

***Puffinus lherminieri* (Audubon's Shearwater)**

European Red List of Birds

Supplementary Material

The European Union (EU27) Red List assessments were based principally on the official data reported by EU Member States to the European Commission under Article 12 of the Birds Directive in 2013-14. For the European Red List assessments, similar data were sourced from BirdLife Partners and other collaborating experts in other European countries and territories. For more information, see BirdLife International (2015).

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Recommended citation

BirdLife International (2015) European Red List of Birds. Luxembourg: Office for Official Publications of the European Communities.

Further information

<http://www.birdlife.org/datazone/info/euroredlist>

<http://www.birdlife.org/europe-and-central-asia/european-red-list-birds-0>

<http://www.iucnredlist.org/initiatives/europe>

<http://ec.europa.eu/environment/nature/conservation/species/redlist/>

Data requests and feedback

To request access to these data in electronic format, provide new information, correct any errors or provide feedback, please email science@birdlife.org.

Puffinus lherminieri (Audubon's Shearwater)

Table 1. Reported national breeding population size and trends in Europe¹.

Country (or territory) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (pairs) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
PT: Azores	895-1,741	38	1996-2004	medium	?				?				P. h. baroli
PT: Madeira	1,642	50	2012	good	-		2001-2012	good	0	0	1980-2012	medium	P. h. baroli
ES: Canary Is	400	12	1997-2003	medium	-		2001-2012	poor	-		1980-2012	poor	P. h. baroli
EU27	2,900-3,800	100			Decreasing								
Europe	2,900-3,800	100			Decreasing								

¹ See 'Sources' at end of factsheet, and for more details on individual EU Member State reports, see the Article 12 reporting portal at <http://bd.eionet.europa.eu/article12/report>.

² The designation of geographical entities and the presentation of the material do not imply the expression of any opinion whatsoever on the part of IUCN or BirdLife International concerning the legal status of any country, territory or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

³ In the few cases where population size estimates were reported in units other than those specified, they were converted to the correct units using standard correction factors.

⁴ The robustness of regional trends to the effects of any missing or incomplete data was tested using plausible scenarios, based on other sources of information, including any other reported information, recent national Red Lists, scientific literature, other publications and consultation with relevant experts.

⁵ Trend directions are reported as: increasing (+); decreasing (-); stable (0); fluctuating (F); or unknown (?).

⁶ Trend magnitudes are rounded to the nearest integer.

Trend maps

A symbol appears in each country where the species occurs: the shape and colour of the symbol represent the population trend in that country, and the size of the symbol corresponds to the proportion of the European population occurring in that country.

KEY

- | | |
|---|----------------------------------|
| ↑ Large increase ($\geq 50\%$) | ↓ Large decrease ($\geq 50\%$) |
| ↑ Moderate increase (20–49%) | ↓ Moderate decrease (20–49%) |
| ↑ Small increase ($< 20\%$) | ↓ Small decrease ($< 20\%$) |
| ↑ Increase of unknown magnitude | ↓ Decrease of unknown magnitude |
| ■ Stable or fluctuating | |
| □ Unknown | |
| ○ Present (no population or trend data) | |
| × Extinct since 1980 | |

Each symbol, with the exception of Present and Extinct, may occur in up to three different size classes, corresponding to the proportion of the European population occurring in that country.

- ↑ Large: $\geq 10\%$ of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small: $< 1\%$ of the European population

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Figure 1. Breeding population sizes and short-term trends across Europe.

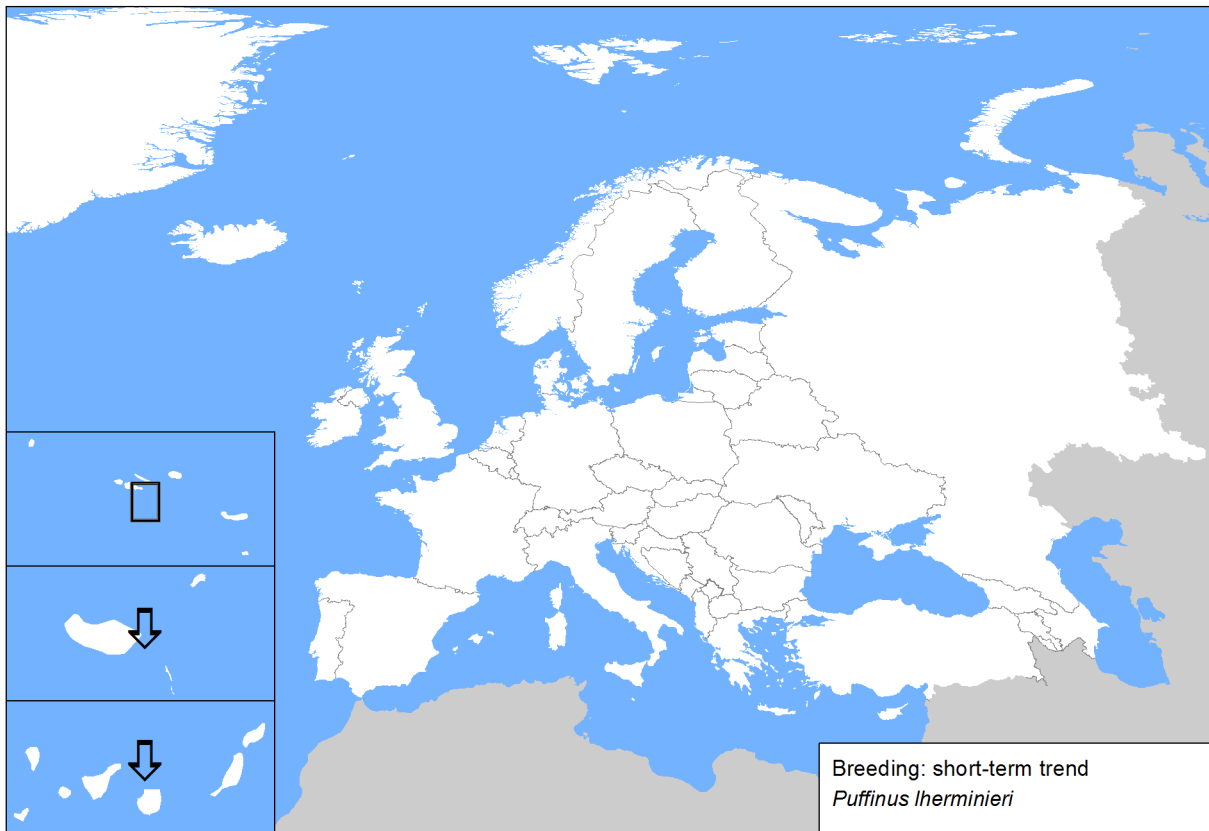


Figure 2. Breeding population sizes and long-term trends across Europe.



Puffinus lherminieri (Audubon's Shearwater)

Sources

PT: Azores: *P. h. baroli*

Breeding population size: Almeida J (Coord.), Catry P, Encarnação V, Franco C, Granadeiro JP, Lopes R, Moreira F, Oliveira P, Onofre N, Pacheco C, Pinto M, Pitta Groz MJ, Ramos J, Silva L (2005). *Puffinus assimilis* Frulho Pp 157-158 In Livro Vermelho dos Vertebrados de Portugal (Cabral MJ, Almeida J, Almeida PR, Dellinger T, Ferrand de almeida N, Oliveira ME, Palmeirim JM, Queiroz AL, Rogado L & Santos - Reis M (eds.)). Instituto da Conservação da Natureza. Lisboa. Neves VC (2008). *Puffinus assimilis*. In Equipa Atlas (eds.): Atlas das Aves Nidificantes em Portugal (1999-2005). Pp. 122 & 123. Instituto da Conservação da Natureza e Biodiversidade, Sociedade Portuguesa para o Estudo das Aves, Parque Natural da Madeira Secretaria Regional do Ambiente e do Mar. Assírio & Alvim, Lisboa. Monteiro LR, Ramos JÁ, Pereira JC, Monteiro PR, Feio RS, Thompson DR, Bearhop S, Furness RW, Laranjo M, Hilton G, Neves VC, Groz MP and Thompson KR. (1999). Status and Distribution of Fea's Petrel, Bulwer's Petrel, Manx Shearwater, Little Shearwater, and Band-Rumped Storm Petrel in the Azores Archipelago. *Waterbirds* 22: 358-366.

Breeding short-term trend: Almeida J (Coord.), Catry P, Encarnação V, Franco C, Granadeiro JP, Lopes R, Moreira F, Oliveira P, Onofre N, Pacheco C, Pinto M, Pitta Groz MJ, Ramos J, Silva L (2005). *Puffinus assimilis* Frulho Pp 157-158 In Livro Vermelho dos Vertebrados de Portugal (Cabral MJ, Almeida J, Almeida PR, Dellinger T, Ferrand de almeida N, Oliveira ME, Palmeirim JM, Queiroz AL, Rogado L & Santos - Reis M (eds.)). Instituto da Conservação da Natureza. Lisboa. Neves VC (2008). *Puffinus assimilis*. In Equipa Atlas (eds.): Atlas das Aves Nidificantes em Portugal (1999-2005). Pp. 122 & 123. Instituto da Conservação da Natureza e Biodiversidade, Sociedade Portuguesa para o Estudo das Aves, Parque Natural da Madeira Secretaria Regional do Ambiente e do Mar. Assírio & Alvim, Lisboa. Monteiro LR, Ramos JÁ, Pereira JC, Monteiro PR, Feio RS, Thompson DR, Bearhop S, Furness RW, Laranjo M, Hilton G, Neves VC, Groz MP and Thompson KR. (1999). Status and Distribution of Fea's Petrel, Bulwer's Petrel, Manx Shearwater, Little Shearwater, and Band-Rumped Storm Petrel in the Azores Archipelago. *Waterbirds* 22: 358-366.

PT: Madeira: *P. h. baroli*

Breeding population size: Ramos, U. 2013. Reproductive biology of an endangered seabird species, the Macaronesian Shearwater *Puffinus baroli baroli*. Tese de mestrado em Ecologia. Faculdade de Ciências da Universidade de Coimbra (não publicado)

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Breeding long-term trend: Oliveira, P. & Moniz, P. 1995. Breeding Chronology of the Little shearwater *Puffinus assimilis* in Selvagem Grande. Proc. Of the 5th Internacional Seabird Group Conference. Glasgow Oliveira, P. & Menezes, D. 2004. Aves do Arquipélago da Madeira. Serviço do Parque Natural da Madeira

ES: Canary Is: *P. h. baroli*

Breeding population size: Martín, A. & J. A. Lorenzo. 2001. Aves del Archipiélago Canario. Francisco Lemus Editor. La Laguna. 787 pp. Lorenzo, J.A. 2007 (ed). Atlas de las Aves Nidificantes en el Archipiélago Canario (1997-2003). Dirección General de Conservación de la Naturaleza-Sociedad Española de Ornitología. Madrid. 520 pp.

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