



Regional trends of the Common Nightingale in Europe.

migration routes and wintering grounds. ing grounds as well as factors actors on the well mirror both habitat char of Common Mightingales in Europe might east to west. Variation in the regional trends hara across the African continent from the quarters, which lie in a belt below the Sastopovers to get to their different wintering Nightingale use three different flyways and example, European populations of Common in migrating species across their ranges. For our knowledge of the factors driving trends pe complex and there are still large gaps in declines. In many cases, the situation may

see the table (reverse side of this leaflet).

may threaten the population and lead to with infrastructure during the migration ring sites, as well as hunting or collision change and persecution on the wintefeeding birds, like Barn Swallows. Habitat survival in marshland birds and aerial in sub-Saharan winter quarters influences routes and wintering grounds. Drought ly weather conditions on their migration fected by many other factors, particulartrends of long-distance migrants are atrecent years. In comparison to residents, has become major concern in Europe in The decline of long-distance migrants

Countries contributing their data to PECBMS.

and methods see www.ebcc.info/methods2013.html.

multiple schemes within one country were used, for details

Germany, Latvia, Norway, Spain and Sweden the data from

coordinated through the PECBMS. In this update, two new surveys in 27 countries, spanning different periods,

The data are derived from annually operated breeding bird

Luxembourg and Romania. In Belgium, Cyprus, France,

countries contributed their data for the first time -

Photo by Ivan Dudάček (ptaci.net)



summer temperatures could play a role as well. probably thanks to habitat changes. Increasing has expanded its range in Europe northwards During the last two centuries, the Golden Oriole

LUND

Data

The wild bird indicators for Europe. The numbers in parentheses show the numbers of species in each indicator. info/indicators2013.html.

More indicators can be found on www.ebcc. common forest birds appear to be stable. farmland birds are still declining and remained virtually unchanged; common population change in the indicator has line. Nevertheless, the overall pattern of contributed to the common bird indicator farmland bird indicator, while the others species, of which three were included in the

we were able to present data on 15 new increased number of species. In this update,

Indicators

This year we present indicators based on an



moderately or strongly increasing 1 , stable — and uncertain ? . For explanation of categories of species' trend The numbers in italics show the numbers of species in each indicator which are moderately or steeply declining 📘 🖊

Acknowledgements

Above all, very special thanks to the many thousands of skilled volunteer counters responsible for data collection.

Many thanks go to the individuals and organisations responsible for national data collation from volunteers and further data analysis: N. Teufelbauer, J.-P. Jacob, T. Kinet, J.-Y. Paquet, C. Vansteenwegen, A. Weiserbs, I. Hristov, M. Hellicar, D. Pomeroy, T. Telenský, H. Heldbjerg, M. Fink Jørgensen, M. Lerche-Jørgensen, J. Elts, A. Kuresoo, R. Nellis, H. Pehlak, A. Lehikoinen, R. A. Väisänen, F. Jiguet, T. Kominos, A. Manolopoulos, D. Portolou, M. Flade, J. Schwarz, S. Trautmann, K. Nagy, Z. Nagy, T. Szép, D. Coombes, O. Crowe, G. Calvi, T. Campedelli, L. Fornasari, P. Rossi, A. Auniņš, O. Keišs, I. Mārdega, G. Biver, A. Boele, J. van Bruggen, A. van Dijk, C. Plate, W. Teunissen, C. van Turnhout, J.-W. Vergeer, M. Husby, J. Atle Kålås, R. Vang, T. Chodkiewicz, P. Chylarecki, G. Neubauer, B. Wozniak, J. Costa, I. Fagundes, A. Leal, D. Leitão, R. Martins, A. T. Margues, A. Meirinho, H. Sampaio, C. Domsa, Z. D. Szabó, J. Ridzoň, K. Slabeyová, J. Topercer, L. Božič, J. Figelj, P. Kmecl, M. Anton, V. Escandell, S. Herrando, J. C. del Moral, M. Green, Å. Lindström, H. Schmid, M. Spiess, D. Massimino, K. Risely.

A. van Strien, A. Gmelig Meyling and T. van der Meij (Statistics Netherlands) contributed with final data analysis and computation procedure.

EBCC/RSPB/BirdLife/Statistics Netherlands

We also thank to I. J. Burfield, R. P. B. Foppen, D. G. Noble, Z. Vermouzek, N. Schäffer and D. W. Gibbons for help and general

PECBMS contact: Petr Voříšek, project coordinator, Czech Society for Ornithology, Na Bělidle 252/34, CZ-150 00, Praha 5-Smíchov Czech Republic, E-mail: EuroMonitoring@birdlife.cz.

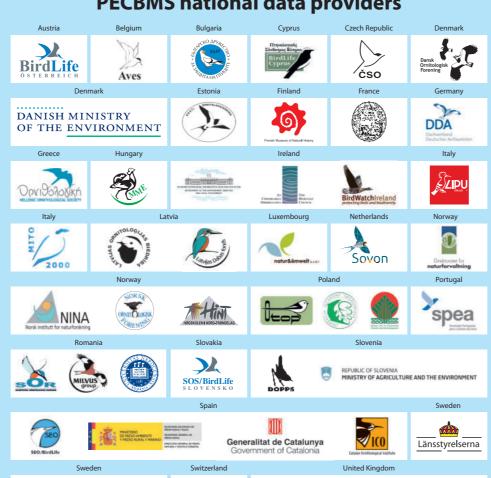
Compiled by: A. Klvaňová, J. Škorpilová, P. Voříšek and R. D. Gregory. Layout: J. Kaláček. Printed by JAVA Třeboň, Czech Republic. Cover photo: Barn Swallow by Dušan Boucný (birdphoto.cz).

Citation: PECBMS 2013. Population Trends of Common European Breeding Birds 2013. CSO, Prague.



Census Council (EBCC) and BirdLife International It has been supported financially since 2002 by the Royal Society for Protection of Birds (RSPB, Since January 2006 the project has been funded by the European Commission as well.

PECBMS national data providers



preeding grounds. and during migration, as well as on the factors affecting birds on wintering grounds complex situation. We need to understand in different regions, suggesting a more However, some species show different trends data confirms declines in several of them. have declined recently and the PECBMS particular concern because many of them trends. Long-distance migrants are a play an important role in driving population ➤ The migration strategy of species appears to and trends of 6 were classified as uncertain. declined, 29 increased, 31 remained stable, specialists of other habitats. Of these, 25 common birds, and included generalists and The other 91 species were classified as other

sable, and trends of 2 were classified as which 12 declined, 11 increased, 8 remained ★ 33 species were classified as forest birds, of

stable, and trends of 3 were classified as of which 24 declined, 6 increased, 6 remained

*39 species were classified as farmland birds, remain uncertain. remained stable. In 11 cases the species' trends moderately and 2 steeply, while 45 have moderately and 2 strongly, 59 have declined

▼ Of the 163 species covered, 44 have increased covering the period 1980-2011. data collected from 27 European countries, trends of 163 common bird species based on

➤ This leaflet presents the combined bird species

Summary



Population Trends of Common European Breeding Birds 2013



Pan-European Common Bird Monitoring Scheme (PECBMS)











Biomonitoring 2013.indd 12.7.2013 18:16:12



Population Trends of Common European Breeding Birds 2013

Legend for Table

The quality of outputs may differ species by species. In some cases, the coverage of species' populations and thus the representativeness of the data may be lower at the beginning of the time series (for information on the time span and the list of countries contributing with their data for individual species, see www.ebcc.info/trends2013.html). Furthermore, year to year fluctuations might not always reflect real population change, so we recommend cautious interpretation of year by year changes. Readers should also pay attention to individual species' legends.

Long/short-term trend: change (in %) in an index value between first and last year of a time period.

Long/short-term annual change: average percentage change per year.

Long-term: 1980–2011, Short-term: 1990–2011.

Trend classification: 11 strong increase, ↑ moderate increase, — stable, ↓ moderate decline, ## steep decline, ? uncertain.

Habitat: for – forest, farm – farmland, oth – other.

- 1 Long-term trend not available.
- **2** Long-term trend: 1981–2011.
- **3** Long-term trend: 1982–2011.
- 4 Long-term trend: 1984–2011.
- 5 Short-term trend: 1991–2011.
- 6 Short-term trend: 1996–2011.
- **7** Short-term trend: 1998–2011.
- 8 Short-term trend: 1999–2011.

Circus aeruginosus

Western Marsh-harrier

- **9** Short-term trend: 2000–2011.
- 10 Index for early period may be unrepresentative due to limited geographical coverage and needs to be treated with caution.

Trend classification

The multiplicative overall slope estimate (trend value) in TRIM is converted into one of the following categories. The category depends on the overall slope, as well as its 95% confidence nterval (= slope +/- 1.96 times the standard error of the slope).

- > Strong increase increase significantly more than 5% per year (5% would mean a doubling in abundance within 15 years). Criterion: lower limit of confidence interval > 1.05.
- ➤ Moderate increase significant increase, but not significantly more than 5% per year. Criterion: 1.00 < lower limit of confidence interval < 1.05.
- ➤ Stable no significant increase or decline, and most probable trends are less than 5% per year. Criterion: confidence interval encloses 1.00 but lower limit > 0.95 and upper limit < 1.05.
- ➤ Uncertain no significant increase or decline, and unlikely trends are less than 5% per year. Criterion: confidence interval encloses 1.00 but lower limit < 0.95 or upper limit > 1.05.
- ➤ Moderate decline significant decline, but not significantly more than 5% per year. Criterion: 0.95 < upper limit of confidence interval < 1.00.
- > Steep decline decline significantly more than 5% per year (5% would mean a halving in abundance within 15 years). Criterion: upper imit of confidence interval < 0.95.

11 Index might be influenced by releases by hunters. For more details on species trends, including standard errors, see www.ebcc.info/trends2013.html.

4.08 1 -4 -0.73 — oth

	ropulation fielius of Collinio	iii Europ	ean breeum	y bii u	3 2013			
_			Long-term			Short-term		
Sp	ecies	Trend (%)	Ann. Change (%)	Class.	Trend (%)	Ann. Change (%)	Class.	Habitat
Cisticola juncidis	Zitting Cisticola 1,7				-21	0.12	_	oth
Clamator glandarius	Great Spotted Cuckoo 1,7,10				76	7.10	†	oth
Coccothraustes coccothraustes	Hawfinch 10	282	1.17	†	-30	-1.08	Ţ	for
Columba oenas	Stock Dove	45	0.91	1	45	1.38	_	for
Columba palumbus	Common Wood-pigeon	105	1.98	1	37	1.86	1	oth
Corvus corax	Common Raven	93	2.06	1	45	0.73	_	oth
Corvus corone & cornix	Carrion & Hooded Crow	21	0.60	1	5	0.39	_	oth
Corvus frugilegus	Rook	118	2.81	1	17	0.31	_	farm
Corvus monedula	Eurasian Jackdaw 10	20	-0.69	_	-19	-1.26	_	oth
Cuculus canorus	Common Cuckoo	-16	-1.13	1	-10	-0.55	_	oth
Cyanopica cyanus	Azure-winged Magpie 1,7				47	3.44	†	for
Cygnus olor	Mute Swan	18	1.81	†	33	1.47	†	oth
Delichon urbicum	Northern House-martin	-11	-1.41	Ţ	-12	-1.29	_	oth
Dendrocopos major	Great Spotted Woodpecker	61	1.66	1	20	2.02	†	oth
Dendrocopos medius	Middle Spotted Woodpecker ¹				-2	1.36	_	for
Dendrocopos minor	Lesser Spotted Woodpecker 10	-76	-3.27	?	-59	-4.10	?	for
Dendrocopos syriacus	Syrian Woodpecker 1,8				-53	-5.71	?	oth
Dryocopus martius	Black Woodpecker	103	1.49	1	43	1.80	_	for
Egretta garzetta	Little Egret 1,9				27	-0.60	_	oth
Emberiza cia	Rock Bunting 1,7				21	1.31	_	oth
Emberiza cirlus	Cirl Bunting 1				56	3.25	†	farm
Emberiza citrinella	Yellowhammer	-44	-1.50	1	-25	-0.90	1	farm
Emberiza hortulana	Ortolan Bunting 10	-86	-6.18	11	-46	-1.50	_	farm
Emberiza melanocephala	Black-headed Bunting 1,9				-34	-1.43	?	farm
Emberiza rustica	Rustic Bunting	-75	-5.64	1	-69	-7.78	11	for
Emberiza schoeniclus	Reed Bunting	-31	-0.80	1	-25	-1.15	Ţ	oth
Erithacus rubecula	European Robin	17	1.07	†	4	0.57	1	oth
Falco tinnunculus	Common Kestrel	-36	-0.95	1	-42	-2.84	Ţ	farm
Ficedula albicollis	Collared Flycatcher 3, 10	148	2.32	1	55	0.43	_	for
Ficedula hypoleuca	European Pied Flycatcher	-23	-1.18	1	-29	-1.62	Ţ	for
Fringilla coelebs	Eurasian Chaffinch	8	0.16	1	-4	-0.07	_	oth
Fringilla montifringilla	Brambling	-54	-2.64	1	-42	-3.32	Ţ	oth
Fulica atra	Common Coot 10	26	0.98	1	-5	-0.28	_	oth

-95 -59 en -20 22 4 409 atcher -5 -42 er 1 alllow 1.7 artin 1.7 -28 k 10 -62 ke -45	-2.36 0.33 0.81 5.56 -1.11 -1.67	† - † † †	0 71 -47 -15 31 253 -40 -12 -8 60 -3	4.63 3.37 -1.48 0.24 1.58 5.85 -2.21 -1.31 -0.50 0.79	?	oth for oth oth oth
en -20 22 4 409 atcher -5 -42 er 1 alllow 1.7 artin 1.7 -28 k 10 -62 ke -45	0.33 0.81 5.56 -1.11 -1.67	† † †	-47 -15 31 253 -40 -12 -8 60	-1.48 0.24 1.58 5.85 -2.21 -1.31 -0.50 0.79	† - † † †	oth oth for oth oth oth
en -20 22 4 409 atcher -5 -42 er 1 alllow 1.7 artin 1.7 -28 k 10 -62 ke -45	0.33 0.81 5.56 -1.11 -1.67	† † †	-15 31 253 -40 -12 -8 60	0.24 1.58 5.85 -2.21 -1.31 -0.50 0.79		oth for oth oth oth
22 409 atcher -5 -42 er ¹ alllow ^{1,7} artin ^{1,7} -28 k ¹⁰ -62 ke -45	0.81 5.56 -1.11 -1.67	† † ↓ ↓	31 253 -40 -12 -8 60	1.58 5.85 -2.21 -1.31 -0.50 0.79	† † † +	for oth oth oth
409 atcher -5 -42 er ¹ alllow ¹.7 artin ¹.7 -28 k ¹ 62 ee -45	5.56 -1.11 -1.67	† ↓	253 -40 -12 -8 60	5.85 -2.21 -1.31 -0.50 0.79	† + +	oth oth oth
er 1 ellow 1,7 ertin 1,7 -28 k 10 -62 ke -45	-1.11 -1.67 -0.67	1	-40 -12 -8 60	-2.21 -1.31 -0.50 0.79	<u></u> †	oth oth oth
-42 er ¹ allow ¹,⁻ artin ¹,⁻ -28 k ¹⁰ -62 ke -45	-1.67	1	-12 -8 60	-1.31 -0.50 0.79	<u> </u>	oth oth
er ¹ solitow ^{1,7} artin ^{1,7} -28 k ¹⁰ -62 ke -45	-0.67		-8 60	-0.50 0.79	_	oth
allow ^{1,7} ertin ^{1,7} -28 k ¹⁰ -62 ke -45			60	0.79		
-28 k 10 -62 ke -45					—	. ا د م
-28 k ¹⁰ -62 ke -45			-3	1.17		oth
k ¹⁰ -62 ke -45		1.0		/	_	oth
ke -45		Ţ	-35	-1.80	Ţ	farn
-	-2.83	1	-49	-2.04	1	oth
	-0.03	_	8	-0.07	_	farn
e 1,8			-66	-7.03	1	farn
1,7			8	-2.03	Ţ	farn
1			-25	-2.33	Ţ	oth
wit ⁴ -32	-2.81	1	-44	-3.38	Ţ	farn
arbler 3, 10 -62	-2.30	1	-51	-3.20	Ţ	oth
per-warbler -46	-1.08	_	-21	-1.44	Ţ	oth
38	2.33	?	37	0.49	_	oth
ale -21	-0.22	_	-29	-0.72	_	oth
ngale -61	-1.66	1	0	0.52	_	oth
throat 1,6			-20	-2.77	?	oth
			-34	-4.22	1	farn
iter 1			81	-0.28	?	oth
-61	-3.03	1	-19	-1.22	_	farn
-8	-0.34	_	-24	-0.67	_	oth
					Ţ	oth
-42			9	-0.18		farn
			-9		_	oth
			-		_	for
						oth
		-				oth
	3.31					farn
	-3.26	Ţ			Ţ	oth
ear 10 -60					_	oth
i i	-61 -8 -7 -42 eer -36	-61 -3.03 -8 -0.34 -7 0.06 -42 -2.56 -9 -1.48 -9 -1.57	rater 1 -61 -3.03 \ \ -8 -0.34 - \ \ -7 0.06 - \ \ -42 -2.56 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-34 ater 1 -61 -3.03 -7 -8 -0.34 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	-34 -4.22 ater 1 81 -0.28 -61 -3.03 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-34 -4.22 ↓ ater ¹ 81 -0.28 ? -61 -3.03 ↓ -19 -1.22 — -8 -0.34 — -24 -0.67 — -7 0.06 — -43 -1.54 ↓ -42 -2.56 ↓ 9 -0.18 — ater -36 -1.48 ↓ -9 -0.56 — ker 64 0.16 — -44 -1.87 — -45 -1.57 ↓ -29 -1.96 ↓ 30 0.51 — 67 1.76 † ater ¹¹ -23 -1.99 ↓ ater ¹¹ -60 -3.26 ↓ -63 -3.34 ↓

	ocios		Long-term		Short-term			 Habi
>p	ecies	Trend (%)	Ann. Change (%)	Class.	Trend (%)	Ann. Change (%)	Class.	Habi
Parus ater	Coal Tit	-3	-0.52	Ţ	-16	-1.14	Ţ	fo
Parus caeruleus	Blue Tit	39	1.43	1	29	1.74	1	ot
Parus cristatus	Crested Tit	-46	-1.36	1	-41	-1.55	1	fo
Parus major	Great Tit	17	0.41	1	18	0.92	1	ot
Parus montanus	Willow Tit	-62	-3.10	1	-43	-1.90	1	fo
Parus palustris	Marsh Tit	-27	-1.27	1	0	0.45	_	fo
Passer domesticus	House Sparrow	-63	-2.14	1	-8	-0.33	_	otl
Passer montanus	Eurasian Tree Sparrow	-59	-2.00	1	-15	-1.68	1	farı
Perdix perdix	Grey Partridge	-94	-9.91	↓ ↓	-90	-11.81	11	farı
Petronia petronia	Rock Sparrow 1,7				18	1.07	_	farı
Phasianus colchicus	Common Pheasant 11	48	1.05	1	19	1.00	†	otl
Phoenicurus ochruros	Black Redstart 3, 10	62	1.04	†	3	0.17	_	otl
Phoenicurus phoenicurus	Common Redstart	18	0.91	†	62	1.71	†	fo
Phylloscopus bonelli	Bonelli's Warbler 1				-24	-1.01	_	fo
Phylloscopus collybita	Common Chiffchaff	98	1.91	†	-8	-0.35	1	fo
Phylloscopus sibilatrix	Wood Warbler	-35	-2.37	1	-36	-2.86	1	fo
Phylloscopus trochilus	Willow Warbler	-31	-1.50	1	-30	-1.56	1	otl
Pica pica	Black-billed Magpie	1	-1.04	1	-42	-3.26	Ţ	otl
Picus canus	Grey-faced Woodpecker 3, 10	246	2.25	?	-24	-1.41	_	foi
icus viridis	Eurasian Green Woodpecker	38	2.56	t	39	2.45	t	otl
Pluvialis apricaria	Eurasian Golden-plover 2, 10	24	-0.21	_	121	1.74	†	otl
Podiceps cristatus	Great Crested Grebe 1				-9	-0.81	_	ot
Prunella modularis	Hedge Accentor	-36	-1.17	1	-20	-0.78	1	ot
Pyrrhocorax pyrrhocorax	Red-billed Chough 1,7				10	0.62	_	otl
Pyrrhula pyrrhula	Eurasian Bullfinch	-50	-1.62	1	-29	-2.60	Ţ	fo
Regulus ignicapilla	Firecrest 3, 10	-24	-0.27	_	-36	-0.22	_	fo
Regulus regulus	Goldcrest	-49	-1.80	↓	-62	-3.13	Ţ	fo
Saxicola rubetra	Whinchat	-71	-2.19	1	-24	-0.83	_	far
Saxicola torquatus	Common Stonechat 1				34	0.20	_	far
Serinus serinus	European Serin 3, 10	-39	-2.74	Ţ	-34	-2.27	Ţ	far
Sitta europaea	Wood Nuthatch	76	1.48	1	-9	0.27	_	fo
Streptopelia decaocto	Eurasian Collared-dove	88	1.68	1	151	4.28	†	otl
Streptopelia turtur	European Turtle-dove	-74	-3.90	1	-30	-1.21	1	farı

Sturnus unicolor	Spotless Starling 1,7				12	1.63	†	farm
Sturnus vulgaris	Common Starling	-52	-1.86	Ţ	-6	-0.79	Ţ	farm
Sylvia atricapilla	Blackcap	150	3.02	†	58	2.54	†	oth
Sylvia borin	Garden Warbler	-12	-0.68	1	-12	-0.68	Į.	oth
Sylvia cantillans	Subalpine Warbler ¹				99	4.99	†	oth
Sylvia communis	Common Whitethroat	43	1.05	1	22	0.36	—	farm
Sylvia curruca	Lesser Whitethroat	-19	0.14	—	5	0.02	_	oth
Sylvia hortensis	Orphean Warbler 1				120	8.75	† †	oth
Sylvia melanocephala	Sardinian Warbler 1				106	1.29	—	oth
Sylvia nisoria	Barred Warbler 3, 10	-69	-4.11	?	-64	-4.23	Į.	oth
Sylvia undata	Dartford Warbler 1,7				-17	-3.06	Ţ	oth
Tachybaptus ruficollis	Little Grebe 1				-20	-0.43	_	oth
Tetrao tetrix	Black Grouse 1,6				-20	0.52	_	oth
Tetrax tetrax	Little Bustard 1,7				-41	-2.40	1	farm
Tringa glareola	Wood Sandpiper	-4	-0.60	—	52	-0.27	_	oth
Tringa nebularia	Common Greenshank 1,7				2	-0.53	_	oth
Tringa ochropus	Green Sandpiper 10	11	0.83	—	8	0.31	_	for
Tringa totanus	Common Redshank	-47	-2.28	1	-40	-2.82	1	oth
Troglodytes troglodytes	Winter Wren	20	1.38	†	-15	0.69	1	oth
Turdus iliacus	Redwing	-22	-0.38	1	-20	-0.17	—	oth
Turdus merula	Eurasian Blackbird	20	1.12	1	19	0.94	1	oth
Turdus philomelos	Song Thrush	5	0.43	1	28	1.20	1	oth
Turdus pilaris	Fieldfare	-13	-0.06	—	-49	-1.66	1	oth
Turdus torquatus	Ring Ouzel 1,7				-3	-0.56	_	oth
Turdus viscivorus	Mistle Thrush	-20	-0.78	1	-7	-0.41	_	for
Upupa epops	Eurasian Hoopoe 3, 10	140	3.47	?	-22	0.65	_	farm
Vanellus vanellus	Northern Lapwing	-48	-2.77	1	-31	-1.93	1	farm

Species names: BirdLife International (2011). The BirdLife checklist of the birds of the world, with conservation status and taxonomic sources. Version 4.

Table with species names sorted by taxonomy can be found on www.ebcc.info/trends2013.html.



Species		Long-term				Habitat		
Sp	ecies	Trend (%)	Ann. Change (%)	Class.	Trend (%)	Ann. Change (%)	Class.	Habitat
Accipiter nisus	Eurasian Sparrowhawk 10	11	-0.19	_	-23	-2.18	?	for
Acrocephalus arundinaceus	Great Reed-warbler 3, 10	13	1.10	_	-52	-1.68	1	oth
Acrocephalus palustris	Marsh Warbler	7	-0.21	_	-20	0.22	_	oth
Acrocephalus schoenobaenus	Sedge Warbler	-14	0.08	_	4	0.21	_	oth
Acrocephalus scirpaceus	Eurasian Reed-warbler	-1	-0.13	_	-1	-0.48	_	oth
Actitis hypoleucos	Common Sandpiper	-20	-1.31	1	-17	-1.15	1	oth
Aegithalos caudatus	Long-tailed Tit	52	0.81	_	-14	0.54	_	oth
Alauda arvensis	Eurasian Skylark	-51	-1.81	1	-29	-1.68	1	farm
Alectoris rufa	Red-legged Partridge 1,7				-18	-0.68	1	farm
Anas platyrhynchos	Mallard 11	64	0.93	1	-3	-0.30	_	oth
Anthus campestris	Tawny Pipit 1,5,10				-64	-2.32	?	farm
Anthus pratensis	Meadow Pipit	-68	-2.80	1	-57	-3.96	1	farm
Anthus trivialis	Tree Pipit	-54	-2.52	1	-38	-1.94	1	for
Apus apus	Common Swift	-3	-0.07	—	10	1.15	_	oth
Ardea cinerea	Grey Heron	161	2.66	1	19	1.54	1	oth
Bombycilla garrulus	Bohemian Waxwing 1				169	10.71	11	for
Bonasa bonasia	Hazel Grouse	-9	-0.91	—	1	-0.78	_	for
Bubulcus ibis	Cattle Egret 1,7				30	-0.77	—	farm
Burhinus oedicnemus	Eurasian Thick-knee 1,7				-19	0.43	_	farm
Buteo buteo	Common Buzzard	92	2.26	1	-18	-0.80	—	oth
Calandrella brachydactyla	Greater Short-toed Lark 1,7				6	-0.24	—	farm
Calcarius lapponicus	Lapland Longspur 1,9				-46	-2.90	?	oth
Carduelis cannabina	Eurasian Linnet	-63	-3.25	1	-54	-4.43	1	farm
Carduelis carduelis	European Goldfinch	4	2.20	†	6	-0.08	—	oth
Carduelis chloris	European Greenfinch	29	0.50	1	-18	-0.63	_	oth
Carduelis flammea	Common Redpoll	-70	-2.00	1	-23	-1.01	1	oth
Carduelis spinus	Eurasian Siskin	11	-0.96	1	-3	-1.69	1	for
Carpodacus erythrinus	Common Rosefinch	-24	-0.88	1	-49	-3.22	Ţ	oth
Certhia brachydactyla	Short-toed Treecreeper 3, 10	-7	1.75	1	39	2.60	1	for
Certhia familiaris	Eurasian Treecreeper	-10	-0.31	_	-3	-0.86	Ţ	for
Cettia cetti	Cetti's Warbler 1				486	3.44	1	oth
Ciconia ciconia	White Stork	53	1.33	1	50	1.53	1	farm

Biomonitoring 2013.indd 2 12.7.2013 18:16:14

