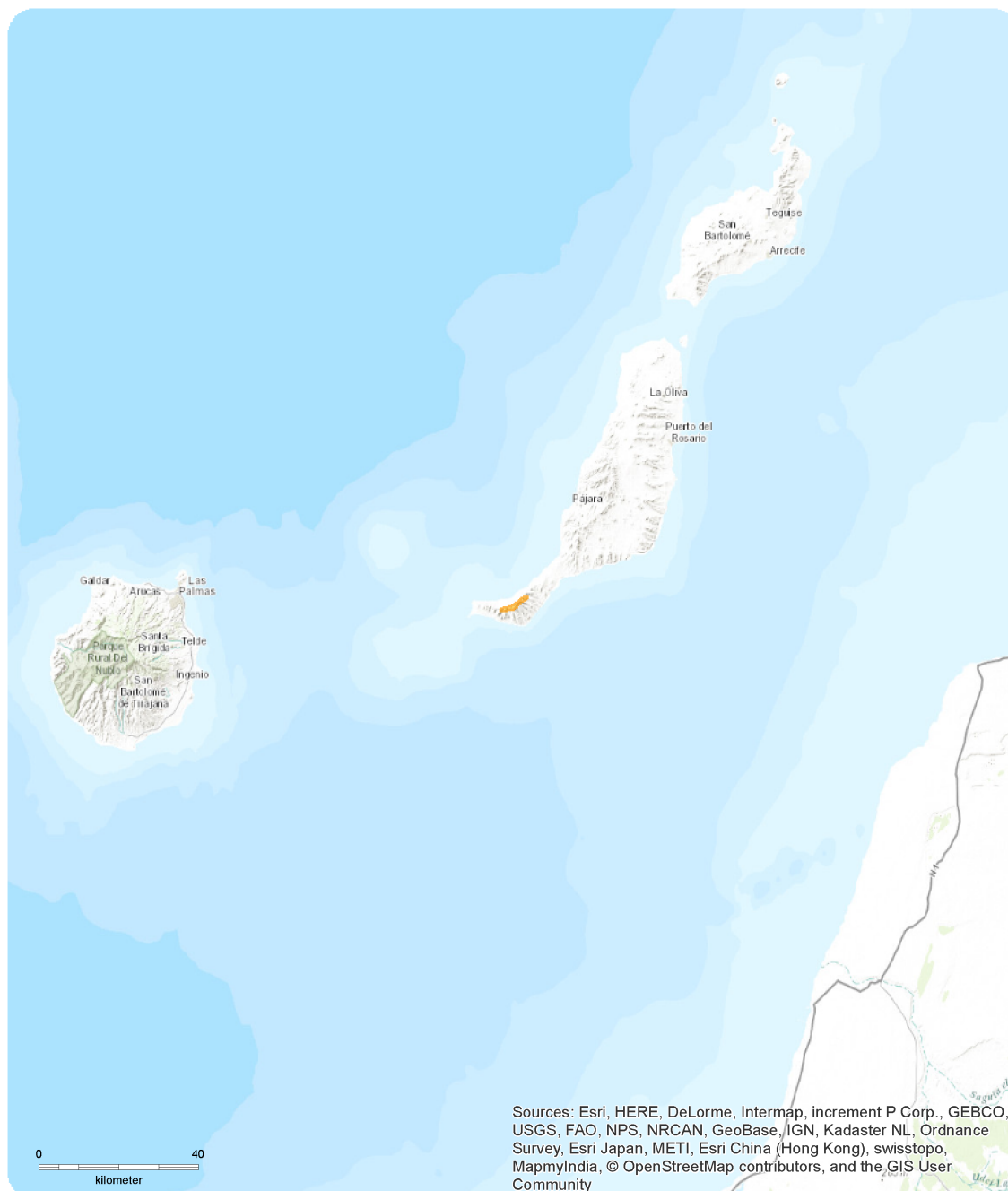
### Range Description:

This species is restricted to the island of Fueteventura, Canary Islands, where it is found on the Jandia peninsular.

### Country Occurrence:

**Native:** Spain (Canary Is.)

## Distribution Map



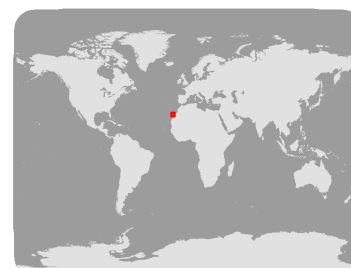
### *Hemicycla paeteliana*

Range

■ Extant (resident)

Compiled by:  
IUCN

NE DD LC NT VU EN **< CR >** EW EX



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.



## Population

This species is suffering decline in known populations.

**Current Population Trend:** Decreasing

## Habitat and Ecology (see Appendix for additional information)

This ground-dwelling species is found in montane canary island vegetation under rocks, in crevices and feeds on lichens.

**Systems:** Terrestrial

## Use and Trade

This species is not used.

## Threats (see Appendix for additional information)

One of the major threats is the overgrazing and trampling by goats which is leading to habitat destruction. Tourism is also of concern, as the jeep and walking tours take place over this peninsular. Future threats include tourist developments including hotel construction and road linkages, but these developments have not yet commenced.

## Conservation Actions (see Appendix for additional information)

This species is listed as Endangered in the Spanish National Red List (Verdu and Galante 2009), but there is no legal protection for this species. Conservation of the habitat and control of goats are proposed actions to conserve the species. There is also a need to limit recreational use by tourists to special paths and maintain non-access areas.

## Credits

**Assessor(s):** Groh, K. & Alonso, R.

**Reviewer(s):** Neubert, E., Seddon, M.B. & Cuttelod, A.

## Bibliography

IUCN. 2011. IUCN Red List of Threatened Species (ver. 2011.1). Available at: <http://www.iucnredlist.org>. (Accessed: 16 June 2011).

Verdú, J. and Galante, E. 2009. *Atlas de los Invertebrados Amenazados de España (Especies en peligro crítico y en peligro)*. Direccion General para la Biodiversidad, Ministerio de Medio Ambiente, Madrid.

## Citation

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## External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

# Appendix

## Habitats

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

| Habitat                                                       | Season | Suitability | Major Importance? |
|---------------------------------------------------------------|--------|-------------|-------------------|
| 3. Shrubland -> 3.4. Shrubland - Temperate                    | -      | Suitable    | Yes               |
| 0. Root -> 6. Rocky areas (eg. inland cliffs, mountain peaks) | -      | Suitable    | Yes               |

## Threats

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

| Threat                                                                                                                           | Timing    | Scope                                                                                                                                                                                                         | Severity                   | Impact Score     |
|----------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------|
| 1. Residential & commercial development -> 1.3. Tourism & recreation areas                                                       | Future    | Majority (50-90%)                                                                                                                                                                                             | Rapid declines             | Low impact: 5    |
|                                                                                                                                  | Stresses: | 1. Ecosystem stresses -> 1.1. Ecosystem conversion<br>2. Species Stresses -> 2.1. Species mortality                                                                                                           |                            |                  |
| 4. Transportation & service corridors -> 4.1. Roads & railroads                                                                  | Future    | Minority (50%)                                                                                                                                                                                                | Rapid declines             | Low impact: 4    |
|                                                                                                                                  | Stresses: | 1. Ecosystem stresses -> 1.1. Ecosystem conversion<br>1. Ecosystem stresses -> 1.2. Ecosystem degradation<br>2. Species Stresses -> 2.1. Species mortality<br>2. Species Stresses -> 2.2. Species disturbance |                            |                  |
| 6. Human intrusions & disturbance -> 6.1. Recreational activities                                                                | Ongoing   | Majority (50-90%)                                                                                                                                                                                             | Slow, significant declines | Medium impact: 6 |
|                                                                                                                                  | Stresses: | 1. Ecosystem stresses -> 1.2. Ecosystem degradation<br>2. Species Stresses -> 2.2. Species disturbance                                                                                                        |                            |                  |
| 8. Invasive & other problematic species & genes -> 8.1. Invasive non-native/alien species -> 8.1.2. Named species (Capra hircus) | Ongoing   | Majority (50-90%)                                                                                                                                                                                             | Slow, significant declines | Medium impact: 6 |
|                                                                                                                                  | Stresses: | 1. Ecosystem stresses -> 1.2. Ecosystem degradation<br>2. Species Stresses -> 2.2. Species disturbance                                                                                                        |                            |                  |

## Conservation Actions Needed

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

| Conservation Actions Needed                                           |
|-----------------------------------------------------------------------|
| 1. Land/water protection -> 1.1. Site/area protection                 |
| 2. Land/water management -> 2.2. Invasive/problematic species control |

## Research Needed

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

|                                      |
|--------------------------------------|
| <b>Research Needed</b>               |
| 3. Monitoring -> 3.4. Habitat trends |

## Additional Data Fields

|                                                                   |
|-------------------------------------------------------------------|
| <b>Distribution</b>                                               |
| Estimated area of occupancy (AOO) (km <sup>2</sup> ): 8           |
| Number of Locations: 1                                            |
| Lower elevation limit (m): 250                                    |
| Upper elevation limit (m): 807                                    |
| <b>Population</b>                                                 |
| Population severely fragmented: No                                |
| <b>Habitats and Ecology</b>                                       |
| Continuing decline in area, extent and/or quality of habitat: Yes |

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