

Plutonia solemi

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Vitrinidae

Taxon Name: *Plutonia solemi* Ibañez & Alonso, 2001

Taxonomic Notes:

The family Vitrinidae in the Canary Islands have been treated by Valido *et al.* (1999). This species was mentioned by Valido *et al.* (1999) as *Plutonia* sp.

Assessment Information

Red List Category & Criteria: Least Concern [ver 3.1](#)

Year Published: 2013

Date Assessed: September 29, 2010

Justification:

This species is endemic to La Palma, where it is widespread in the northern part of the island.. It is not facing any major threats and hence considered to be Least Concern (LC).

Geographic Range

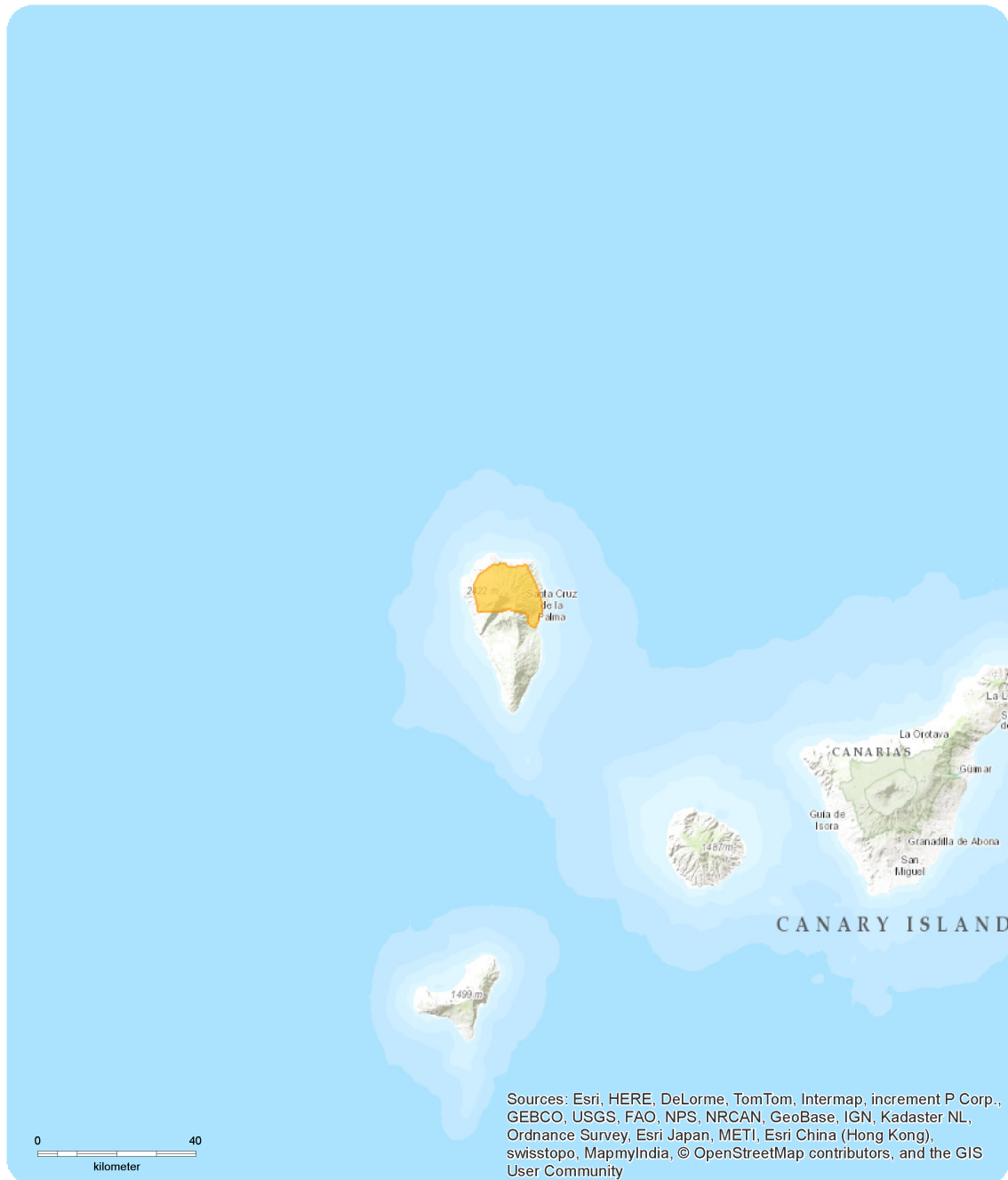
Range Description:

This species is endemic to the Canary Islands, where it is found on La Palma, and widespread in northern part of the island.

Country Occurrence:

Native: Spain (Canary Is.)

Distribution Map



Plutonia solemi

Range

■ Extant (resident)

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NE DD LC > NT VU EN CR EW EX
LEAST CONCERN



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



Population

The size and trend within the subpopulations are stable.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

This species lives in Laurel forests (Laurisilva) and Fayal-Brezal.

Systems: Terrestrial

Use and Trade

This species is not used.

Threats (see Appendix for additional information)

Wild fires and expansion of housing, road constructions and change of land use are the main threats to this species.

Conservation Actions (see Appendix for additional information)

There are no conservation measures; only a few subpopulations are situated in protected areas. Protection of the habitat of this species is requested. Valido *et al.* (1999) considered this species as LR/lc (low risk).

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).

Valido, M.J., Ibanez, M. and Alonso, M.R. 1999. Estado de conservación de los vitrinidos canarios (Gastropoda, Pulmonata: Vitrinidae). *Revista de la Academia Canaria de las Ciencias* 11(3-4): 245-264.

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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?
1. Forest -> 1.4. Forest - Temperate	-	Suitable	Yes

Threats

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

Threat	Timing	Scope	Severity	Impact Score
1. Residential & commercial development -> 1.1. Housing & urban areas	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.4. Scale Unknown/Unrecorded	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
4. Transportation & service corridors -> 4.1. Roads & railroads	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

Conservation Actions Needed

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

Conservation Actions Needed
1. Land/water protection -> 1.1. Site/area protection

Additional Data Fields

Distribution
Estimated extent of occurrence (EOO) (km ²): 235
Number of Locations: 15
Lower elevation limit (m): 75
Upper elevation limit (m): 1800
Population
Population severely fragmented: No

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