

***Melanitta fusca* (Velvet Scoter)**

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).

Contents

Reported national population sizes and trends	p. 2
Trend maps of reported national population data	p. 5
Sources of reported national population data	p. 8
Species factsheet bibliography	p. 12

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.

Melanitta fusca (Velvet Scoter)

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	
Estonia	150-300	<1	2008-2012	medium	-	50-70	2001-2012	medium	-	50-70	1980-2012	medium	M. f. fusca, Western Siberia & Northern Europe/ NW Europe
Finland	3,600-11,800	8	2006-2012	good	-	27-57	2001-2012	good	-	40-62	1980-2012	good	M. f. fusca, Western Siberia & Northern Europe/ NW Europe
Georgia	20-50	<1	1994-2002	good	?				?				M. f. fusca, Black Sea & Caspian
Norway	400-650	1	2013	poor	-	15-25	2000-2013	poor	-	40-50	1980-2013	poor	M. f. fusca, Western Siberia & Northern Europe/ NW Europe
Russia	60,000-70,000	79	2000-2002	poor	?				-	5-10	1980-2012	poor	M. f. fusca, Western Siberia & Northern Europe/ NW Europe
Sweden	8,000-12,000	12	2008-2012	medium	0	0	2001-2012	medium	-	30-70	1980-2012	medium	M. f. fusca, Western Siberia & Northern Europe/ NW Europe
Turkey	60-90	<1	2013	poor	?				-	0-19	1990-2013	poor	M. f. fusca, Black Sea & Caspian
EU27	11,800-24,100	20			Decreasing								
Europe	72,200-94,900	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.

Melanitta fusca (Velvet Scoter)

Table 2. Reported national wintering population sizes and trends in Europe¹. 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) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (individuals) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Albania	30-150	<1	2002-2012	medium	F	10-30	2002-2012	medium	F	10-30	1980-2012	poor	
Azerbaijan	Present	<1	2012		?				?				
Belarus	0-5	<1	2009-2013	good	0	0	2000-2012	medium	?				
Belgium	50-250	<1	2008-2012	poor	F	0	2001-2012	poor	F	0	1986-2012	poor	
Bulgaria	0-15	<1	1996-2012	good	F	0-6	2000-2012	good	F	0-6	1980-2012	good	
Denmark	600	<1	2008	good	-	50-100	2000-2011	good	-	50-100	1980-2011	good	
Estonia	20,000-200,000	16	2008-2012	poor	0	0-10	2001-2012	poor	0	0-10	1980-2012	poor	
France	115-1,515	<1	2008-2012	medium	F	0	2000-2012	medium	-	60-75	1980-2012	medium	
Germany	39,000	10	2000-2005	good	F	0	2000-2012	medium	-	21-100	1980-2005	poor	
Rep. Ireland	40	<1	2008-2013	poor	?				?				
Latvia	20,000	5	2007-2008	medium	0	0	2000-2012	medium	-	60	1992-2008	medium	
Lithuania	16,800	4	2008-2012	good	-	20-50	2001-2012	medium	-	15-40	1980-2012	medium	
Moldova	0	<1	2000-2010		?				?				
Montenegro	0-3	<1	2003-2012	poor	?				?				
Netherlands	5-278	<1	2006-2010	good	F	0	2000-2011	medium	F	0	1992-2011	poor	
Norway	20,000-30,000	6	1994-2003	medium	?				?				
Poland	200,000-230,000	56	2011-2012	good	F	0	2005-2012	good	?				
Romania	20-70	<1	2008-2013	medium	F	0-20	2000-2013	medium	?				
Serbia	10-60	<1	2008-2012	medium	F	0	2000-2012		?				
Serbia	10-60	<1	2008-2012	medium	F	0	2000-2012		?				
Slovenia	5-30	<1	2008-2012	medium	F	0-1000	2001-2012	medium	F	0-1000	1980-2012	medium	
Sweden	2,500-7,000	1	2008-2012	medium	?				?				
Switzerland	14-166	<1	2008-2012	good	F	0	2001-2012	good	F	0	1980-2012	good	
Turkey	0-2	<1	2002-2012	good	-	80-89	2002-2012	poor	?				
Ukraine	20-80	<1	1996-2009	medium	-	10-40	1996-2009	medium	-	15-50	1980-2009	medium	
United Kingdom	2,500	1	2004-2008	medium	-	59	1999-2010	good	+	223	1980-2010	good	
EU27	302,000-518,000	94			Fluctuating								
Europe	322,000-549,000	100			Fluctuating								

Melanitta fusca (Velvet Scoter)

Table 2. Reported national wintering population sizes and trends in Europe¹. 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) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (individuals) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	

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

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.

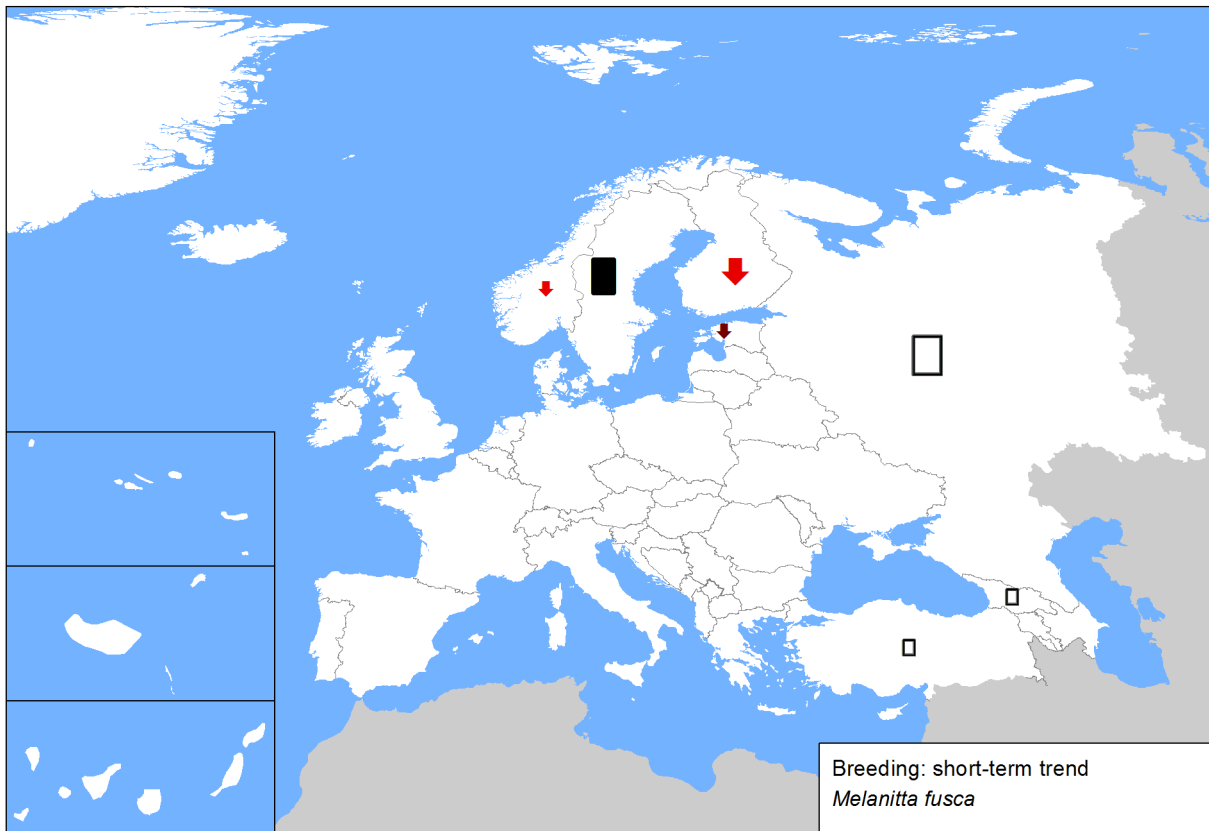


Figure 2. Breeding population sizes and long-term trends across Europe.

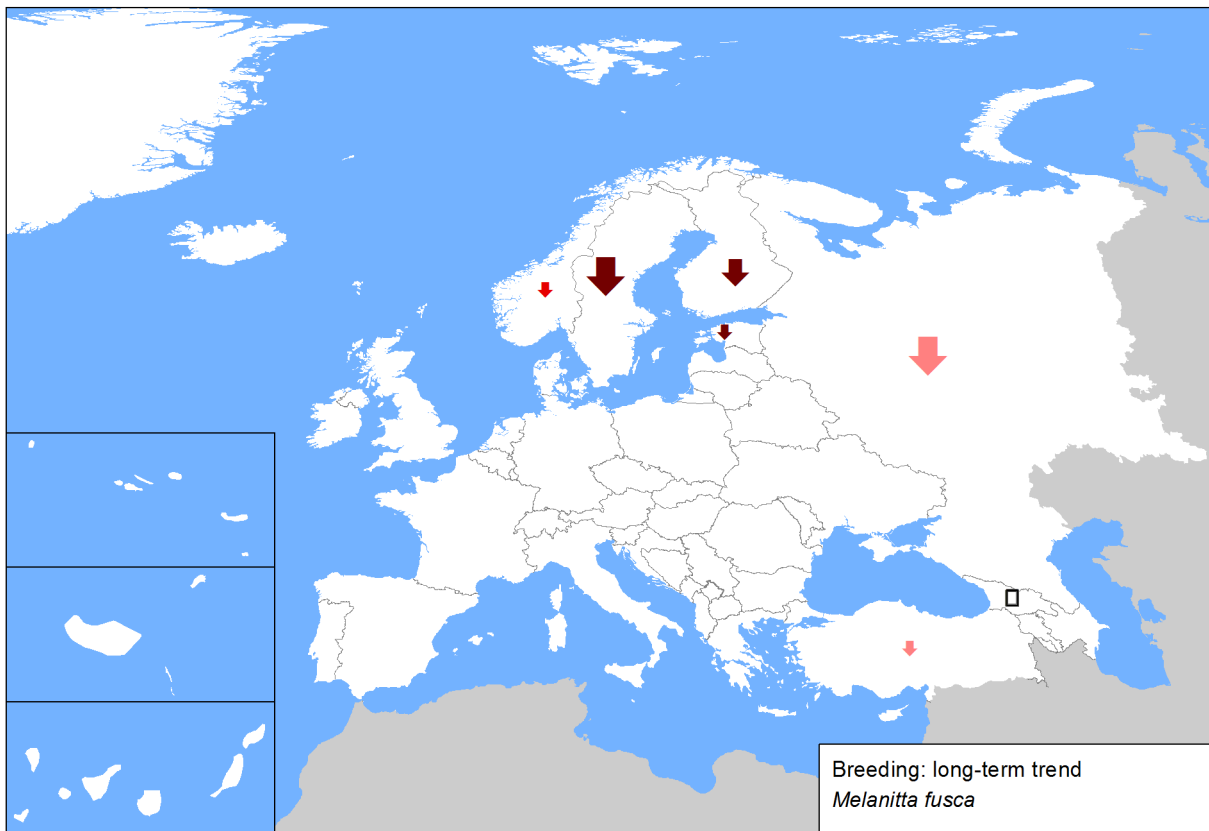


Figure 3. Reported wintering population sizes and short-term trends across Europe. Note that some countries within the species' wintering range did not report any data.

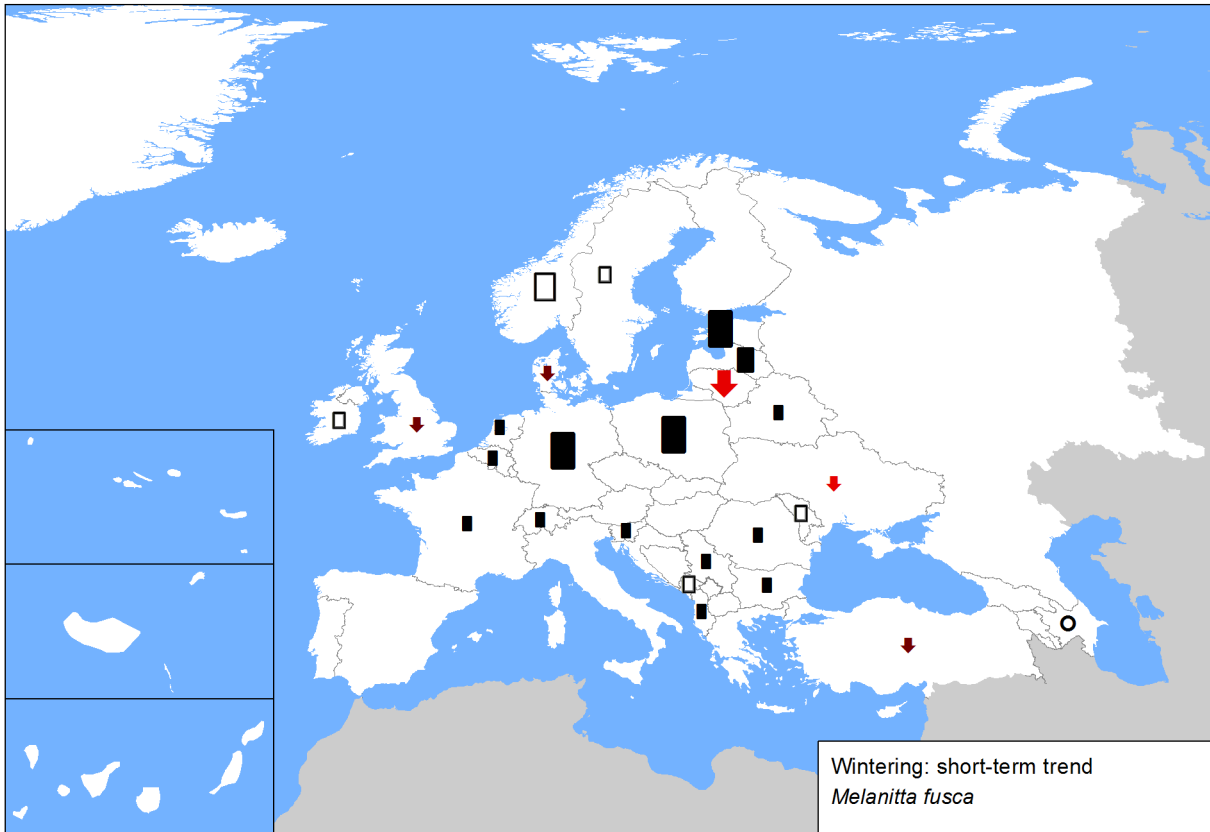
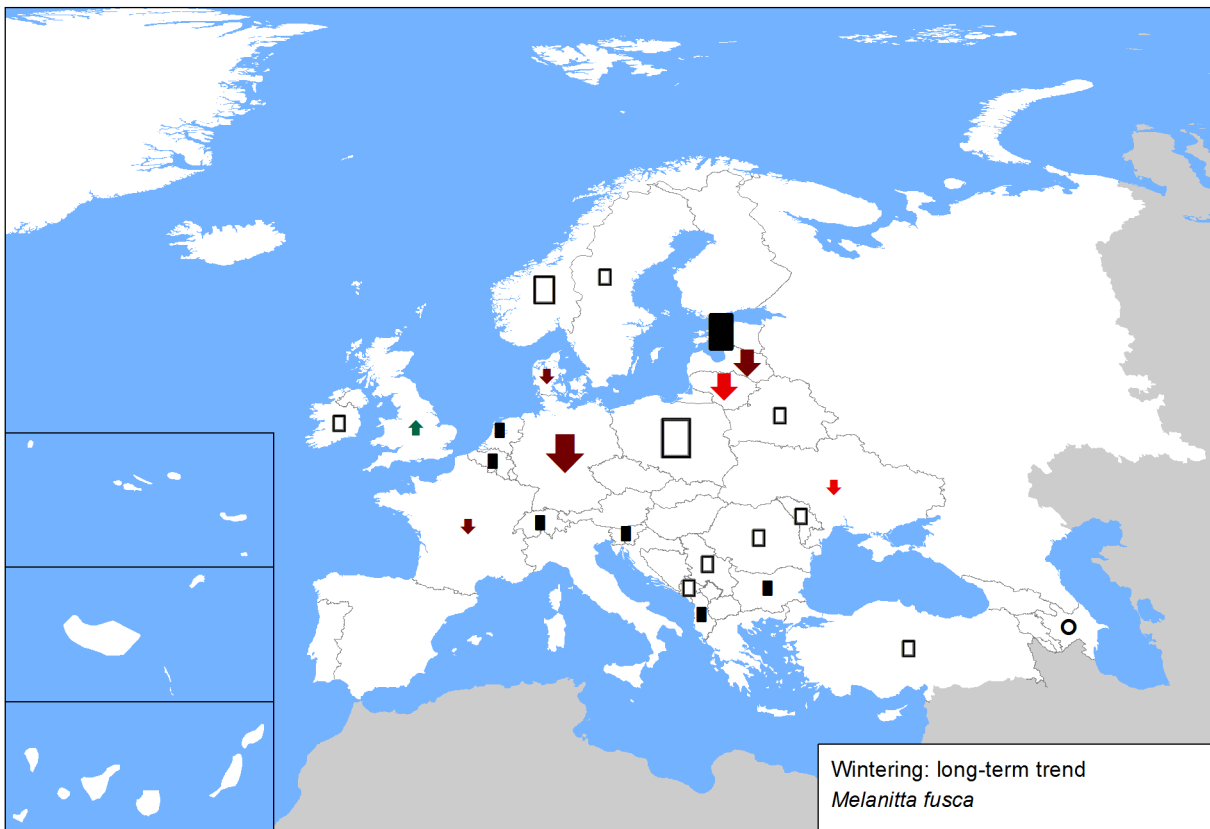


Figure 4. Reported wintering population sizes and long-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



Melanitta fusca (Velvet Scoter)

Sources

Albania: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Bino pers. obs.
Winter short-term trend: Bino pers. obs.
Winter long-term trend: Bino pers. obs.

Azerbaijan: *M. f. fusca*, Black Sea & Caspian

Belarus: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Bogdanovich I.A. - personal communication
Winter short-term trend: Bogdanovich I.A. - personal communication

Belgium: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: waterbird database INBO + Aves, seabird database INBO
Winter short-term trend: seabird database INBO
Winter long-term trend: seabird database INBO

Bulgaria: *M. f. fusca*, Black Sea & Caspian

Winter population size: 1/ IWC counts in Bulgaria 2/ BSPB GIS related ornithological database 3/ Kostadinova, I. & S. Dereliev. 2001. Results from Mid-winter counts in Bulgaria. BSPB Conservation Series, Book 3. Sofia. 4/ Michev T., Profirov L. 2003. Mid-Winter Numbers of Waterbirds in Bulgaria (1977-2001). Pensoft, Sofia, 160 pp.
Winter short-term trend: International Waterbird Census in Bulgaria
Winter long-term trend: ICW counts in Bulgaria

Denmark: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Pihl, S., Clausen, P., Petersen, I.K., Nielsen, R.D., Laursen, K., Bregnballe, T., Holm, T.E. & Søgaaard, B. (2013): Fugle 2004-2011. NOVANA. Aarhus Universitet, DCE - Nationalt Center for Miljø og Energi. - Videnskabelig rapport fra DCE nr. 49. 188 s.
Winter short-term trend: Pihl, S., Clausen, P., Petersen, I.K., Nielsen, R.D., Laursen, K., Bregnballe, T., Holm, T.E. & Søgaaard, B. (2013): Fugle 2004-2011. NOVANA. Aarhus Universitet, DCE - Nationalt Center for Miljø og Energi. - Videnskabelig rapport fra DCE nr. 49. 188 s.
Winter long-term trend: Pihl, S., Clausen, P., Petersen, I.K., Nielsen, R.D., Laursen, K., Bregnballe, T., Holm, T.E. & Søgaaard, B. (2013): Fugle 2004-2011. NOVANA. Aarhus Universitet, DCE - Nationalt Center for Miljø og Energi. - Videnskabelig rapport fra DCE nr. 49. 188 s.

Estonia: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

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. <i>Hirundo</i> 26(2): 80-112. URL: 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. <i>Hirundo</i> 26(2): 80-112. URL: 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. <i>Hirundo</i> 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf .
Winter 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. <i>Hirundo</i> 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf
Winter 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. <i>Hirundo</i> 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf prep.
Winter 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. <i>Hirundo</i> 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Finland: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Breeding population size: Archipelago Bird Census data. Rönkä, M. T. H., Saari, C. L. V., Lehtikoinen, E. A., Suomela, J. & Häkkinen, K. 2005: Environmental changes and population trends of breeding waterfowl in northern Baltic Sea. – <i>Ann. Zool. Fennici</i> 42: 587–602.
Breeding short-term trend: Archipelago Bird Census data.
Breeding long-term trend: Archipelago Bird Census data.

France: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Deceuninck, B., Maillet, 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 Dubois P.J., Le Maréchal P., Olioso G. & Yésou P. 2008 <i>Nouvel Inventaire des Oiseaux de France</i> , Paris, Delachaux & Niestlé, 559
Winter short-term trend: 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 long-term trend: 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

Georgia: *M. f. fusca*, Black Sea & Caspian

Breeding population size: BirdLife International 2004

Melanitta fusca (Velvet Scoter)

Germany: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

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: Seabirds at Sea-Programm

Winter long-term trend: Hüppop, O., H.-G. Bauer, H. Haupt, T. Ryslavý, P. Südbeck & J. Wahl (2013): Rote Liste wandernder Vogelarten Deutschlands, Fassung Januar 2013. Ber. Vogelschutz Vol. 49/50.

Republic of Ireland: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: O'Donnell, A. (2012) Scarce migrants in Ireland, 2007 and 2008. Irish Birds 9: 421-446. Irish Birding Website: <http://www.irishbirding.com>.

Winter short-term trend: O'Donnell, A. (2012) Scarce migrants in Ireland, 2007 and 2008. Irish Birds 9: 421-446. Irish Birding Website: <http://www.irishbirding.com>.

Winter long-term trend: Sheppard, R. (1993). Ireland's Wetland Wealth. Irish Wildbird Conservancy.

Latvia: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: LIFE MPAs in the Eastern Baltic

Winter short-term trend: Bioloģiskās daudzveidības monitorings 2000, MPAs in Eastern baltic, GORWIND

Winter long-term trend: Durinck et al 1994 Skov et al 2011

Lithuania: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Mindaugas Dagys (dagys@ekoi.lt) LIFE05 NAT/LV/000100 project data State monitoring scheme data (2008-2012)

Winter short-term trend: Mindaugas Dagys (dagys@ekoi.lt) LIFE05 NAT/LV/000100 project data State monitoring scheme data (2008-2012)

Winter long-term trend: Mindaugas Dagys (dagys@ekoi.lt) LIFE05 NAT/LV/000100 project data State monitoring scheme data (2008-2012)

Moldova: *M. f. fusca*, Black Sea & Caspian

Winter population size: Winter assessment of water birds in Moldova

Montenegro: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: IWC reports (2003-2012): Dubak, Vešović, N., Jovičević, M., Vizi O., Vizi, A.

Netherlands: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Hornman et al 2013

Winter short-term trend: NEM (Sovon, RWS, CBS), Hornman et al 2013

Winter long-term trend: Sovon

Norway: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Breeding population size: Shimmings P. & Øien, I.J. 2015. Bestandsestimater og trender for norske hekkefugler. NOF-rapport 2015-2.

Breeding short-term trend: Shimmings P. & Øien, I.J. 2015. Bestandsestimater og trender for norske hekkefugler. NOF-rapport 2015-2.

Breeding long-term trend: NOF unpublished

Winter population size: Svorkmo-Lundberg, T., Bakken, V., Helberg, M., Mørk, K., Røer, J.E. & Sæbø, S. 2006. Norsk VinterfuglAtlas. Fuglenes utbredelse, bestandsstørrelse og økologi vinterstid. Norsk Ornitologisk Forening, Trondheim. 496 pp.

Poland: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: MZPM: Chodkiewicz T., Kuczyński L., Sikora A., Ławicki Ł., Chylarecki P., Neubauer G., Meissner W., Rohde Z. 2013. Opracowanie raportu dla Komisji Europejskiej z wdrażania Dyrektywy Ptasiej w Polsce w zakresie Monitoringu Ptaków Polski w Państwowym Monitoringu Środowiska. Sprawozdanie dla Głównego Inspektoratu Ochrony Środowiska. OTOP, Marki; Meissner W., Chodkiewicz T., Bzoma Sz., Brewka B., Woźniak B. 2012. Monitoring ptaków zimujących. Sprawozdanie dla GIOŚ. OTOP (source: http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza3/RaportMPP3_etap8_zad2%264_zima2012.pdf); Chodkiewicz T., Neubauer G., Meissner W., Sikora A., Chylarecki P., Woźniak B., Bzoma S., Brewka B., Rubacha S., Kus K., Rohde Z., Cenian Z., Wieloch M., Zielińska M., Zieliński P., Kajtoch Ł., Szałański P., Betleja J. 2012. Monitoring populacji ptaków Polski w latach 2010–2012. Biuletyn Monitoringu Przyrody 9: 1–44 (source: http://monitoringptakow.gios.gov.pl/publikacje?file=files/pliki/publikacje/Biuletyn9_2012.pdf)

Winter short-term trend: Meissner W. 2007. Ptaki morskie w strefie polskich wód terytorialnych – czy potrafimy wskazać obszary najbardziej i najmniej konfliktowe? II Konferencja „Rynek energetyki wiatrowej w Polsce”. 20-21.03.2007, Warszawa.

Romania: *M. f. fusca*, Black Sea & Caspian

Winter population size: International Waterbird Census, Romania SOR Database Milvus Database

Winter short-term trend: International Waterbird Census, Romania SOR Database Milvus Database

Winter long-term trend: International Waterbird Census, Romania SOR Database Milvus Database

Russia: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Breeding population size: Krivenko V.G, Vinogradov V.G. 2008. Birds of the Water Environment and Rhythms of Climate of the Northern Eurasia. Moscow: 588 pp. (in Russian).

Breeding long-term trend: Krivenko V.G, Vinogradov V.G. 2008. Birds of the Water Environment and Rhythms of Climate of the Northern Eurasia. Moscow: 588 pp. (in Russian).

Serbia: *M. f. fusca*, Black Sea & Caspian

Winter population size: Šćiban M, Đapić 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

Melanitta fusca (Velvet Scoter)

Serbia: M. f. fusca, Black Sea & Caspian

Winter short-term trend: 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
Winter long-term trend: BPSSS (2014) Unpublished data

Serbia: M. f. fusca, Western Siberia & Northern Europe/NW Europe

Winter population size: 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
Winter short-term trend: 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
Winter long-term trend: BPSSS (2014) Unpublished data

Slovenia: M. f. fusca, Western Siberia & Northern Europe/NW Europe

Winter population size: http://www.natura2000.gov.si/index.php?id=211 Božič, L. (2008): Monitoring populacij izbranih vrst ptic – zimsko štetje vodnih ptic 2002-2008. Končno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 167 str. Božič, L. (2009): Monitoring populacij izbranih vrst ptic – Rezultati zimskega štetja vodnih ptic 2009, rezultati popisov preleta ujed v jesenski sezoni 2008. 2. vmesno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 35 str. Božič, L. (2010): Monitoring populacij izbranih ciljnih vrst ptic – zimsko štetje vodnih ptic 2010. Končno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 28 str. Božič, L. (2011): Monitoring populacij izbranih ciljnih vrst ptic – zimsko štetje vodnih ptic 2011. Končno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 28 str. BOŽIČ, L. (2008A): Rezultati januarskega štetja vodnih ptic leta 2008 v Sloveniji. – Acrocephalus 29 (136): 39–49. BOŽIČ, L. (2008B): Rezultati januarskega štetja vodnih ptic leta 2009 v Sloveniji. – Acrocephalus 29 (138/139): 169–179. BOŽIČ, L. (2010): Rezultati januarskega štetja vodnih ptic leta 2010 v Sloveniji. – Acrocephalus 31 (145/146): 131–141. BOŽIČ, L. (2011): Rezultati januarskega štetja vodnih ptic leta 2011 v Sloveniji. – Acrocephalus 32 (148/149): 67–77. BOŽIČ, L. (2012): Rezultati januarskega štetja vodnih ptic leta 2012 v Sloveniji. – Acrocephalus 33 (152/153): 109–119.
Winter short-term trend: DOPPS
Winter long-term trend: SOVINC, A. (1994): Zimski ornitološki atlas Slovenije. – Tehniška založba Slovenije, Ljubljana.

Sweden: M. f. fusca, Western Siberia & Northern Europe/NW Europe

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.
Winter population size: Swedish Bird Survey (Svensk Fågeltaxering), Lund University.
Winter short-term trend: Swedish Bird Survey (Svensk Fågeltaxering), Lund University.
Winter long-term trend: Swedish Bird Survey (Svensk Fågeltaxering), Lund University.

Switzerland: M. f. fusca, Western Siberia & Northern Europe/NW Europe

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: M. f. fusca, Black Sea & Caspian

Breeding population size: Murat Bozdoğan, Soner Bekri, Güven Eken personal communication. Eken G., Bozdoğan M., İsfendiyaroğlu S., Kılıç D.T., Lise Y. (2006) Türkiye'nin Önemli Doğa Alanları. 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 Kirwan G.M., Boyla K. A., Castell P., Demirci B., Özen M., Welch H., Marlow T., 2008, Birds of Turkey. Londra, Christopher Helm, 978-1-4081-0475-
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 Kıs Ortası Sukuşu Sayımı, Doğal Hayatı Koruma Derneği, İstanbul, Türkiye. Çağlayan, E., Kılıç, D.T., Per, E. ve Gem, E. 2005. Türkiye Kıs Ortası Sukuşu Sayımları 2005. Doğa Derneği, Ankara, Turkey Suseven, B., Onmus, O. ve İsfendiyaroğlu, S. 2006. Kıs Ortası Sukuşu Sayımı (KOSK) Raporu, Doğa Derneği, Ankara Onmus, O. 2007. Türkiye Kıs 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
Winter short-term trend: Doğa Derneği

Melanitta fusca (Velvet Scoter)

Ukraine: *M. f. fusca*, Black Sea & Caspian

Winter population size: 1. Русев И.Т., Гержик И.П., Васильков И.А., Павлов А.В., Потапов О.В., Корзюков А.И. Результаты учетов зимующих птиц в Северо-Западном Причерноморье (11-26 января 1995 года) // Казарка. – Бюллетень рабочей группы по гусям Восточной Европы и Северной Азии. – Москва. – 1996. – С. 285 – 291. 2. Scott, D. A. & Rose, P.M. (1996). Atlas of Anatidae Populations in Africa and Western Eurasia / Wetland International Publ. No41, Wetland International, Wageningen, The Netherlands, 336 p. 3. Андрущенко Ю.А., Горлов П.И., Кинда В.В., Касьянов В.И. Результаты учетов зимующих птиц Северо-Западного Приазовья в январе 1997 года // Экосистемы дикой природы: охрана, природопользование, мониторинг.- Фонд "Природное наследие": Одесса, 1997.- С.1-3. 4. Русев И.Т., Жмуд М.Е., Корзюков А.И., Гержик И.П., Сацык С.Ф., Потапов О.В. Результаты рождественского учета зимующих птиц в Северо-Западном Причерноморье в 1997 г. // Сб. "Экосистемы дикой природы", 1997, - вып.6, - С.19-50. 5. Русев И.Т., Корзюков А.И., Сацык 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. 6. 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. 7. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemeijer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 8. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 9. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 10. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 11. Бескаравайный М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с.

Winter short-term trend: 1. Русев И.Т., Корзюков А.И., Форманюк О.А., Панченко П.С. Зимовки водоплавающих и водно-болотных птиц в Северо-Западном Причерноморье в 2000-2001 гг. // Мониторинг зимующих птиц в Азово-Черноморском регионе Украины. – Одесса-Киев. – 2002. – С.54-74 2. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 3. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 4. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 5. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 6. Бескаравайный М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 7. Гаврилюк М. Н., Домашевский С. В., Илюха А. В., Борисенко Н. Н., Грищенко В. Н., Яблоновская-Грищенко Е. Д. О зимовке водоплавающих и околоводных птиц в 2007–2008 гг. в районе Кременчугского водохранилища // Сохранение разнообразия животных и охотничье хозяйство России [Матер. 3-й Междунар. науч.-практич. конф.]. – М., 2009. – С. 572–576. 8. Гаврилюк М. Н., Илюха О. В., Борисенко М. М., Грищенко В. М., Яблоновська-Грищенко Є. Д. Зимівля водоплавних та навколводних птахів у 2009–2010 рр. у районі Кременчуцького водосховища // Природничий альманах. Серія: Біологічні науки. – Херсон, 2011. – Вип. 15. – С. 26–32.

Winter long-term trend: 1. Русев И.Т., Гержик И.П., Васильков И.А., Павлов А.В., Потапов О.В., Корзюков А.И. Результаты учетов зимующих птиц в Северо-Западном Причерноморье (11-26 января 1995 года) // Казарка. – Бюллетень рабочей группы по гусям Восточной Европы и Северной Азии. – Москва. – 1996. – С. 285 – 291. 2. Scott, D. A. & Rose, P.M. (1996). Atlas of Anatidae Populations in Africa and Western Eurasia / Wetland International Publ. No41, Wetland International, Wageningen, The Netherlands, 336 p. 3. Андрущенко Ю.А., Горлов П.И., Кинда В.В., Касьянов В.И. Результаты учетов зимующих птиц Северо-Западного Приазовья в январе 1997 года // Экосистемы дикой природы: охрана, природопользование, мониторинг.- Фонд "Природное наследие": Одесса, 1997.- С.1-3. 4. Русев И.Т., Жмуд М.Е., Корзюков А.И., Гержик И.П., Сацык С.Ф., Потапов О.В. Результаты рождественского учета зимующих птиц в Северо-Западном Причерноморье в 1997 г. // Сб. "Экосистемы дикой природы", 1997, - вып.6, - С.19-50. 5. Русев И.Т., Корзюков А.И., Сацык 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. 6. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 7. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 8. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С. 23-39. 9. Бескаравайный М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 10. Гаврилюк М. Н., Домашевский С. В., Илюха А. В., Борисенко Н. Н., Грищенко В. Н., Яблоновская-Грищенко Е. Д. О зимовке водоплавающих и околоводных птиц в 2007–2008 гг. в районе Кременчугского водохранилища // Сохранение разнообразия животных и охотничье хозяйство России [Матер. 3-й Междунар. науч.-практич. конф.]. – М., 2009. – С. 572–576. 11. Гаврилюк М. Н., Илюха О. В., Борисенко М. М., Грищенко В. М., Яблоновська-Грищенко Є. Д. Зимівля водоплавних та навколводних птахів у 2009–2010 рр. у районі Кременчуцького водосховища // Природничий альманах. Серія: Біологічні науки. – Херсон, 2011. – Вип. 15. – С. 26–32.

United Kingdom: *M. f. fusca*, Western Siberia & Northern Europe/NW Europe

Winter population size: Musgrove, A.J., Austin, G.E., Hearn, R.D., Holt, C.A., Stroud, D.A. & Wotton, S.R. 2011. Overwinter population estimates of British waterbirds. British Birds 104: 364–397.

Winter short-term trend: Holt, C.A., Austin, G.E., Calbrade, N.A., Mellan, H.J., Hearn, R.D., Stroud, D.A., Wotton, S.R. & Musgrove, A.J. (2012). Waterbirds in the UK 2010/11: The Wetland Bird Survey. BTO/RSPB/JNCC, Thetford. 183 pp.

Winter long-term trend: Holt, C.A., Austin, G.E., Calbrade, N.A., Mellan, H.J., Hearn, R.D., Stroud, D.A., Wotton, S.R. & Musgrove, A.J. (2012). Waterbirds in the UK 2010/11: The Wetland Bird Survey. BTO/RSPB/JNCC, Thetford. 183 pp.

Bibliography

- Balian, L.V., Ghasabian, M.G., Adamian, M.S. and Klem Jr, D. 2002. Changes in the waterbird community of the Lake Sevan-Lake Gilli area, Republic of Armenia: a case for restoration. *Biological Conservation* 106(2): 157-163.
- Bregnballe, T., Noer, H., Christensen, T.K., Clausen, P., Asferg, T., Fox, A.D. and Delany, S. 2006. Sustainable hunting of migratory waterbirds: the Danish approach. In: Boere, G., Galbraith, C. and Stroud, D. (ed.), *Waterbirds around the world*, pp. 854-860. The Stationary Office, Edinburgh, UK.
- Carboneras, C. and Kirwan, G.M. 2014. Velvet Scoter (*Melanitta fusca*). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. and de Juana, E. (eds.) 2014. *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/52922> on 15 January 2015).
- Delany, S. and Scott, D. 2006. *Waterbird population estimates*. Wetlands International, Wageningen, The Netherlands.
- del Hoyo, J., Elliot, A. and Sargatal, J. 1992. *Handbook of the Birds of the World, vol. 1: Ostrich to Ducks*. Lynx Edicions, Barcelona, Spain.
- Garthe, S. and Hüppop, O. 2004. Scaling possible adverse effects of marine wind farms on seabirds: developing and applying a vulnerability index. *Journal of Applied Ecology* 41(4): 724-734.
- Gorski, W., Jakuczun, B., Nitecki, C. and Petryna, A. 1977. Investigation of oil pollution on the Polish Baltic coast in 1974-1975. *Przegląd Zoologiczny* 21(1): 20-23.
- Kear, J. 2005. *Ducks, geese and swans volume 2: species accounts (Cairina to Mergus)*. Oxford University Press, Oxford, U.K.
- Madge, S. and Burn, H. 1988. *Wildfowl*. Christopher Helm, London.
- Melville, D.S. and Shortridge, K. F. 2006. Migratory waterbirds and avian influenza in the East Asian-Australasian Flyway with particular reference to the 2003-2004 H5N1 outbreak. In: Boere, G., Galbraith, C. and Stroud, D. (ed.), *Waterbirds around the world*, pp. 432-438. The Stationary Office, Edinburgh, UK.
- Nordström, M., Högmander, J., Nummelin, J., Laine, J., Laanetu, N. and Korpimäki, E. 2002. Variable responses of waterfowl breeding populations to long-term removal of introduced American mink. *Ecography* 25: 385-394.
- Tucker, G.M. and Heath, M.F. 1994. *Birds in Europe: their conservation status*. Cambridge, UK: BirdLife International (BirdLife Conservation Series no. 3).
- UICN France, MNHN, LPO, SEOF & ONCFS 2011. *La Liste rouge des espèces menacées en France [The Red List of threatened species in France]*. Paris, France.