

## *Podiceps nigricollis* (Black-necked Grebe)

### 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).

*Podiceps nigricollis* (Black-necked Grebe)

**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	5-25	<1	2002-2012	medium	0	0	2002-2012	medium	0	0	1980-2012	poor	
Austria	5-13	<1	2008-2012	good	-	40-70	2001-2012	good	-	80-95	1980-2012	good	P. n. nigricollis, Europe/South & West Europe & North Africa
Azerbaijan	250-500	1	1996-2002	poor	?				?				
Belarus	250-500	1	2001-2012	medium	F	10-50	2001-2012	medium	F	10-50	1980-2012	medium	
Belgium	159-239	<1	2008-2012	medium	0	0	2000-2012	medium	+	1888-7867	1973-2012	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Bosnia & HG	20-50	<1	2010-2014	poor	-	10-20	2001-2012	poor	-	30-50	1980-2013	poor	
Bulgaria	20-60	<1	2005-2012	medium	-	15-30	2000-2012	medium	-	40-50	1980-2012	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Croatia	25-50	<1	2010	medium	?				?				
Czech Rep.	300-600	1	2001-2012	good	?				-	90	1985-2012	good	P. n. nigricollis, Europe/South & West Europe & North Africa
Denmark	250	<1	2011	medium	0	0	1999-2011	medium	+	100-1000	1980-2011	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Estonia	0	<1	2008-2012	poor	?				?				P. n. nigricollis, Europe/South & West Europe & North Africa
France	1,500-2,000	3	2008	medium	0	0	2000-2007	medium	+	30-135	1985-2013	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Georgia	Present	<1			?				?				
Germany	1,800-2,900	4	2005-2009	good	0	0	1998-2008	medium	0	0	1985-2009	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Greece	40-60	<1	2008-2012	medium	?				?				P. n. nigricollis, Europe/South & West Europe & North Africa
Hungary	300-1,100	1	2008-2012	medium	F	0	2000-2012	medium	F	0	1980-2012	poor	P. n. nigricollis, Europe/South & West Europe & North Africa
Kosovo	0-2	<1	2009-2014	good	?				?				
Latvia	20-30	<1	2012	medium	?				-	0-60	1994-2012	poor	P. n. nigricollis, Europe/South & West Europe & North Africa
Lithuania	100-150	<1	2008-2012	medium	-	30-50	2001-2012	medium	-	10-20	1980-2012	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
FYRO Macedonia	20-200	<1	2001-2012	poor	?				?				
Moldova	0-10	<1	2000-2010	medium	-	5-10	2000-2010	medium	-	5-10	1980-2010	medium	
Montenegro	5-10	<1	2002-2012	good	0	0	2002-2012	good	?				
Netherlands	330-540	1	2008-2011	good	-	44-64	2002-2011	good	+	343-423	1983-2011	good	P. n. nigricollis, Europe/South & West Europe & North Africa

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	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	
Norway	0-1	<1	2007-2009	good	+	100	2000-2009	good	+	100	1980-2012	good	
Poland	1,200-2,400	3	2008-2012	medium	?				-	50-70	1980-2012	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Romania	2,000-4,000	5	2000-2013	medium	?				?				P. n. nigricollis, Europe/South & West Europe & North Africa
Russia	25,000-40,000	53	2000-2010	poor	?				0	0	1980-2012	medium	
Serbia	175-340	<1	2008-2012	medium	+	1-9	2000-2012	medium	+	10-29	1980-2012	medium	
Slovakia	50-100	<1	2012	medium	-	30-50	2000-2012	medium	-	40-60	1980-2012	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Slovenia	1-10	<1	2002-2012	medium	+	10-100	2001-2012	medium	+	10-100	1980-2012	medium	P. n. nigricollis, Europe/South & West Europe & North Africa
Spain	1,700-3,100	4	2007	good	+		1990-2003	medium	+		1980-2003	poor	P. n. nigricollis, Europe/South & West Europe & North Africa
Sweden	65-89	<1	2008-2012	good	+	15-35	2001-2012	good	+	600-1000	1980-2012	good	P. n. nigricollis, Europe/South & West Europe & North Africa
Switzerland	0-2	<1	2008-2012	good	0	0	2001-2012	medium	0	0	1990-2012	medium	
Turkey	800-1,600	2	2013	poor	-	0-19	2000-2012	medium	-	0-19	1990-2013	medium	
Ukraine	10,000-16,500	21	2000	medium	F	25-40	1998-2010	medium	F	20-60	1980-2010	medium	
United Kingdom	32-51	<1	2006-2010	good	-	17	1996-2008	good	+	206	1980-2008	good	P. n. nigricollis, Europe/South & West Europe & North Africa
<b>EU27</b>	<b>9,900-17,700</b>	<b>22</b>			<b>Uncertain</b>								
<b>Europe</b>	<b>46,400-77,500</b>	<b>100</b>			<b>Unknown</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.

*Podiceps nigricollis* (Black-necked Grebe)

**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	
Albania	300-3,000	1	2002-2012	good	0	0	2002-2012	good	-	10-20	1980-2012	poor	
Armenia	11-171	<1	2003-2013	good	?				?				
Azerbaijan	10,000-50,000	33	2014	medium	F	0	2000-2014	medium	F	0	1980-2014	medium	
Bosnia & HG	1-50	<1	2008-2013	medium	0	0	2000-2013	medium	?				
Bulgaria	550-1,300	1	2008-2012	medium	-	25-35	2000-2012	medium	-	5-15	1980-2012	medium	
Croatia	3,000	4	2010	poor	0	0	1998-2010	medium	?				
France	10,633	16	2008-2012	good	F	0	2000-2012	good	F	0	1980-2012	medium	
Germany	700	1	2000-2005	good	F	0	1997-2009	medium	+	31-400	1984-2009	medium	
Greece	1,400-4,778	4	2007-2013	medium	-	73	2004-2013	good	?			good	
Italy	7,919-10,527	13	2007-2009	good	-	35-45	2000-2009	good	F	0-45	1991-2009	good	
Kosovo	20-35	<1	2009-2014		?				?				
FYRO Macedonia	150-5,500	1	2002-2012	good	F	0	2002-2012	good	-	10-30	1980-2012	good	
Montenegro	400-3,800	2	2003-2012	good	-		2003-2012	good	-		1991-2012	good	
Netherlands	663-1,671	2	2006-2010	good	+	108-172	2000-2011	good	+	635-1429	1981-2011	good	
Portugal	100-200	<1	2008-2012	medium	+	75-150	2001-2012	medium	+		1980-2012	medium	
Romania	500-2,000	1	2008-2013	medium	0	0	2000-2013	medium	?				
Serbia	10-100	<1	2008-2012	medium	?				?				
Spain	2,017-8,917	6	1990-2009	good	-	52	2000-2010	good	+	11	1980-2009	good	
Switzerland	3,045-4,560	5	2008-2012	good	+	160-171	2001-2012	good	+	45-49	1980-2012	good	
Turkey	912-10,517	5	2002-2012	good	F	0	2002-2012	poor	?				
Ukraine	1,500-3,000	3	2000	medium	F	15-30	1998-2009	medium	F	20-30	1980-2009	medium	
<b>EU27</b>	<b>24,500-40,700</b>	<b>43</b>			<b>Decreasing</b>								
<b>Europe</b>	<b>43,800-124,000</b>	<b>100</b>			<b>Fluctuating</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>.

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<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

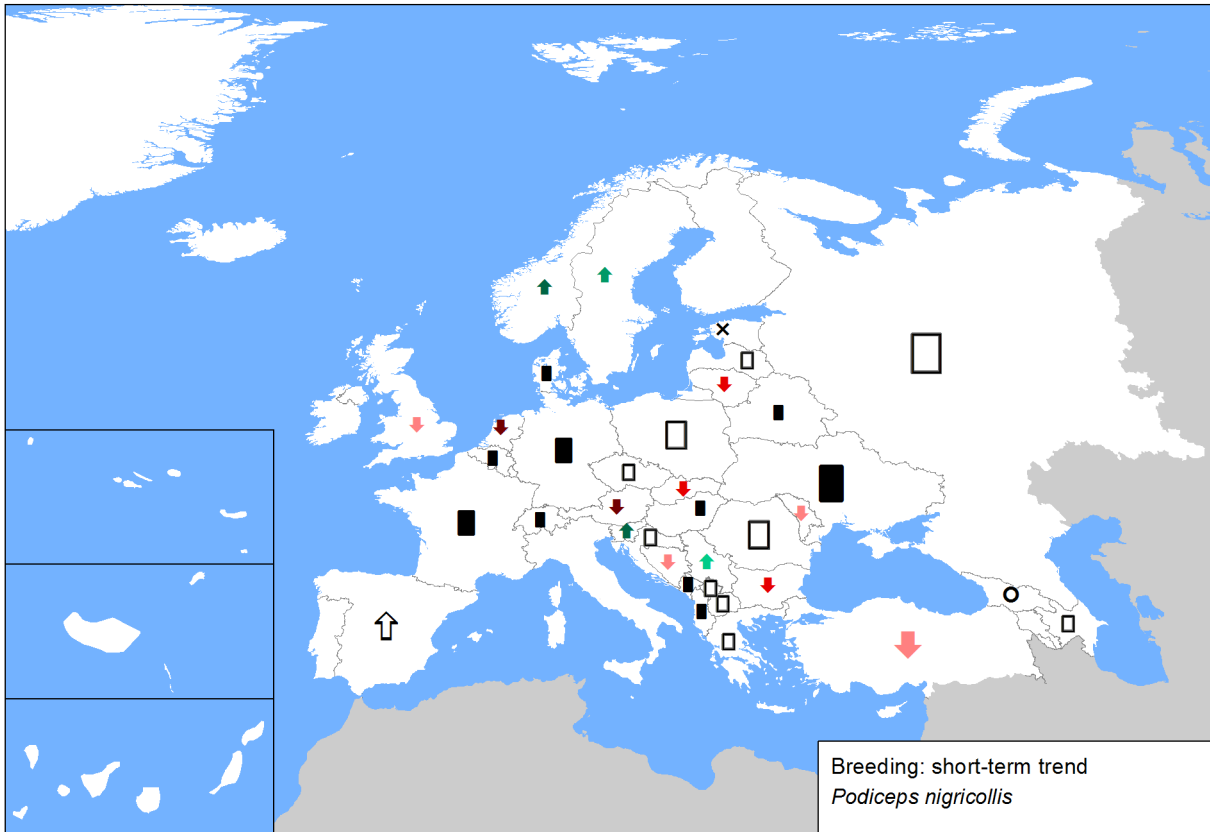
- |   |                                  |
|---|----------------------------------|
| ↑ Large increase ( $\geq 50\%$ )        | ↓ Large decrease ( $\geq 50\%$ ) |
| ↑ Moderate increase (20–49%)            | ↓ Moderate decrease (20–49%)     |
| ↑ Small increase ( $< 20\%$ )           | ↓ Small decrease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

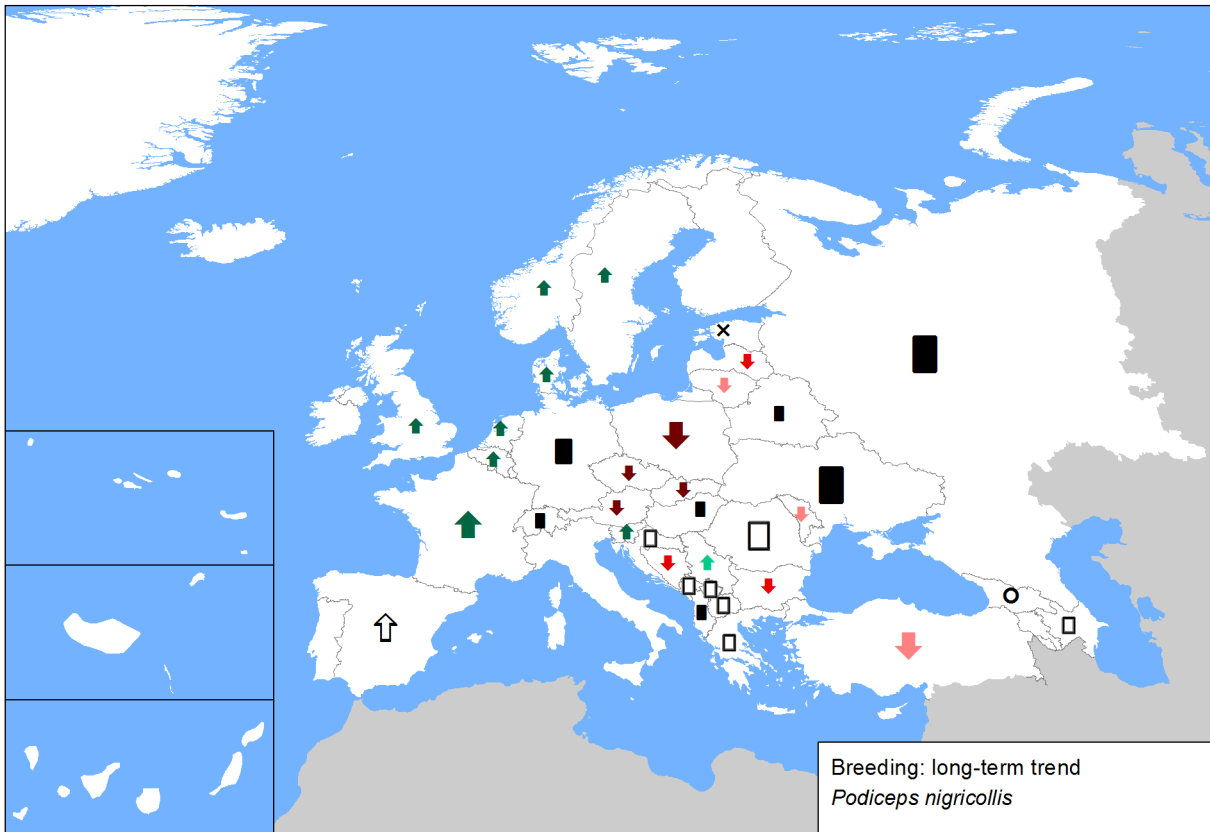
- ↑ Large:  $\geq 10\%$  of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small:  $< 1\%$  of the European population

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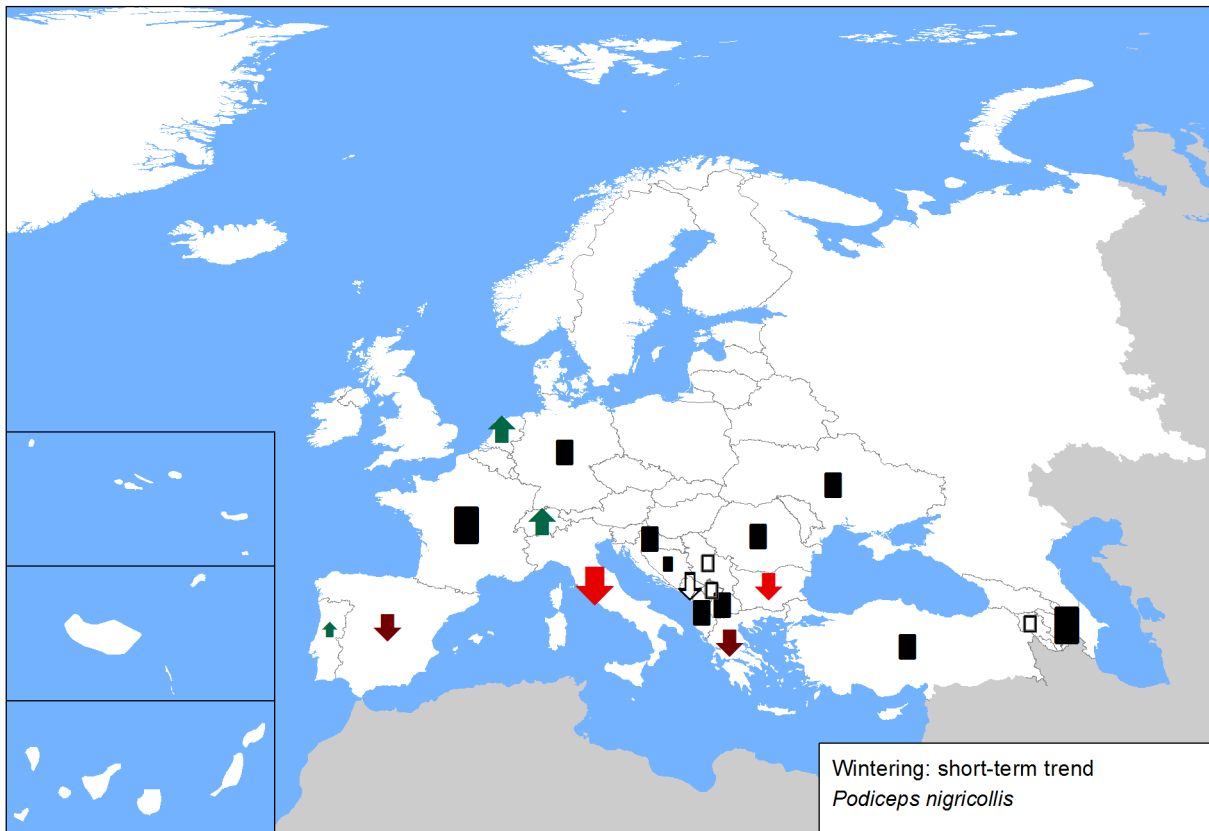
**Figure 1.** Breeding population sizes and short-term trends across Europe.



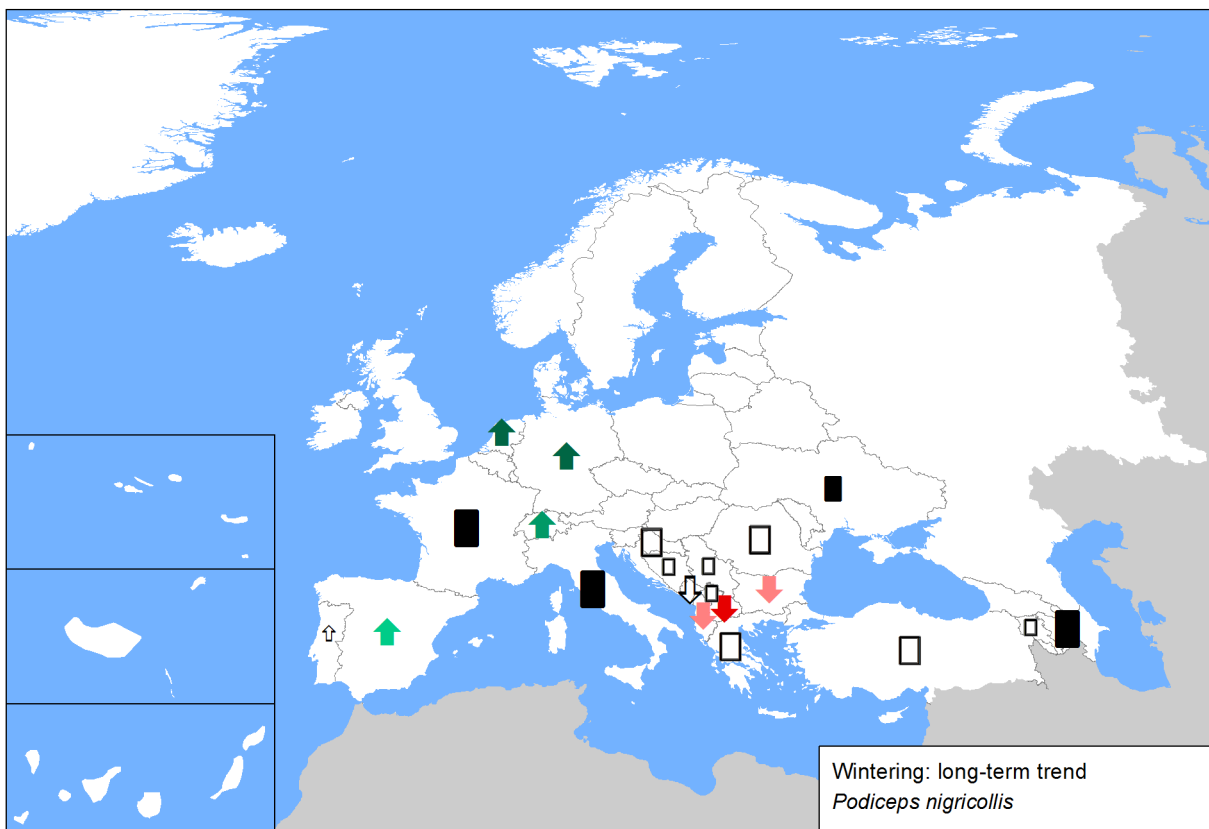
**Figure 2.** Breeding population sizes and long-term trends across Europe.



**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.



*Podiceps nigricollis* (Black-necked Grebe)

## Sources

### Albania

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

### Armenia

<b>Winter population size:</b> ASPB IWC counts
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### Austria: *P. n. nigricollis*, Europe/South & West Europe & North Africa

<b>Breeding population size:</b> BirdLife Austria, estimate on the basis of available unpublished and published population data
<b>Breeding short-term trend:</b> BirdLife Austria, estimate on the basis of available unpublished and published trend data
<b>Breeding long-term trend:</b> BirdLife Austria, estimate on the basis of available unpublished and published trend data

### Azerbaijan

<b>Breeding population size:</b> BirdLife International 2004
<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

### Belarus

<b>Breeding population size:</b> Kozulin A.V. - personal communication
<b>Breeding short-term trend:</b> Kozulin A.V. - personal communication
<b>Breeding long-term trend:</b> Nikiforov M.E., Kozulin A.V., eds. Belarussian birds at the beginning of XXI century: status, numbers, distribution. - 1997. - Minsk. - 187 p.

### Belgium: *P. n. nigricollis*, Europe/South & West Europe & North Africa

<b>Breeding population size:</b> Database Rare and less common Breeding Birds, INBO (coord. A.Anselin), selected data Waarnemingen.be, compilation of data and enquiries in ornithological community
<b>Breeding short-term trend:</b> Rare bird panel
<b>Breeding long-term trend:</b> Comparison between 2008-2012 estimate and Devillers, 1989 (Atlas of the Belgian Breeding Bird) population estimate

### Bosnia and Herzegovina

<b>Breeding population size:</b> unpublsh data
<b>Breeding short-term trend:</b> unpublsh data
<b>Breeding long-term trend:</b> unpublsh data
<b>Winter population size:</b> Kotrošan, D., Dervović, I., 2010: Rezultati zimskog brojanja ptica močvarica u Bosni i Hercegovini za period od 2008. do 2010. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 6(6): 23-45., Dervović, I. & Kotrošan, D., 2011/2012: Rezultati zimskog brojanja ptica močvarica u Bosni i Hercegovini u 2011. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 44-55., Topić, G. & Kotrošan, D., 2011/2012: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2012. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 56-73., Topić, G., 2013: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2013. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 14-40.
<b>Winter short-term trend:</b> Dervović, I. 2005: Rezultati januarskog brojanja vodenih ptica 1998-2005. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 1(1): 43-45. Dervović, I. 2006: Rezultati zimskog prebrojavanja ptica močvarica u Bosni i Hercegovini u 2006. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 2(2): 20-22. Dervović, I. 2007: Izvještaj o januarskom prebrojavanju vodenih ptica u 2007. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 3(3): 47. Kotrošan, D., Dervović, I., 2010: Rezultati zimskog brojanja ptica močvarica u Bosni i Hercegovini za period od 2008. do 2010. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 6(6): 23-45., Dervović, I. & Kotrošan, D., 2011/2012: Rezultati zimskog brojanja ptica močvarica u Bosni i Hercegovini u 2011. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 44-55., Topić, G. & Kotrošan, D., 2011/2012: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2012. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 56-73., Topić, G., 2013: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2013. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 14-40.

### Bulgaria: *P. n. nigricollis*, Europe/South & West Europe & North Africa

<b>Breeding population size:</b> Iankov, P. (ed.) 2007 Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 679 p. BSPB Bird Database Ivanov, B. 2011. Fauna of Bulgaria, Vol. 30, Aves, part III, Sofia, BAS, 409 p. (in Bulgarian with English Summary)
<b>Breeding short-term trend:</b> Iankov, P. (ed.) 2007 Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 679 p. BSPB Bird Database Ivanov, B. 2011. Fauna of Bulgaria, Vol. 30, Aves, part III, Sofia, BAS, 409 p. (in Bulgarian with English Summary)
<b>Breeding long-term trend:</b> Iankov, P. (ed.) 2007 Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 679 p. BSPB Bird Database Ivanov, B. 2011. Fauna of Bulgaria, Vol. 30, Aves, part III, Sofia, BAS, 409 p. (in Bulgarian with English Summary)
<b>Winter population size:</b> BSPB Bird Database
<b>Winter short-term trend:</b> Michev, T., Profirov, L. 2003. Mid-winter numbers of waterbirds in Bulgaria. Pensoft. Sofia-Moscow. Kostadinova, I. Dereliev, S. 2001. Results from the mid-winter counts of waterbirds in Bulgaria for the period 1997-2001. Bulgarian Society for the protection of Birds. Sofia BSPB Bird Database



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**Bulgaria: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Winter long-term trend:** Michev, T., Profirov, L. 2003. Mid-winter numbers of waterbirds in Bulgaria. Pensoft. Sofia-Moscow. Kostadinova, I. Dereliev, S. 2001. Results from the mid-winter counts of waterbirds in Bulgaria for the period 1997-2001. Bulgarian Society for the protection of Birds. Sofia BSPB Bird Database

**Croatia**

**Breeding population size:** Tutiš, V., Kralj, J., Radović, D., Čiković, D. i Barišić, S. (2013): Crvena knjiga ptica Republike Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb

**Breeding short-term trend:** Tutiš, V., Kralj, J., Radović, D., Čiković, D. i Barišić, S. (2013): Crvena knjiga ptica Republike Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb

**Breeding long-term trend:** BiE III Work group, Croatia

**Winter population size:** Report on the implementation of AEWA for the period 2009-2011 - Croatia. <http://www.unep-aewa.org/en/document/national-report-croatia-2>

**Winter short-term trend:** Report on the implementation of AEWA for the period 2009-2011 - Croatia. <http://www.unep-aewa.org/en/document/national-report-croatia-3>

**Winter long-term trend:** Report on the implementation of AEWA for the period 2009-2011 - Croatia. <http://www.unep-aewa.org/en/document/national-report-croatia-3>

**Czech Republic: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Breeding population size:** STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnízdního rozšíření ptaku v České republice. Aventinum Praha.

**Breeding long-term trend:** STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnízdního rozšíření ptaku v České republice. Aventinum Praha.

**Denmark: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Breeding population size:** Lange, Peter (2012): Fugleåret 2011. Dansk Ornitologisk Forening.

**Breeding short-term trend:** BIRDLIFE INTERNATIONAL (2004) Birds in Europe: population estimates, trends and conservation status. Wageningen, The Netherlands: BirdLife International. (BirdLife Conservation Series No. 12) Lange, Peter (2012): Fugleåret 2011. Dansk Ornitologisk Forening

**Breeding long-term trend:** Olsen, Klaus Malling (1992): Danmarks fugle –en oversigt. Dansk Ornitologisk Forening. BIRDLIFE INTERNATIONAL (2004) Birds in Europe: population estimates, trends and conservation status. Wageningen, The Netherlands: BirdLife International. (BirdLife Conservation Series No. 12) Lange, Peter (2012): Fugleåret 2011. Dansk Ornitologisk Forening

**Estonia: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Breeding population size:** Elts, J., Leito, A., Leivits, A., Luigujõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. Hirundo 26(2): 80-112. URL: [http://www.eoy.ee/hirundo/file\\_download/149/Elts\\_et\\_al\\_2013\\_2.pdf](http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf)

**Breeding short-term trend:** Elts, J., Leito, A., Leivits, A., Luigujõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. Hirundo 26(2): 80-112. URL: [http://www.eoy.ee/hirundo/file\\_download/149/Elts\\_et\\_al\\_2013\\_2.pdf](http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf)

**Breeding long-term trend:** Elts, J., Leito, A., Leivits, A., Luigujõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. Hirundo 26(2): 80-112. URL: [http://www.eoy.ee/hirundo/file\\_download/149/Elts\\_et\\_al\\_2013\\_2.pdf](http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf)

**France: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Breeding population size:** DUBOIS, P.J., LE MARECHAL, P., OLIOSO, G. & YESOU, P. 2008 Nouvel inventaire des Oiseaux de France, Delachaux & Niestlé, Paris, 560 p.

**Breeding short-term trend:** Yeatman-Berthelot, D. & Jarry, G. 1994 Nouvel Atlas des Oiseaux Nicheurs de France, SEOF, Paris, 775 p.

**Breeding long-term trend:** Yeatman-Berthelot, D. & Jarry, G. 1994 Nouvel Atlas des Oiseaux Nicheurs de France, SEOF, Paris, 775 p.

**Winter population size:** Deceuninck, B., Maillat, N., Ward, A., Dronneau, C. & Mahéo, R. 2013 Synthèse des dénombrements d'Anatidés et de Foulques hivernant en France à la mi-Janvier 2012, Rochefort sur Mer, LPO, 42 LPO - Wetlands International 2012 Base de données des dénombrements d'oiseaux d'eau « Wetlands International » 1980-2012 réalisés à la mi-janvier, LPO - BirdLife France, Rochefort

**Winter short-term trend:** YEATMAN-BERTHELOT D. assistée de JARRY G. 1991 Atlas des oiseaux de France en hiver, Société Ornithologique de France, 575 p.

**Winter long-term trend:** YEATMAN-BERTHELOT D. assistée de JARRY G. 1991 Atlas des oiseaux de France en hiver, Société Ornithologique de France, 575 p.

**Georgia**

**Breeding population size:** BirdLife International 2004

**Germany: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Breeding population size:** Gedeon, K., C. Grüneberg, A. Mitschke & C. Sudfeldt (in Vorb.): Atlas Deutscher Brutvogelarten. SVD & DDA, Münster.

**Breeding short-term trend:** Dachverband Deutscher Avifaunisten e.V.

**Breeding long-term trend:** Dachverband Deutscher Avifaunisten e.V.

**Winter population size:** Wahl, J., J. Bellebaum, J. Blew, S. Garthe, K. Günther & T. Heinicke (in Vorb.): Rastende Wasservögel in Deutschland 2000-2005: Bestandsschätzungen und Schwellenwerte für Rastgebiete nationaler Bedeutung. Vogelwelt.

**Winter short-term trend:** Monitoring rastender Wasservögel

**Winter long-term trend:** Monitoring rastender Wasservögel

**Greece: *P. n. nigricollis*, Europe/South & West Europe & North Africa**

**Breeding population size:** 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

**Winter population size:** Midwinter Counts Database, Hellenic Ornithological Society

**Winter short-term trend:** Midwinter Counts Database, Hellenic Ornithological Society

**Winter long-term trend:** Midwinter Counts Database, Hellenic Ornithological Society

*Podiceps nigricollis* (Black-necked Grebe)

**Hungary: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> National Park Directorates databases. Breeding bird (MME RTM) database.
<b>Breeding short-term trend:</b> National Park Directorates databases. Breeding bird (MME RTM) database.
<b>Breeding long-term trend:</b> MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278. Magyar, G., Hadarics, T., Waliczky, Z., Schmidt, A., Nagy, T. & Bankovics, A. (1998): Nomenclator avium Hungariae. Magyarország madarainak névjegyzéke. KTM Természetvédelmi Hivatal Madártani Intézete – Magyar Madártani és Természetvédelmi Egyesület – Winter Fair, Budapest – Szeged. P. 202.

**Italy: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Winter population size:</b> IWC ISPRA
<b>Winter short-term trend:</b> IWC ISPRA; Eugenio Dupré in litt. 04-Aug-2014
<b>Winter long-term trend:</b> IWC ISPRA Baccetti N, Dall'Antonia P, Magagnoli P, Melega L, Serra L, Soldatini C & Zenatello M. 2002. Risultati dei censimenti degli uccelli acquatici svernanti in Italia: distribuzione, stima e trend delle popolazioni nel 1991-2000. Biol. Cons. Fauna 111: 1-240

**Kosovo**

<b>Breeding population size:</b> NGO "Finch" (2014)
<b>Winter population size:</b> NGO "Finch" (2014)

**Latvia: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> www.latvijaspunni.lv
<b>Breeding long-term trend:</b> Strazds M., Priednieks J., Vaverins G. 1994. Latvijas putnu skaits. – Putni daba, 4: 3–18. www.latvijaspunni.lv

**Lithuania: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt)
<b>Breeding short-term trend:</b> Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2012. Lietuvos paukščių pažinimo vadovas. Kaunas: „Lututė“, 288 p. Raudonikis L. 2004. Lithuania. In: Birds in Europe: population estimates, trends, and conservation status. BirdLife International, BirdLife Conservation Series No12, Cambridge, UK. Rašomavičius, V. (red.) 2007. Lietuvos raudonoji knyga. Kaunas: „Lututė“, 800 p. (Red Data Book of Lithuania, 2007)
<b>Breeding long-term trend:</b> Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) BirdLife International/European Bird Census Council. 2000. European bird populations: estimates and trends. Cambridge, UK: BirdLife International (BirdLife Conservation Series No. 10). Kurlavičius, P. (ed.) 2006. Lietuvos perinčių paukščių atlasas. Kaunas: „Lututė“, 256 p. Rašomavičius, V. (red.) 2007. Lietuvos raudonoji knyga. Kaunas: „Lututė“, 800 p. (Red Data Book of Lithuania, 2007)

**The Former Yugoslav Republic of Macedonia**

<b>Breeding population size:</b> Micevski, B. 1998. Ornithofauna of the Lake Prespa. Vest, Skopje. Micevski, B. 2003. Avifauna of Ohrid Lake. BSPSM, Skopje. Vasić, V.: 2009 Consultant's report: Study for the natural values of the Ezerani Nature Reserve: Birds. UNDP, Skopje Vasić, V. 2010. Lists of birds of the National park Galičica. Page 245. Public enterprise National park "Galičica," Ohrid
<b>Winter population size:</b> Wetlands International database and unedited data of the Macedonian Ecological Society
<b>Winter short-term trend:</b> Wetlands International database and unedited data of the Macedonian Ecological Society
<b>Winter long-term trend:</b> Fremuth, W., T. Bino, F. Bego, G. Jorgo, B. Micevski, V. Anastasovski, T. Tzvetkov, I. Hristov, M. Schneider-Jacoby, and S. Shumka. 2000. Four years of simultaneous wintering waterbird census at the Ohrid and Prespa Lakes 1997-2000. Pages 28–38 in G. Grupche Lj. & Kungulovski, editor. Proceedings of the International Symposium "Sustainable development of Prespa Region." MES. Catsadorakis, G. et al. 2013. Waterbirds wintering at the Prespa lakes as revealed by simultaneous counts in the three adjoining littoral states. Macedonian Journal of Ecology and Environment 15:23–31

**Moldova**

<b>Breeding population size:</b> The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.
<b>Breeding short-term trend:</b> The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.
<b>Breeding long-term trend:</b> Burfield I., Bommel van F., Birds in Europe. Population estimates, trends and conservation status. BirdLife International. Oxford, 2004. 374p.

**Montenegro**

<b>Breeding population size:</b> Puzovic, S., Simic, D., Saveljic, D., Gergelj, J., Tucakov, M., Stojnic, N., Hulo, I., Ham, I., Vizi, O., Sciban, M., Ruzic, M., Vucanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,
<b>Breeding short-term trend:</b> Puzovic, S., Simic, D., Saveljic, D., Gergelj, J., Tucakov, M., Stojnic, N., Hulo, I., Ham, I., Vizi, O., Sciban, M., Ruzic, M., Vucanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,
<b>Winter population size:</b> IWC reports (2003-2012): Dubak, Vešović, N., Jovičević, M., Vizi O., Vizi, A.
<b>Winter short-term trend:</b> Puzovic, S., Simic, D., Saveljic, D., Gergelj, J., Tucakov, M., Stojnic, N., Hulo, I., Ham, I., Vizi, O., Sciban, M., Ruzic, M., Vucanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,
<b>Winter long-term trend:</b> Puzovic, S., Simic, D., Saveljic, D., Gergelj, J., Tucakov, M., Stojnic, N., Hulo, I., Ham, I., Vizi, O., Sciban, M., Ruzic, M., Vucanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,

**Netherlands: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> NEM, Sovon en CBS (Boele et al. 2011-2013, van Dijk et al 2010)
<b>Breeding short-term trend:</b> NEM, Sovon en CBS, Boele et al. (2013)
<b>Breeding long-term trend:</b> Sovon
<b>Winter population size:</b> Hornman et al 2012
<b>Winter short-term trend:</b> NEM (Sovon, RWS, CBS), Hornman et al 2013
<b>Winter long-term trend:</b> NEM (Sovon, RWS, CBS), Hornman et al 2013

*Podiceps nigricollis* (Black-necked Grebe)

**Norway**

<b>Breeding population size:</b> Larsen, B.H. 2009. Svarthalsdykker er i ferd med å etablere seg i Oppland. Vår Fuglefuna 32: 116-120.
<b>Breeding short-term trend:</b> Larsen, B.H. 2009. Svarthalsdykker er i ferd med å etablere seg i Oppland. Vår Fuglefuna 32: 116-120.
<b>Breeding long-term trend:</b> Larsen, B.H. 2009. Svarthalsdykker er i ferd med å etablere seg i Oppland. Vår Fuglefuna 32: 116-120.

**Poland: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> Compilation of regional figures: KRAINA ŚWIĘTOKRZYSKA (Towarzystwo Badań i Ochrony Przyrody, R. Maniarski, M. Jantarski i inni), KUJAWY (P. Zieliński i inni), LUBELSZCZYŻNA (Lubelskie Towarzystwo Ornitologiczne, M. Urban, P. Szewczyk, P. Stachyra), MAŁOPOLSKA (M. Ciach, R. Bobrek, T. Wilk), MAZOWSZE (Mazowiecko-Świętokrzyskie Towarzystwo Ornitologiczne: S. Chmielewski, A. Dombrowski, A. Goławski, H. Kot), PODLASIE (T. Tumiel, G. Grygoruk), POMORZE (Ł. Ławicki, A. Sikora), ŚLĄSK (P. Kołodziejczyk i inni), ŚLĄSK GÓRNY (J. Bettleja), WARMIA I MAZURY (D. Czaścikiewicz, K. Jankowski, M. Szymkiewicz, A. Sikora), WIELKOPOLSKA (P. Wylegała, L. Kuczyński), ZIEMIA LUBUSKA (P. Czechowski, S. Rubacha, P. Baranowski, M. Jankowski, R. Kruszyk, M. Leszczyński, M. Prange, J. Udolf), ZIEMIA ŁÓDZKA (T. Janiszewski, Z. Wojciechowski, P. Minias, R. Włodarczyk, B. Lesner, M. Wężyk),
<b>Breeding short-term trend:</b> MFGP: Sikora A., Chodkiewicz T., Rohde Z. 2012. Monitoring Flagowych Gatunków Ptaków. In: Podsumowanie sezonu lęgowego Monitoringu Ptaków Polski w 2012 r. OTOP, MiZ, KOO, SOS: 47-61 (source: <a href="http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza4/RaportMPP4_etap1_zad2%264_wiosna2012.pdf">http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza4/RaportMPP4_etap1_zad2%264_wiosna2012.pdf</a> )
<b>Breeding long-term trend:</b> Tucker G.M., Heath M.F. 1994. Birds in Europe: their conservation status. Cambridge, UK: BirdLife International; Chylarecki P., Sikora A. 2007. Ocena liczebności gatunków lęgowych w Polsce. W: Sikora A., Rohde Z., Gromadzki M., Neubauer G., Chylarecki P. (red.). Atlas rozmieszczenia ptaków lęgowych Polski 1985–2004. Bogucki Wyd. Nauk., Poznań, s. 34–41; BirdLife International 2004. Birds in Europe: population estimates, trends and conservation status. Cambridge, UK: BirdLife International. BirdLife International Series No. 12.

**Portugal: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Winter population size:</b> Programa Nacional de Monitorização de Aves Aquáticas Invernaentes
<b>Winter short-term trend:</b> Programa Nacional de Monitorização de Aves Aquáticas Invernaentes
<b>Winter long-term trend:</b> Programa Nacional de Monitorização de Aves Aquáticas Invernaentes

**Romania: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> SOR data base
<b>Breeding short-term trend:</b> Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus”
<b>Breeding long-term trend:</b> Munteanu D. (ed) 2002: Atlasul păsărilor cloctoare din România, ediția a II-a, Publicațiile Societății Ornitologice Române, nr. 16, Cluj-Napoca. Weber P. et al. 1994: Atlasul provizoriu al păsărilor cloctoare 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
<b>Winter population size:</b> International Waterbird Census, Romania SOR Database Milvus Database
<b>Winter short-term trend:</b> International Waterbird Census, Romania SOR Database Milvus Database
<b>Winter long-term trend:</b> International Waterbird Census, Romania SOR Database Milvus Database

**Russia**

<b>Breeding population size:</b> Belik V.P. 2005. Cadastre of breeding avifauna of South Russia. Strepet 3, no. 1-2: 5-37 (in Russian). Numerov A.D. 1996. Class Birds Aves. – Natural resources of Voronezh Region. Vertebrate Animals. Cadaster. Voronezh, Biomik: 48-159 (in Russian). Sarychev V.S. (ed.) 2009. Vertebrates of Lipetsk Region. Voronezh: 494 p. (in Russian). Klimov S.M., Sarychev V.S., Melnikov M.V., Zemlyanukhin A.I. 2004. Fauna of the Upper Don Basin. Nonpasserines. Lipetsk, LGPU: 224 p. (in Russian). Borodin O.V., Smirnova S.L., unpublished. spinus73@mail.ru
<b>Breeding short-term trend:</b> Numerov A.D. 1996. Class Birds Aves. – Natural resources of Voronezh Region. Vertebrate Animals. Cadaster. Voronezh, Biomik: 48-159 (in Russian). Sarychev V.S. (ed.) 2009. Vertebrates of Lipetsk Region. Voronezh: 494 p. (in Russian). Klimov S.M., Sarychev V.S., Melnikov M.V., Zemlyanukhin A.I. 2004. Fauna of the Upper Don Basin. Nonpasserines. Lipetsk, LGPU: 224 p. (in Russian). Borodin O.V., Smirnova S.L., unpublished. spinus73@mail.ru Spiridonov S.N., Lapshin A.S., Lysenkov E.V. 2006. The modern status of rare grebe species (Podicipedidae) in Mordovia. - Russian Ornithological Magazine, express-issue 15 (338): 1127-1130 (in Russian). Avilova K.V. Prevalence and trends of six waterfowl species from the orders Gaviiformes, Podicipediformes and Pelecaniformes in central regions of Russia in 1980–2010. In press. Shepel A.I., unpublished. shai53@mail.ru Belik V.P., unpublished. vpbelik@mail.ru
<b>Breeding long-term trend:</b> Belik V.P. et al. 2003. Recent population trends of breeding birds in the Southern Russia. - Strepet 1: 10-30 (in Russian). Numerov A.D. 1996. Class Birds Aves. – Natural resources of Voronezh Region. Vertebrate Animals. Cadaster. Voronezh, Biomik: 48-159 (in Russian). Sarychev V.S. (ed.) 2009. Vertebrates of Lipetsk Region. Voronezh: 494 p. (in Russian). Klimov S.M., Sarychev V.S., Melnikov M.V., Zemlyanukhin A.I. 2004. Fauna of the Upper Don Basin. Nonpasserines. Lipetsk, LGPU: 224 p. (in Russian). Shepel A.I., unpublished. shai53@mail.ru

**Serbia**

<b>Breeding population size:</b> BPSSS (2014) Unpublished data
<b>Breeding short-term trend:</b> BPSSS (2014) Unpublished data
<b>Breeding long-term trend:</b> BPSSS (2014) Unpublished data
<b>Winter population size:</b> Šćiban M, Đapčić D, Sekereš O, Đorđević I, Ružić M, Stanković D, Radišić D, Gergelj J, Janković M, Radaković M, Rudić B, Agošton A, Dajović M. & Simić D. (2011): Rezultati Međunarodnog cenzusa ptica vodenih staništa u Srbiji 2012. godine. Ciconia 20: 120–1
<b>Winter short-term trend:</b> Šćiban M, Đapčić D, Sekereš O, Đorđević I, Ružić M, Stanković D, Radišić D, Gergelj J, Janković M, Radaković M, Rudić B, Agošton A, Dajović M. & Simić D. (2011): Rezultati Međunarodnog cenzusa ptica vodenih staništa u Srbiji 2012. godine. Ciconia 20: 120–1
<b>Winter long-term trend:</b> BPSSS (2014) Unpublished data

**Slovakia: P. n. nigricollis, Europe/South & West Europe & North Africa**

<b>Breeding population size:</b> Ridzoň, J., Darolová, A. Karaska, D., Fulín, M.
<b>Breeding short-term trend:</b> Ridzoň, J., Darolová, A. Karaska, D., Fulín, M.

*Podiceps nigricollis* (Black-necked Grebe)

**Slovakia: P. n. nigricollis, Europe/South & West Europe & North Africa**

**Breeding long-term trend:** Ridzoň, J., Darolová, A. Karaska, D., Fulín, M.

**Slovenia: P. n. nigricollis, Europe/South & West Europe & North Africa**

**Breeding population size:** Božič, L. & Bordjan, D. (2009): Naravovarstveno vrednotenje avifaune območja zadrževalnika Medvedce (SV Slovenija). *Acrocephalus* 30 (141/142/143): 181-193. Bordjan, D. & Božič, L. (2009): Pojavljanje vodnih ptic in ujed na območju vodnega zadrževalnika Medvedce (Dravsko polje, SV Slovenija) v obdobju 2002–2008. – *Acrocephalus* 30 (141/142/143): 55–163.

**Breeding short-term trend:** Bordjan-osebno

**Breeding long-term trend:** Bordjan-osebno

**Spain: P. n. nigricollis, Europe/South & West Europe & North Africa**

**Breeding population size:** Palomino, D. y B. Molina (Eds) (2009). Aves acuáticas reproductoras en España. Población en 2007 y método de censo. Seguimiento de Aves 26. SEO/BirdLife. Madrid. 210 pp. ([http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/26\\_aves\\_acuaticas\\_reproductoras\\_tcm7-218238.pdf](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/26_aves_acuaticas_reproductoras_tcm7-218238.pdf))

**Breeding short-term trend:** Martí, R. & del Moral, J.C. (Eds.) (2003). Atlas de las Aves Reproductoras de España. Dirección General de Conservación de la Naturaleza-Sociedad Española de Ornitología. Madrid, 733 pp. [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet\\_aves\\_atlas.aspx](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet_aves_atlas.aspx)

**Breeding long-term trend:** Martí, R. & del Moral, J.C. (Eds.) (2003). Atlas de las Aves Reproductoras de España. Dirección General de Conservación de la Naturaleza-Sociedad Española de Ornitología. Madrid, 733 pp. [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet\\_aves\\_atlas.aspx](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet_aves_atlas.aspx) Purroy, F.J. (Coord.) (1997). Atlas de las aves de España (1975-1995). SEO/BidLife. Lynx Edicions. Barcelona. 583 pp.

**Winter population size:** González, R. & Pérez-Aranda, D. (2011). Las aves acuáticas en España, 1980-2009. SEO/BirdLife, Madrid, 338 pp

**Winter short-term trend:** SEO/BirdLife (2012). Programas de seguimiento de SEO/BirdLife en 2011. SEO/BirdLife. Madrid. 35 pp. Información obtenida a partir de la Base de Datos del Inventario de especies terrestres. Censo de Aves Acuáticas Invernantes (Ministerio de Agricultura, Alimentación y Medio Ambiente).[http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/censos\\_aves\\_acuaticas\\_invernantes.aspx](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/censos_aves_acuaticas_invernantes.aspx)

**Winter long-term trend:** González, R. & Pérez-Aranda, D. (2011). Las aves acuáticas en España, 1980-2009. SEO/BirdLife, Madrid, 338 pp

**Sweden: P. n. nigricollis, Europe/South & West Europe & North Africa**

**Breeding population size:** Ottosson, U., Ottvall, R., Elmberg, J., Green, M., Gustafsson, R., Haas, F., Holmqvist, N., Lindström, Å., Nilsson, L., Svensson, M., Svensson, S. & Tjernberg, M. 2012. Fåglarna i Sverige - antal och förekomst. Sveriges Ornitologiska Förening, Halmstad.

**Breeding short-term trend:** Swedish Bird Survey (Svensk Fågeltaxering), Lund University.

**Breeding long-term trend:** Swedish Bird Survey (Svensk Fågeltaxering), Lund University.

**Switzerland**

**Breeding population size:** Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html>

**Breeding short-term trend:** Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html>

**Breeding long-term trend:** Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html>

**Winter population size:** Swiss Ornithological Institute. Winter waterbird census (January). <http://www.vogelwarte.ch/monitoring-wintering-waterbirds.html> Min Max of total count

**Winter short-term trend:** Swiss Ornithological Institute. Winter waterbird census (January). <http://www.vogelwarte.ch/monitoring-wintering-waterbirds.html> Min Max refer to 95% Confidence interval.

**Winter long-term trend:** Swiss Ornithological Institute. Winter waterbird census (January). <http://www.vogelwarte.ch/monitoring-wintering-waterbirds.html> Min Max refer to 95% Confidence interval.

**Turkey**

**Breeding population size:** [www.kusbank.org](http://www.kusbank.org)

**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.

**Breeding long-term trend:** Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12)

**Winter population size:** Kurt, B., Ozbağdatlı, N., Bozkurt, A.K., Arslangundoğdu, Z. ve Gursoy, A. 2002. Türkiye Sulakalanları Kış Ortası Sukuşu Sayımı, Doğal Hayatı Koruma Derneği, İstanbul, Türkiye. Çağlayan, E., Kılıç, D.T., Per, E. ve Gem, E. 2005. Türkiye Kış Ortası Sukuşu Sayımları 2005. Doğa Derneği, Ankara, Turkey Suseven, B., Onmus, O. ve İsfendiyaroğlu, S. 2006. Kış Ortası Sukuşu Sayımı (KOSK) Raporu, Doğa Derneği, Ankara Onmus, O. 2007. Türkiye Kış Ortası Sukuşu Sayımları 2007, Doğa Derneği, Ankara Akarsu, F. ve Balkız, Ö. 2010. Türkiye Kış Ortası Sukuşu Sayımları 2008-2009-2010, Doğa Derneği, Ankara Erciyas Yavuz, K., Kartal E.2011.Türkiye Kış Ortası Sukuşu Sayımları,2011, Ornitoloji Araştırma Merkezi, Samsun Erciyas Yavuz, K., İsfendiyaroğlu S. 2013. 2012 Türkiye Kış Ortası Sukuşu Sayımları, Doğa Derneği, Ankara Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12) [www.kusbank.org](http://www.kusbank.org)

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

**Ukraine**

**Breeding population size:** 1. Hagemajer W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 2. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 3. European birds populations: Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 4. Численность и размещение гнездящихся околводных птиц в водно-болотных угодьях Азово-Черноморского побережья Украины. Под ред. В.Д. Сиохин / Wetland International Киев. 2000. 476 с. 5. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158. 6. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 7. Experts: I.Gorban

## *Podiceps nigricollis* (Black-necked Grebe)

### Ukraine

**Breeding short-term trend:** 1. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 2. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zarak. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 c. 3. Бокотей А.А., Дзюбенко Н.В., Горбань І.М. та інші. Гніздова орнітофауна басейну Верхнього Дністра. – Львів: ЛНУ, 2010. – 400 с. 4. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 5. Experts: I.Gorban

**Breeding long-term trend:** 1. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series № 3. 1994. 600 p. 2. Hagemajjer W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poysen. - London. 1997. 903 p. 3. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 4. Численность и размещение гнездящихся околоводных птиц в водно-болотных угодьях Азово-Черноморского побережья Украины. Под ред. В.Д. Сиохин / Wetland International Киев. 2000. 476 с. 5. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158. 6. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zarak. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 c. 7. Бокотей А.А., Дзюбенко Н.В., Горбань І.М. та інші. Гніздова орнітофауна басейну Верхнього Дністра. – Львів: ЛНУ, 2010. – 400 с. 8. Experts: I.Gorban

**Winter population size:** 1. Русев І.Т., Корзюков А.І., Сацьк С.Ф. Мониторинг зимующих птиц в Северо-Западном Причерноморье в 1999 г. Сб.Зимние учеты птиц на Азово-Черноморском побережье Украины, Алушта-Киев, 1999, выпуск 2, С.46-60. 2. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 3. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajjer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 4. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 5. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 6. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zarak. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 c. 7. Бескаравайный М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 8. Kostiusyn V., Andryuschenko Yu., Goradze I., Abuladze A., Mamuchadze J., Erciyas K. Wintering Waterbird Census in the Azov – Black Sea Coastal Wetlands of Ukraine, Georgia, and Turkey. – Wetlands International Black Sea Program. – 2011. – 130 pp.

**Winter short-term trend:** 1. Русев І.Т., Корзюков А.І., Сацьк С.Ф. Мониторинг зимующих птиц в Северо-Западном Причерноморье в 1999 г. Сб.Зимние учеты птиц на Азово-Черноморском побережье Украины, Алушта-Киев, 1999, выпуск 2, С.46-60. 2. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 3. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajjer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 4. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 5. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 6. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zarak. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 c. 7. Бескаравайный М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 8. Kostiusyn V., Andryuschenko Yu., Goradze I., Abuladze A., Mamuchadze J., Erciyas K. Wintering Waterbird Census in the Azov – Black Sea Coastal Wetlands of Ukraine, Georgia, and Turkey. – Wetlands International Black Sea Program. – 2011. – 130 pp.

**Winter long-term trend:** 1. Русев І.Т., Корзюков А.І., Сацьк С.Ф. Мониторинг зимующих птиц в Северо-Западном Причерноморье в 1999 г. Сб.Зимние учеты птиц на Азово-Черноморском побережье Украины, Алушта-Киев, 1999, выпуск 2, С.46-60. 2. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 3. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajjer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 4. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 5. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 6. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zarak. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 c. 7. Бескаравайный М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 8. Kostiusyn V., Andryuschenko Yu., Goradze I., Abuladze A., Mamuchadze J., Erciyas K. Wintering Waterbird Census in the Azov – Black Sea Coastal Wetlands of Ukraine, Georgia, and Turkey. – Wetlands International Black Sea Program. – 2011. – 130 pp.

### United Kingdom: *P. n. nigricollis*, Europe/South & West Europe & North Africa

**Breeding population size:** Holling, M. & the Rare Breeding Birds Panel. 2012. Rare breeding birds in the United Kingdom in 2010. British Birds 105: 352–416.

**Breeding short-term trend:** RBBP; Holling, M. & the Rare Breeding Birds Panel. 2012. Rare breeding birds in the United Kingdom in 2010. British Birds 105: 352–416.

**Breeding long-term trend:** Holling, M. & the Rare Breeding Birds Panel. 2012. Rare breeding birds in the United Kingdom in 2010. British Birds 105: 352–416.

## Bibliography

- Bartoszewicz, M. and Zalewski, A. 2003. American mink, *Mustela vison* diet and predation on waterfowl in the Slonsk Reserve, western Poland. *Folia Zoologica* 52(3): 225-238.
- Fjelds , J. 2004. *The grebes*. Oxford University Press, Oxford, U.K.
- Friend, M. 2006. Evolving changes in diseases of waterbirds. In: Boere, G., Galbraith, C. and Stroud, D. (ed.), *Waterbirds around the world*, pp. 412-417. The Stationary Office, Edinburgh, UK.
- Jehl, J.R., Jr., Boyd, W.S., Paul, D.S. and Anderson, D.W. 2002. Massive collapse and rapid rebound: population dynamics of Eared Grebes (*Podiceps nigricollis*) during an ENSO event. *The Auk* 119(4): 1162-1166.
- Jensen, W.I. and Cotter, S.E. 1976. An outbreak of Erysipelas in Eared Grebes (*Podiceps nigricollis*). *Journal of Wildlife Diseases* 12: 583-586.
- Konter, A. 2001. *Grebes of our world*. Lynx Edicions, Barcelona.
- Llimona, F., del Hoyo, J., Christie, D.A., Jutglar, F. and Kirwan, G.M. 2015. Black-necked Grebe (*Podiceps nigricollis*). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. and de Juana, E. (eds.) 2015. *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/52491> on 4 March 2015).
- Malcolm, J.M. 1982. Bird collisions with a power transmission line and their relation to botulism at a Montana USA wetland. *Wildlife Society Bulletin* 10(4): 297-304.
- O'Donnel, C. and Fjeldsa, J. (compilers). 1997. *Grebes - Status Survey and Conservation Action Plan*. IUCN/SSC Grebe Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. vii + 59 pp
- Ogilvie, M. and Rose, C. 2003. *Grebes of the World*. Bruce Coleman, Uxbridge.
- Snow, D.W. and Perrins, C.M. 1998. *The Birds of the Western Palearctic vol. 1: Non-Passerines*. Oxford University Press, Oxford.
- van Heerden, J. 1974. Botulism in the Orange Free State goldfields. *Ostrich* 45(3): 182-184.