

## ***Tadorna ferruginea* (Ruddy Shelduck)**

### **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](mailto:science@birdlife.org).

*Tadorna ferruginea* (Ruddy Shelduck)

**Table 1.** Reported national breeding population size and trends in Europe<sup>1</sup>.

Country (or territory) <sup>2</sup>	Population estimate				Short-term population trend <sup>4</sup>				Long-term population trend <sup>4</sup>				Subspecific population (where relevant)
	Size (pairs) <sup>3</sup>	Europe (%)	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	
Albania	0	<1	2002-2012		?				-	80-100	1980-2012	poor	
Armenia	250-600	2	2002-2012	medium	?				?				
Azerbaijan	500-1,500	4	2014	poor	+		2000-2014	poor	+		1980-2014	poor	
Bulgaria	40-80	<1	2005-2012	poor	-	10-20	2001-2012	medium	-	50-60	1980-2012	medium	East Mediterranean & Black Sea/North-east Africa
Georgia	Present	<1			?				?				
Greece	60-80	<1	2009	good	+	50-100	2001-2009	poor	+	10-170	1980-2009	medium	East Mediterranean & Black Sea/North-east Africa
Moldova	0-3	<1	2001-2012	medium	+	5-10	2000-2010	medium	+	5-10	1980-2012	medium	
Romania	40-70	<1	2008-2013	medium	-	0-19	2000-2012	poor	-	0-19	1980-2012	poor	East Mediterranean & Black Sea/North-east Africa
Russia	6,000-9,000	35	2008-2011	medium	?				?				
ES: Canary Is	2-9	<1	2006-2008	medium	+		2001-2012	medium	+		1994-2012	poor	North-west Africa
Turkey	10,000-15,000	58	2013	poor	0	0	2000-2012	poor	-	0-19	1990-2013	poor	
Ukraine	80-190	1	2000	medium	-	10-15	2001-2012	medium	F	15-25	1980-2012	medium	
<b>EU27</b>	<b>140-240</b>	<b>1</b>			<b>Increasing</b>								
<b>Europe</b>	<b>17,000-26,500</b>	<b>100</b>			<b>Uncertain</b>								

<sup>1</sup> 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>.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

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

<sup>6</sup> Trend magnitudes are rounded to the nearest integer.

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**Table 2.** Reported national wintering population sizes and trends in Europe<sup>1</sup>. Note that some countries within the species' wintering range did not report any data, and that only minimum totals are presented, to avoid double-counting of birds moving between countries.

Country (or territory) <sup>2</sup>	Population estimate				Short-term population trend <sup>4</sup>				Long-term population trend <sup>4</sup>				Subspecific population (where relevant)
	Size (individuals) <sup>3</sup>	Europe (%)	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	
Armenia	5-23	<1	2002-2013	good	?				?				
Azerbaijan	20,000-50,000	81	2014	medium	+		2000-2014	medium	+		1980-2014	medium	
Bulgaria	10-50	<1	2005-2012	medium	F	0	2001-2012	poor	F	0	1980-2012	poor	
Cyprus	0-40	<1	2008-2012	good	-	5-50	2001-2012	medium	+	5-100	1980-2012	medium	
Turkey	4,038-13,940	19	2002-2012	good	F	0	2002-2012	poor	?				
Ukraine	50-250	<1	1998-2009	medium	-	10-15	1998-2009	medium	F	15-25	1980-2009	medium	
<b>EU27</b>	<b>10-90</b>	<b>&lt;1</b>			<b>Fluctuating</b>								
<b>Europe</b>	<b>24,100-64,300</b>	<b>100</b>			<b>Increasing</b>								

<sup>1</sup> 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>.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

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

<sup>6</sup> 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

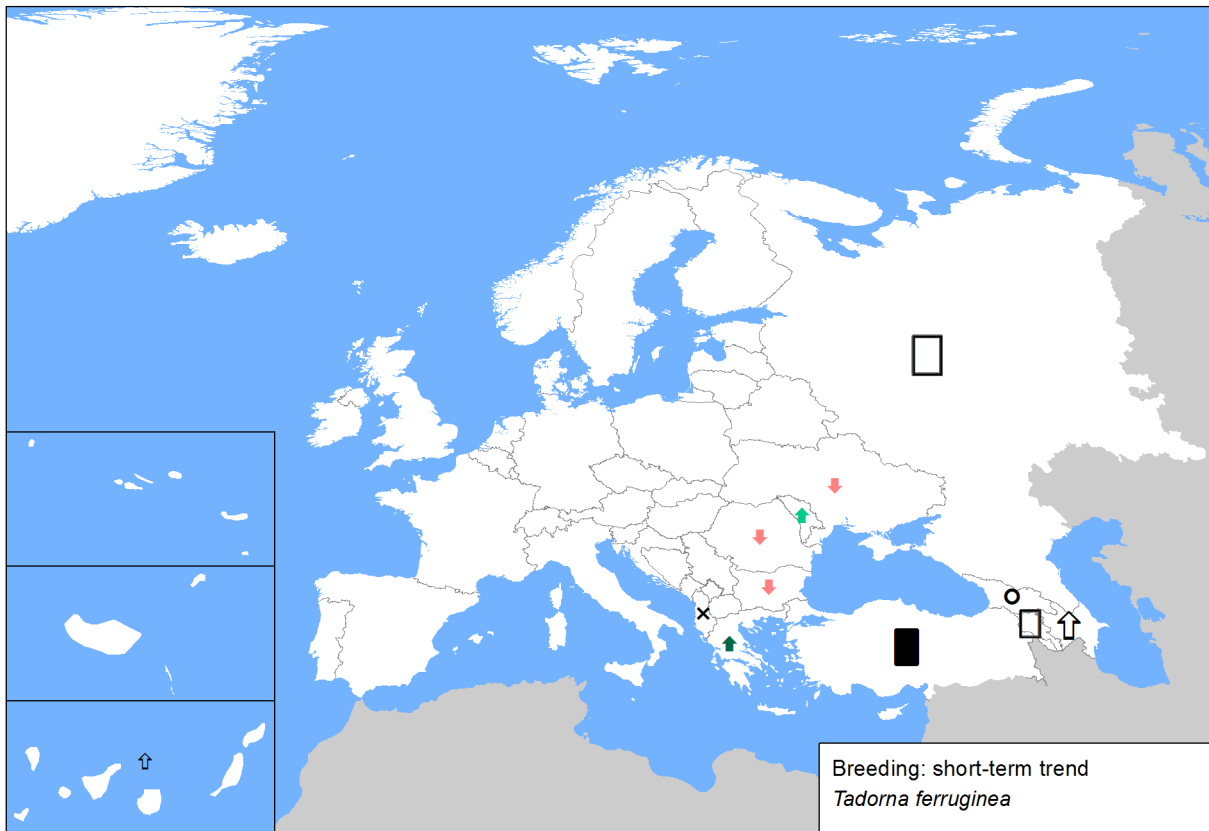
- |   |                                  |
|---|----------------------------------|
| ↑ Large increase ( $\geq 50\%$ )        | ↓ Large decrease ( $\geq 50\%$ ) |
| ↑ Moderate increase (20–49%)            | ↓ Moderate decrease (20–49%)     |
| ↑ Small increase ( $< 20\%$ )           | ↓ Small decrease ( $< 20\%$ )    |
| ↑ 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.

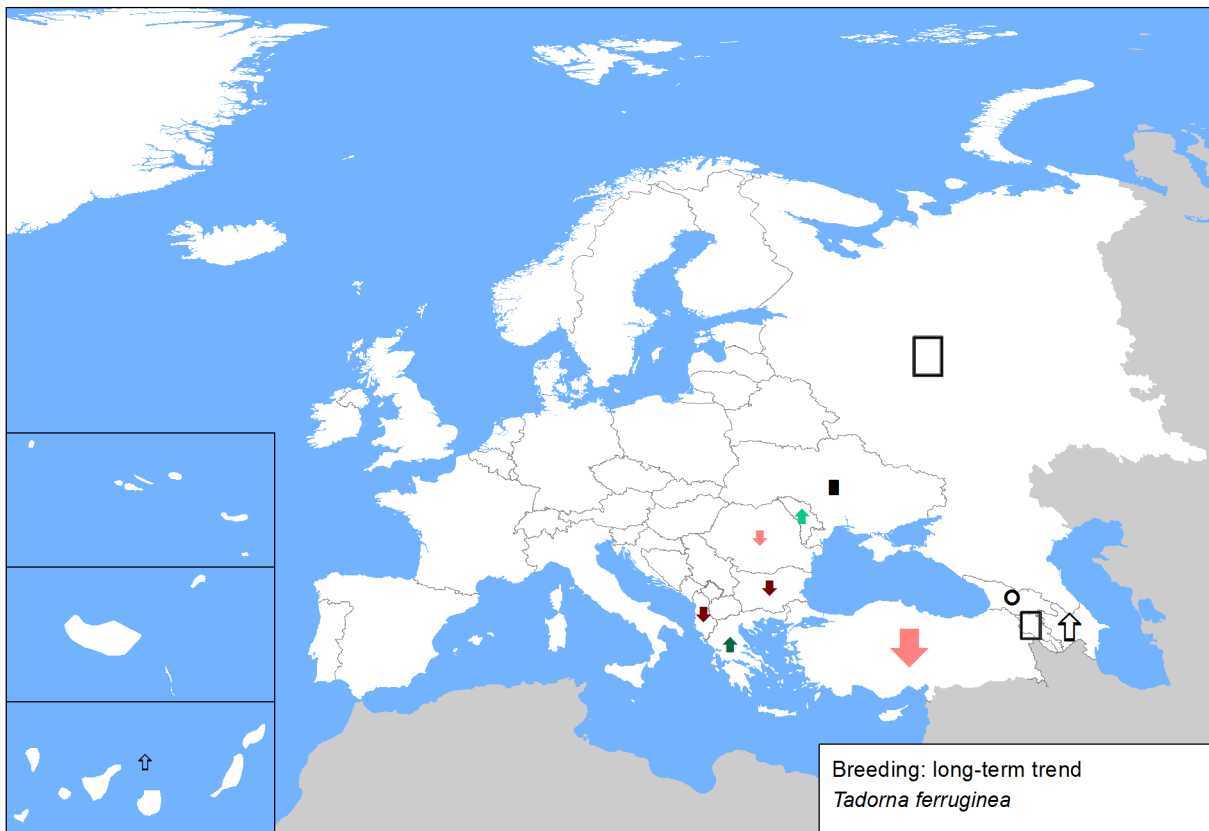
- ↑ Large:  $\geq 10\%$  of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small:  $< 1\%$  of the European population

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.

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



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



**Figure 3.** Reported wintering population sizes and short-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



**Figure 4.** Reported wintering population sizes and long-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



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## Sources

### Albania

<b>Breeding population size:</b> Bino pers. obs.
<b>Breeding long-term trend:</b> Hallman pers. obs. Bino pers. obs.

### Armenia

<b>Breeding population size:</b> The Red Book of Animals of the Republic of Armenia, 2010. Second edition
<b>Winter population size:</b> ASPB IWC counts

### Azerbaijan

<b>Breeding population size:</b> AOS data base
<b>Breeding short-term trend:</b> AOS data base
<b>Breeding long-term trend:</b> AOS data base
<b>Winter population size:</b> AOS data base
<b>Winter short-term trend:</b> AOS data base
<b>Winter long-term trend:</b> AOS data base

### Bulgaria: East Mediterranean & Black Sea/North-east Africa

<b>Breeding population size:</b> Ilieva, M., Zehindjiev, P., Kutsarov, I., Georgiev, D.. 2007. <i>Tadorna ferruginea</i> . In: Iankov, P. (Ed.) Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds Conservation series, Book 10, BSPB, Sofia. Nankinov, D. et al. Breeding totals of the ornithofauna in Bulgaria. Green Balkans, Plovdiv, 2004. Zehindjiev, P., Bogdanova, M., Bedev, K. Red Data Book of the Republic of Bulgaria. Vol. 2, Animals.
<b>Breeding short-term trend:</b> Ilieva, M., Zehindjiev, P., Kutsarov, I., Georgiev, D.. 2007. <i>Tadorna ferruginea</i> . In: Iankov, P. (Ed.) Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds Conservation series, Book 10, BSPB, Sofia. Nankinov, D. et al. Breeding totals of the ornithofauna in Bulgaria. Green Balkans, Plovdiv, 2004. Zehindjiev, P., Bogdanova, M., Bedev, K. Red Data Book of the Republic of Bulgaria. Vol. 2, Animals.
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<b>Winter population size:</b> Ilieva, M., Zehindjiev, P., Kutsarov, I., Georgiev, D.. 2007. <i>Tadorna ferruginea</i> . In: Iankov, P. (Ed.) Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds Conservation series, Book 10, BSPB, Sofia. Nankinov, D. et al. Breeding totals of the ornithofauna in Bulgaria. Green Balkans, Plovdiv, 2004. Zehindjiev, P., Bogdanova, M., Bedev, K. Book of the Republic of Bulgaria. Vol. 2, Animals.
<b>Winter short-term trend:</b> Ilieva, M., Zehindjiev, P., Kutsarov, I., Georgiev, D.. 2007. <i>Tadorna ferruginea</i> . In: Iankov, P. (Ed.) Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds Conservation series, Book 10, BSPB, Sofia. Nankinov, D. et al. Breeding totals of the ornithofauna in Bulgaria. Green Balkans, Plovdiv, 2004. Zehindjiev, P., Bogdanova, M., Bedev, K. Book of the Republic of Bulgaria. Vol. 2, Animals.
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### Cyprus: East Mediterranean & Black Sea/North-east Africa

<b>Winter population size:</b> Monthly waterbird counts (maxima from Dec, Jan and Feb counts) by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service
<b>Winter short-term trend:</b> For the period 2005-12, based on systematic monthly waterbird counts (maxima from Dec, Jan and Feb counts) by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service. For the period 2001-2004, based on birdwatching records as reported in BirdLife Cyprus annual reports (which included annual January waterbirds counts records)
<b>Winter long-term trend:</b> For the period 2005-12, based on systematic monthly waterbird counts (maxima from Dec, Jan and Feb counts) by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service. For the period 1980-2004, based on birdwatching records as reported in BirdLife Cyprus annual reports (which included annual January waterbirds counts records)

### Georgia

<b>Breeding population size:</b> BirdLife International 2004
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### Greece: East Mediterranean & Black Sea/North-east Africa

<b>Breeding population size:</b> Portolou, D., Bourdakis, S., Vlachos, C., Kastritis, T., and Dimalexis, T. (eds.) 2009. Important Bird Areas of Greece: Priority sites for conservation. Hellenic Ornithological Society. Athens. Dimalexis, T., Bousbouras, D., Kastritis, T., Manolopoulos, A. & Saravia, V. (eds.) 2009. Evaluation of 69 Important Bird Areas as Special Protection Areas. Hellenic Ministry for the Environment, Physical Planning and Public Works, Athens. Hellenic Ornithological Society database. Handrinos, G., 2009. Ruddy Shelduck. In: Legakis, A. & P. Maragou (eds.). The Greek Red Data Book. Hellenic Zoological Society.
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<b>Breeding long-term trend:</b> Hallmann, B. 1982. Preliminary list of Important Bird Areas in Greece. ICBP/EC Working Group, Brussels

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<b>Breeding population size:</b> Munteanu A, Zubcov N., Atlasul păsărilor clocitoare din Republica Moldova, 2010, 100p.
<b>Breeding short-term trend:</b> Munteanu A, Zubcov N., Atlasul păsărilor clocitoare din Republica Moldova, 2010, 100p.

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### Moldova

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### Romania: East Mediterranean & Black Sea/North-east Africa

**Breeding population size:** SOR database

**Breeding short-term trend:** BirdLife International (2004) Birds in Europe: population estimates, trends and conservation status. Cambridge, UK Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus”

**Breeding long-term trend:** Munteanu D. (ed) 2002: Atlasul păsărilor clocitoare din România, ediția a II-a, Publicațiile Societății Ornitologice Române, nr. 16, Cluj-Napoca. Weber P. et al. 1994: Atlasul provizoriu al păsărilor clocitoare din România, Publicațiile Societății Ornitologice Române, nr. 2, Mediaș Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus” Victor Ciochia. Dinamica și migrația păsărilor. Ed. Științifică și Enciclopedică, București, 1985

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**Breeding short-term trend:** Doğa Derneği, Eken G., Bozdoğan M., İsfendiyaroğlu S., Kılıç D.T., Lise Y. (2006) Key Biodiversity Areas of Turkey (Türkiye'nin Önemli Doğa Alanları) Doğa Derneği, Ankara, KILIÇ, T., EKEN, G. 2004, Türkiye'nin Önemli Kuş Alanları Güncellemesi, Doğa Derneği. Ankara.

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**Winter short-term trend:** Doğa Derneği



## *Tadorna ferruginea* (Ruddy Shelduck)

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