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Little Owl (Foto: Astrid Eckenfels)



## Vogelwarte Radolfzell General Report 2003 and Ringing / Recovery Figures 2000 - 2002



by Wolfgang Fiedler,

## General Items

The Radolfzell Bird Ringing Centre is an integrated part of the Max Planck Research Centre for Ornithology. This institute consists of 2 separate acting but closely interlinked departments, „Biological Rhythms and Behaviour“ (Director: Prof. Dr. E. Gwinner; Andechs) and „Vogelwarte Radolfzell“ (Director: Prof. Dr. P. Berthold; Radolfzell). The ringing centre is located at Vogelwarte Radolfzell which is the direct successor of former „Vogelwarte Rossitten“ which itself has been founded in 1901 and was the first institute where scientific bird ringing has been performed at a large scale level.

The last two years were imprinted by the forthcoming replacement of both emeriting directors which will take part in 2004. Within Max Planck Society change of a director mostly goes together with massive changes and reorganisations in the structure of the institute and not seldom whole institute's branches (or even institutes) are closed to bundle resources on other, new research areas. Therefore it was most important to take care of the future of the ringing centre. By summer 2003 not all decisions are made yet, but it seems that it is not too early to have a very positive look from the perspective of the ringing centre.

The ringing scheme is mainly engaged in the research areas of avian migration, population dynamics, mechanisms and implications of habitat selection, eco-morphology and basic research devoted to conservation measures. This is done not only with data maintenance and delivery to third parties, but also with own analysis. Dr. Wolfgang Fiedler is in the position of the scientific head of the ringing centre since March 2000 and worked within this area since 1993 at the institute. Currently he works together with 4 part-time workers (altogether a 4/5 technical position) and approximately 300 amateur ringers and 150 volunteer co-workers at ringing field stations.

Bird ringing in Austria is still supported with rings from Radolfzell. There had been considerable efforts of the Austrian colleagues to set up their own ringing scheme recently, but up to now the support of Austrian officials and the administration was not strong enough to set up a stable financial base in this last European country without national ringing centre.

Today the Radolfzell Ringing Scheme is one out of three closely co-operating bird ringing centres in Germany (Helgoland, Hiddensee, Radolfzell) and is responsible for scientific bird

ringing in southern Germany (Saarland, Rheinland-Pfalz, Baden-Württemberg, Bayern), Berlin and Austria. Management of bird ringing in the southern part of former German Democratic Republic has been assigned to Vogelwarte Hiddensee in 1964.

## **Modernisation**

Development and introduction of the ringing and recovery database system RINGZENT are completed. Processing of ring recoveries and management of the ring stock has been completely migrated to the new system. Currently we reached about 60% of the ringing data to be entered by the ringers using the component RING at their home computers and sending the data on disc or by e-mail to the Ringing Centre for easy import into the database. New ringers do not have the option to send their data on paper and after a certain time it will be obligatory for all ringers to send data exclusively in the intended digital format.

In a similar way observers (not only ringers) can enter their data of studies in breeding biology with the software NEST at home and send it by electronic means to the Breeding Biology Database at the Ringing Centre. This data is stored so far on 64,500 registration cards which makes access to larger datasets very slow and time consuming.

All relevant manuals, infosheets and software can be downloaded by the ringers via the homepage of Vogelwarte Radolfzell (<http://vowa.ornithol.mpg.de>).

100% of foreign ring recoveries (currently ca. 48.000) and ringing and recovery totals for all years and all species since 1947 are now available in electronic form for quick access and data delivery. For some selected species (e.g. White Stork) data from the period before World War II (Rossitten data) has been reconstructed and entered into the database. Reconstruction of several more species data will be finished soon (registration cards already available for recherches). In addition, digital morphological and phenological data of 500 000 passerines from bird ringing stations can also be delivered rapidly.

The ELSA ring is getting established in European White Stork ringing. for more information see

<http://vowa.ornithol.mpg.de/storchring/ELSA-Start.html>

## **Focus Activities**

The ringing centre is currently mainly engaged in the following programs and projects:

- Integrated Monitoring of Songbirds (together with Helgoland and Hiddensee);
- (former) EURING - Barn Swallow Project, in Germany extended;
- Long-term population studies, breeding biology, migration and dispersal of selected breeding bird species;
- Nest Record Database (breeding biology of selected bird species);
- Breeding biology and population dynamics of cavity nesting birds;
- Long-term studies at migration stopover sites of songbirds (ringing fieldstation Mettnau [since 1972], Galenbeck [1991 – 2000], cooperation with partners in Northern Germany and Russia)
- Joint Vogelwarte Radolfzell – EURING Migration Project (large-scale data analysis of selected species);
- Further analysis and maintenance of the satellite tracking data gained during the last 10 years at the institute, mainly within the White Stork migration project;
- Exploring interfaces between bird ringing and other marking techniques by case-studies: following dispersal and stopover behaviour of songbirds by terrestrial radio tracking; use of stable isotopes.

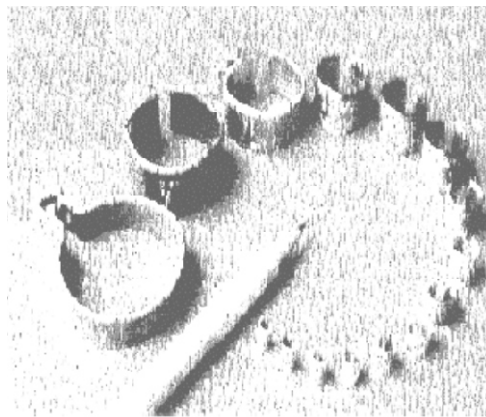
## **For ringing and recovery numbers**

Please see following pages.

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## Notes

The tables contain all ringing data stored in either electronic or paper-based databases at Vogelwarte Radolfzell. Due to corrections and delayed reports numbers can be subject to future changes.

"Recoveries" mean all findings of a ringed bird (Radolfzell-Ring) which is available in digital form at time of reporting. Since the last years more and more "own retraps" of ringers are available in electronic form.

Species coding follows the (suggested) EURING 2000 Code. Nestlings and fullgrown birds are divided in the statistics only since 1962.

In the list also some "Hybrids" are included. They are marked with "Hyb" because ringed individuals either are identified as real hybrids or they were offsprings of a mixed pair with unproved paternity.

# Vogelwarte Radolfzell Ringing & Recovery Report 2000 - 2002



Compiled by Wolfgang Fiedler,  
Anne Bär, Ute Hückler and Silvia Maaß

## DER - Vogelwarte Radolfzell (Germany): Ringing & Recovery Report 2000 - 2002

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
02670	<i>Accipiter gentilis</i>	2 123	670	3 637	494	78	12	7	70	23	8	5	9	15
02690	<i>Accipiter nisus</i>	2 593	1 242	5 056	349	34	38	5	34	33	1	20	26	1
55031	<i>Acroceph. arundinaceus X scirpaceus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
12470	<i>Acrocephalus agricola</i>	0	2 025	2 025	0	0	0	0	0	0	0	0	0	0
12530	<i>Acrocephalus arundinaceus</i>	5 005	13 974	25 134	1 322	106	82	43	34	135	31	0	123	113
20900	<i>Acrocephalus baetica</i>	0	22	22	0	0	0	0	0	0	0	0	0	0
12490	<i>Acrocephalus brevipennis</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
12480	<i>Acrocephalus dumetorum</i>	0	123	123	0	0	0	0	0	1	0	0	0	0
12410	<i>Acrocephalus melanopogon</i>	39	9 282	11 100	472	0	3	1	0	2	4	0	13	0
12420	<i>Acrocephalus paludicola</i>	20	148	252	5	0	1	0	0	0	0	0	0	1
12500	<i>Acrocephalus palustris</i>	6 071	35 708	44 078	478	34	403	7	63	1 276	29	27	854	104
12430	<i>Acrocephalus schoenobaenus</i>	111	41 742	46 628	2 389	0	237	7	1	624	11	1	400	43
12510	<i>Acrocephalus scirpaceus</i>	10 388	188 972	223 057	29 704	242	2 950	606	176	3 388	686	76	1 075	655
12549	<i>Acrocephalus sp.</i>	0	24	24	0	0	0	0	0	24	0	0	0	0
12520	<i>Acrocephalus stentoreus</i>	0	13	13	0	0	0	0	0	0	0	0	8	0
05560	<i>Actitis hypoleucos</i>	20	3 070	6 464	87	0	1	0	0	13	0	0	13	0
14370	<i>Aegithalos caudatus</i>	629	6 263	11 028	232	0	202	44	0	222	27	0	106	62
14371	<i>Aegithalos caudatus caudatus</i>	0	2	2	0	0	0	0	0	0	0	0	2	0
14375	<i>Aegithalos caudatus rosaceus</i>	0	2	2	0	0	0	0	0	0	0	0	2	0
07700	<i>Aegolius funereus</i>	2 718	562	3 361	78	174	30	2	191	32	14	368	70	25
02550	<i>Aegypius monachus</i>	1	0	1	0	0	0	0	0	0	0	0	0	0
09760	<i>Alauda arvensis</i>	1 719	768	3 972	10	1	2	0	6	1	0	2	0	0
08310	<i>Alcedo atthis</i>	254	3 573	5 085	151	48	61	3	38	144	22	44	61	8
14210	<i>Alcippe ruficapilla</i>	12	0	12	0	0	0	0	0	0	0	12	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
03570	<i>Alectoris graeca</i>	0	10	10	0	0	0	0	0	0	0	0	0	0
09570	<i>Ammomanes deserti</i>	0	24	24	0	0	0	0	0	0	0	0	0	0
01890	<i>Anas acuta</i>	0	45	46	2	0	0	0	0	0	0	0	0	0
01940	<i>Anas clypeata</i>	23	71	117	10	0	0	0	0	0	0	0	0	0
01840	<i>Anas crecca</i>	10	708	743	99	0	0	0	0	0	0	0	2	0
01790	<i>Anas penelope</i>	0	42	42	0	0	0	0	0	0	0	0	0	0
01860	<i>Anas platyrhynchos</i>	1 775	5 737	8 880	987	13	24	7	0	2	18	14	48	21
01910	<i>Anas querquedula</i>	0	172	184	11	0	0	0	0	0	0	0	0	0
01820	<i>Anas strepera</i>	67	3 043	3 117	380	0	0	0	0	0	0	0	0	0
21000	<i>Andropadus importunus</i>	0	6	6	0	0	0	0	0	0	0	0	0	0
06300	<i>Anous stolidus</i>	435	536	971	0	0	0	0	0	0	0	0	0	0
01590	<i>Anser albifrons</i>	0	0	1	0	0	0	0	0	0	0	0	0	0
01610	<i>Anser anser</i>	795	30	846	216	0	27	5	0	19	0	0	0	2
01570	<i>Anser fabalis</i>	0	6	9	1	0	0	0	0	0	0	0	0	0
01620	<i>Anser indicus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
55040	<i>Anser indicus X Branta leucopsis</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
14920	<i>Anthreptes metallicus</i>	0	6	6	0	0	0	0	0	0	0	0	0	0
10050	<i>Anthus campestris</i>	92	48	259	0	0	0	0	0	0	0	0	1	0
10120	<i>Anthus cervinus</i>	0	26	29	0	0	0	0	0	0	0	0	0	0
10020	<i>Anthus novaeseelandiae</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
10110	<i>Anthus pratensis</i>	648	957	2 549	7	0	13	0	4	25	0	9	4	0
10140	<i>Anthus spinoletta</i>	1 270	1 686	3 284	8	0	0	0	4	0	0	0	0	2
10142	<i>Anthus spinoletta petrosus</i>	0	8	8	0	0	1	0	0	7	0	0	0	0
10141	<i>Anthus spinoletta spinoletta</i>	30	28	58	0	0	1	0	0	0	0	0	0	0
10090	<i>Anthus trivialis</i>	2 036	2 595	7 658	11	8	18	0	1	12	0	0	14	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
07950	<i>Apus apus</i>	6 500	9 628	22 631	371	162	222	36	165	52	21	219	69	34
07980	<i>Apus melba</i>	751	110	915	7	18	1	1	0	2	0	3	0	0
07960	<i>Apus pallidus</i>	0	9	9	0	0	0	0	0	0	0	0	0	0
02960	<i>Aquila chrysaetos</i>	112	12	126	6	0	0	0	2	0	0	2	1	0
02930	<i>Aquila clanga</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
02950	<i>Aquila heliaca</i>	0	1	1	1	0	0	0	0	0	0	0	0	0
02920	<i>Aquila pomarina</i>	3	0	9	0	0	0	0	0	0	0	0	0	0
01220	<i>Ardea cinerea</i>	981	51	3 981	567	0	0	0	0	0	1	0	0	0
01240	<i>Ardea purpurea</i>	498	3	817	50	0	0	0	0	0	0	0	0	0
01080	<i>Ardeola ralloides</i>	19	0	168	0	0	0	0	0	0	0	0	0	0
05610	<i>Arenaria interpres</i>	2	12	16	0	0	0	0	0	0	0	0	0	0
07680	<i>Asio flammeus</i>	61	13	96	9	0	0	0	0	0	0	0	0	0
07670	<i>Asio otus</i>	1 913	793	4 579	212	3	24	1	2	17	1	2	12	1
07570	<i>Athene noctua</i>	13 903	1 584	16 108	731	836	67	47	1 056	65	58	796	60	66
01980	<i>Aythya ferina</i>	276	391	1 074	92	0	0	0	0	0	0	0	0	0
02030	<i>Aythya fuligula</i>	114	1 879	1 997	189	0	0	0	0	0	0	0	0	0
02040	<i>Aythya marila</i>	0	5	5	0	0	0	0	0	0	0	0	0	0
02020	<i>Aythya nyroca</i>	0	6	6	0	0	0	0	0	0	0	0	0	0
21100	<i>Batis senegalensis</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
10480	<i>Bombycilla garrulus</i>	0	2 946	3 432	83	0	0	0	0	33	0	0	0	0
00950	<i>Botaurus stellaris</i>	9	22	167	22	0	1	0	0	0	0	0	0	0
01670	<i>Branta leucopsis</i>	3	3	6	1	0	2	0	0	0	1	0	0	0
07440	<i>Bubo bubo</i>	1 771	162	1 999	198	30	2	6	11	9	4	38	6	13
01110	<i>Bubulcus ibis</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
16760	<i>Bucanetes githagineus</i>	0	6	6	0	0	0	0	0	0	0	0	0	0



Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
02180	<i>Bucephala clangula</i>	46	21	99	5	0	0	0	0	0	0	0	0	0
04590	<i>Burhinus oedicnemus</i>	1	0	15	1	0	0	0	0	0	0	0	0	0
02870	<i>Buteo buteo</i>	3 545	2 304	9 343	1 403	29	119	7	72	130	10	0	66	19
02871	<i>Buteo buteo buteo</i>	31	25	56	0	0	0	0	0	0	0	31	25	0
02872	<i>Buteo buteo vulpinus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
02900	<i>Buteo lagopus</i>	7	7	17	0	0	0	0	0	0	0	0	0	0
09680	<i>Calandrella brachydactyla</i>	0	23	23	0	0	0	0	0	0	0	0	15	0
09700	<i>Calandrella rufescens</i>	0	4	4	0	0	0	0	0	0	0	0	0	0
18470	<i>Calcarius lapponicus</i>	2	34	37	0	0	0	0	0	0	0	0	0	0
05080	<i>Calidris acuminata</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
04970	<i>Calidris alba</i>	0	19	20	1	0	0	0	0	0	0	0	0	0
05120	<i>Calidris alpina</i>	7	608	797	33	0	1	0	0	0	0	0	1	0
04960	<i>Calidris canutus</i>	0	10	13	0	0	0	0	0	0	0	0	0	0
05090	<i>Calidris ferruginea</i>	31	221	280	2	0	1	0	0	0	0	0	0	0
05070	<i>Calidris melanotos</i>	7	4	14	0	0	0	0	0	0	0	0	0	0
05010	<i>Calidris minuta</i>	380	1 220	1 810	13	0	0	0	0	0	0	0	1	0
05020	<i>Calidris temminckii</i>	27	102	139	1	0	0	0	0	0	0	0	0	0
21200	<i>Camaroptera brachyura</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
07780	<i>Caprimulgus europaeus</i>	105	64	255	22	2	2	6	2	0	0	0	0	0
16600	<i>Carduelis cannabina</i>	5 768	11 134	35 228	193	12	26	0	10	191	0	9	15	0
16530	<i>Carduelis carduelis</i>	1 910	42 012	62 621	390	5	691	1	5	717	7	0	539	6
16490	<i>Carduelis chloris</i>	5 369	35 680	65 473	538	27	656	1	10	1 002	7	13	995	8
16630	<i>Carduelis flammea</i>	99	20 629	21 262	148	0	257	1	0	205	3	0	225	2
16634	<i>Carduelis flammea cabaret</i>	0	434	434	1	0	20	0	0	59	0	0	109	0
16631	<i>Carduelis flammea flammea</i>	0	30	30	0	0	0	0	0	1	0	0	5	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
16620	<i>Carduelis flavirostris</i>	0	139	249	2	0	0	0	0	0	0	0	0	0
16540	<i>Carduelis spinus</i>	66	102 361	130 227	924	0	3 437	8	0	1 218	10	0	1 323	5
55080	<i>Carduelis spinus hybrid</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
16790	<i>Carpodacus erythrinus</i>	59	258	317	0	0	0	0	0	0	0	0	1	0
99901	<i>Centropus grillii</i>	78	65	143	0	0	0	0	42	27	0	36	38	0
10950	<i>Cercotrichas galactotes</i>	0	64	64	0	0	0	0	0	0	0	0	0	0
14870	<i>Certhia brachydactyla</i>	1 435	1 549	4 169	78	17	91	16	19	69	10	8	8	11
14860	<i>Certhia familiaris</i>	1 189	584	2 768	15	19	20	3	17	16	0	0	17	1
12200	<i>Cettia cetti</i>	0	259	260	0	0	0	0	0	0	0	0	0	0
04770	<i>Charadrius alexandrinus</i>	1 367	1 377	2 757	7	41	21	0	0	0	0	0	0	0
04690	<i>Charadrius dubius</i>	1 414	773	2 811	46	0	4	0	4	4	0	4	2	0
04700	<i>Charadrius hiaticula</i>	24	117	256	6	0	0	0	0	0	0	0	1	0
04820	<i>Charadrius morinellus</i>	183	78	261	14	0	0	0	0	0	0	0	0	0
04760	<i>Charadrius pecuarius</i>	9	0	9	0	0	0	0	0	0	0	0	0	0
06280	<i>Chlidonias leucopterus</i>	0	19	19	0	0	0	0	0	0	0	0	0	0
06270	<i>Chlidonias niger</i>	60	7	184	2	0	0	0	0	0	0	0	0	0
99902	<i>Chrysococcyx basalis</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
01340	<i>Ciconia ciconia</i>	16 715	315	27 126	3 755	739	7	291	697	3	389	472	13	0
01310	<i>Ciconia nigra</i>	25	3	67	9	0	1	0	2	0	0	0	0	0
10500	<i>Cinclus cinclus</i>	11 991	3 058	16 869	287	189	11	24	197	18	17	152	18	16
02560	<i>Circaetus gallicus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
02600	<i>Circus aeruginosus</i>	597	24	1 341	86	0	0	0	0	1	0	0	1	0
02610	<i>Circus cyaneus</i>	10	10	45	3	0	0	0	0	0	0	0	0	0
02630	<i>Circus pygargus</i>	584	0	607	16	128	0	1	66	0	2	76	0	1
12260	<i>Cisticola juncidis</i>	0	22	22	0	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
07160	<i>Clamator glandarius</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
02120	<i>Clangula hyemalis</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
17170	<i>Coccothraustes coccothraustes</i>	460	16 955	20 388	382	0	791	9	0	106	6	0	170	6
06650	<i>Columba livia</i>	0	39	39	0	0	0	0	0	0	0	0	0	0
06680	<i>Columba oenas</i>	3 762	105	4 066	154	26	0	1	23	1	2	31	2	0
06700	<i>Columba palumbus</i>	485	266	1 470	93	0	10	0	0	2	1	0	24	0
08410	<i>Coracias garrulus</i>	40	2	175	1	0	0	0	0	0	0	4	0	1
15720	<i>Corvus corax</i>	281	69	353	3	19	0	1	12	1	0	10	0	0
15670	<i>Corvus corone</i>	15	15	30	0	0	0	0	0	0	0	14	4	0
15673	<i>Corvus corone cornix</i>	53	126	265	26	0	17	0	1	0	0	0	8	0
15671	<i>Corvus corone corone</i>	380	812	1 975	154	0	12	0	9	2	0	0	0	0
15630	<i>Corvus frugilegus</i>	226	17 147	18 175	787	0	1	0	0	5	0	0	1	0
15600	<i>Corvus monedula</i>	8 729	1 153	12 004	226	524	2	6	356	18	8	487	3	9
15603	<i>Corvus monedula spermologus</i>	180	0	180	0	0	0	0	98	0	0	82	0	0
15620	<i>Corvus splendens</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
20340	<i>Cossypha natalensis</i>	2	2	4	0	0	0	0	0	0	0	0	0	0
21400	<i>Cossypha niveicapilla</i>	0	4	4	0	0	0	0	0	0	0	0	0	0
03700	<i>Coturnix coturnix</i>	1	33	69	0	0	2	0	0	2	0	0	1	0
04210	<i>Crex crex</i>	26	192	221	2	0	9	0	0	4	0	0	2	0
07240	<i>Cuculus canorus</i>	430	215	1 149	13	8	2	0	3	2	0	2	0	0
01540	<i>Cygnus cygnus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
01520	<i>Cygnus olor</i>	29	2 353	2 446	470	0	8	4	0	244	10	2	196	33
10010	<i>Delichon urbica</i>	67 224	19 421	107 350	248	236	19	1	207	23	48	313	90	67
55020	<i>Delichon urbica X Hirundo rustica</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
08840	<i>Dendrocopos leucotos</i>	3	3	11	0	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
08760	<i>Dendrocopos major</i>	513	3 438	5 632	152	6	80	15	0	61	25	0	39	14
08830	<i>Dendrocopos medius</i>	26	291	437	11	0	3	0	0	4	2	0	1	4
08870	<i>Dendrocopos minor</i>	20	381	522	57	0	9	13	0	8	7	0	5	7
08780	<i>Dendrocopos syriacus</i>	23	21	44	0	0	0	0	0	0	0	0	0	0
21500	<i>Dicrurus adsimilis</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
08630	<i>Dryocopus martius</i>	1 032	35	1 234	12	0	0	0	0	1	0	0	0	0
21600	<i>Dryoscopus senegalensis</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
01210	<i>Egretta alba</i>	352	0	504	64	0	0	0	0	0	0	0	0	0
01190	<i>Egretta garzetta</i>	90	0	356	0	0	0	0	0	0	0	32	0	0
01180	<i>Egretta gularis</i>	5	0	5	0	0	0	0	0	0	0	0	0	0
21700	<i>Elminia longicauda</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
18680	<i>Emberiza caesia</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
18600	<i>Emberiza cia</i>	72	148	263	1	4	0	0	0	0	0	0	0	0
18580	<i>Emberiza cirrus</i>	172	274	456	0	0	1	0	0	0	0	0	0	0
18570	<i>Emberiza citrinella</i>	5 179	40 294	64 742	201	40	336	0	20	377	0	4	268	16
18660	<i>Emberiza hortulana</i>	267	70	460	0	0	0	0	0	2	0	0	1	0
18560	<i>Emberiza leucocephala</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
18810	<i>Emberiza melanocephala</i>	0	15	15	0	0	0	0	0	0	0	0	0	0
18740	<i>Emberiza pusilla</i>	0	9	9	0	0	0	0	0	1	0	0	0	0
18770	<i>Emberiza schoeniclus</i>	1 693	99 152	110 466	630	14	1 917	0	22	2 870	0	22	2 039	0
17150	<i>Eophona migratoria</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
09780	<i>Eremophila alpestris</i>	156	25	199	0	0	0	0	0	0	0	0	0	0
10990	<i>Erithacus rubecula</i>	7 843	101 173	136 711	5 707	323	2 219	220	142	2 256	205	176	1 185	188
16150	<i>Estrilda astrild</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
03140	<i>Falco biarmicus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
03160	<i>Falco cherrug</i>	3	31	36	1	0	0	0	0	0	0	0	0	0
03090	<i>Falco columbarius</i>	0	5	10	2	0	0	0	0	0	0	0	0	0
03030	<i>Falco naumanni</i>	1 509	95	2 738	52	0	0	0	0	0	0	0	0	0
03200	<i>Falco peregrinus</i>	4 420	42	4 558	420	166	5	28	142	3	25	116	6	31
03100	<i>Falco subbuteo</i>	746	58	1 254	68	5	2	0	3	3	0	0	1	0
03040	<i>Falco tinnunculus</i>	23 493	4 618	35 097	1 452	1 356	152	66	1 159	197	57	1 291	105	63
03070	<i>Falco vespertinus</i>	4	19	26	0	0	0	0	0	0	0	0	0	0
55002	<i>Ficedula Backcrossing XX</i>	17	1	18	0	6	0	0	6	1	0	0	0	0
13480	<i>Ficedula albicollis</i>	35 695	3 160	47 806	103	1 693	46	10	1 687	45	4	576	28	12
55000	<i>Ficedula albicollis X hypoleuca</i>	109	3	112	0	5	0	0	10	0	0	0	0	0
13490	<i>Ficedula hypoleuca</i>	107 456	16 002	172 343	671	1 162	211	42	754	276	13	478	88	6
55001	<i>Ficedula hypoleuca X albicollis</i>	73	2	75	0	0	0	0	21	2	0	0	0	0
13430	<i>Ficedula parva</i>	64	587	668	0	0	1	0	0	0	0	0	0	0
13470	<i>Ficedula semitorquata</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
16360	<i>Fringilla coelebs</i>	2 394	56 392	79 165	432	25	744	23	23	854	32	8	450	47
16380	<i>Fringilla montifringilla</i>	0	78 324	96 915	518	0	488	1	0	1 181	3	0	443	3
04290	<i>Fulica atra</i>	924	2 621	4 697	341	0	0	0	0	0	0	0	6	0
05200	<i>Gallinago media</i>	0	9	13	0	0	0	0	0	0	0	0	0	0
09720	<i>Galerida cristata</i>	289	72	581	3	0	0	0	0	0	0	0	0	0
05190	<i>Gallinago gallinago</i>	41	1 746	2 142	190	0	3	1	0	12	0	0	9	1
04240	<i>Gallinula chloropus</i>	289	1 850	2 568	66	0	6	1	0	5	0	0	0	0
15390	<i>Garrulus glandarius</i>	414	3 175	5 064	276	0	55	10	0	27	1	0	46	3
00030	<i>Gavia arctica</i>	0	10	15	12	0	0	0	0	0	0	0	0	0
00040	<i>Gavia immer</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
00020	<i>Gavia stellata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
01400	<i>Geronticus eremita</i>	16	6	22	1	0	4	0	0	2	0	0	0	0
04650	<i>Glareola pratincola</i>	3	6	9	0	0	0	0	0	0	0	0	0	0
07510	<i>Glaucidium passerinum</i>	53	46	99	1	3	0	0	0	0	0	0	0	0
04330	<i>Grus grus</i>	0	2	4	0	0	0	0	0	0	0	0	0	0
15380	<i>Gymnorhinus cyanocephalus</i>	0	10	10	0	0	0	0	0	0	0	0	0	0
02510	<i>Gyps fulvus</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
04500	<i>Haematopus ostralegus</i>	10	2	29	3	0	0	0	0	0	0	0	0	0
08290	<i>Halcyon leucocephala</i>	0	2	2	0	0	0	0	0	0	0	0	2	0
21800	<i>Halcyon senegaloides</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
02430	<i>Haliaeetus albicilla</i>	2	0	17	3	0	0	0	0	0	0	0	0	0
04550	<i>Himantopus himantopus</i>	2	1	3	0	0	0	0	0	0	0	0	0	0
12560	<i>Hippolais caligata</i>	0	22	22	0	0	0	0	0	0	0	0	0	0
12590	<i>Hippolais icterina</i>	1 325	4 565	8 509	198	3	68	10	5	52	7	3	17	1
12570	<i>Hippolais languida</i>	76	27	103	0	0	0	0	0	0	0	0	0	0
12580	<i>Hippolais olivetorum</i>	0	6	6	0	0	0	0	0	0	0	0	0	0
12550	<i>Hippolais pallida</i>	0	255	255	0	0	0	0	0	0	0	0	1	0
12600	<i>Hippolais polyglotta</i>	65	315	380	0	0	0	0	13	0	0	0	3	0
09950	<i>Hirundo daurica</i>	0	24	24	0	0	0	0	0	0	0	0	0	0
09920	<i>Hirundo rustica</i>	65 662	56 640	244 268	886	1 540	190	21	638	242	18	439	43	2
55021	<i>Hirundo rustica X Delichon urbica</i>	1	0	1	0	0	0	0	0	0	0	0	0	0
04870	<i>Hoplopterus spinosus</i>	2	1	3	0	0	0	0	0	0	0	0	0	0
04880	<i>Hoplopterus tectus</i>	0	1	1	0	0	0	0	0	1	0	0	0	0
11170	<i>Irania gutturalis</i>	0	6	6	0	0	0	0	0	0	0	0	0	0
00980	<i>Ixobrychus minutus</i>	603	382	1 890	29	0	7	2	0	6	0	4	2	0
08480	<i>Jynx torquilla</i>	4 803	1 648	13 092	85	45	18	0	81	33	1	32	17	3

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
03300	<i>Lagopus mutus</i>	0	8	8	0	0	1	0	0	0	0	0	0	0
25600	<i>Laniarius aethiopus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
15150	<i>Lanius collurio</i>	19 492	9 199	44 962	241	422	138	2	307	240	1	207	229	33
15200	<i>Lanius excubitor</i>	688	327	1 986	43	0	9	1	0	10	0	0	3	3
15140	<i>Lanius isabellinus</i>	0	33	33	0	0	0	0	0	0	0	0	3	0
15190	<i>Lanius minor</i>	643	25	1 331	10	0	0	0	0	0	0	0	0	0
15240	<i>Lanius nubicus</i>	0	23	23	0	0	0	0	0	0	0	0	0	0
15230	<i>Lanius senator</i>	1 653	300	2 851	16	0	0	0	0	0	0	0	0	0
15110	<i>Lanius tigrinus</i>	0	3	3	0	0	3	0	0	0	0	0	0	0
05920	<i>Larus argentatus</i>	874	99	1 008	38	57	0	0	0	0	1	0	0	0
05927	<i>Larus argentatus cachinnans</i>	23	0	23	38	0	0	0	0	0	0	9	0	0
05926	<i>Larus argentatus michahellis</i>	233	0	233	3	3	0	0	34	0	0	69	0	0
05900	<i>Larus canus</i>	3	9	39	1	0	0	0	0	0	0	0	0	0
05910	<i>Larus fuscus</i>	53	1	54	0	0	0	0	0	0	0	0	0	0
05850	<i>Larus genei</i>	193	0	193	0	0	0	0	0	0	0	50	0	0
05990	<i>Larus hyperboreus</i>	1	0	1	0	0	0	0	0	0	0	0	0	0
06000	<i>Larus marinus</i>	0	0	2	0	0	0	0	0	0	0	0	0	0
05750	<i>Larus melanocephalus</i>	968	9	977	56	26	0	0	43	0	2	764	9	2
05780	<i>Larus minutus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
05820	<i>Larus ridibundus</i>	28 655	820	50 414	2 250	0	0	2	0	0	1	0	2	1
05140	<i>Limicola falcinellus</i>	0	53	58	4	0	0	0	0	0	0	0	0	0
05340	<i>Limosa lapponica</i>	0	10	10	0	0	0	0	0	0	0	0	0	0
05320	<i>Limosa limosa</i>	19	1	34	3	0	0	0	1	0	0	0	0	0
12330	<i>Locustella certhiola</i>	0	31	31	0	0	0	0	0	0	0	0	0	0
12370	<i>Locustella fluviatilis</i>	7	477	487	5	0	0	2	0	22	0	0	13	3

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		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
12380	<i>Locustella luscinioides</i>	17	3 317	3 830	206	0	6	2	0	27	3	0	20	8
12360	<i>Locustella naevia</i>	216	3 638	4 092	510	2	39	1	1	57	0	4	23	1
16660	<i>Loxia curvirostra</i>	8	31 023	33 988	206	0	290	0	0	246	2	4	375	2
16650	<i>Loxia leucoptera</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
16680	<i>Loxia pytyopsittacus</i>	0	91	94	0	0	0	0	0	0	0	0	0	0
09740	<i>Lullula arborea</i>	132	782	1 350	12	0	16	0	0	16	0	0	5	0
11030	<i>Luscinia luscinia</i>	0	371	389	1	0	4	0	0	4	0	0	3	0
11040	<i>Luscinia megarhynchos</i>	1 930	6 432	11 743	212	49	113	0	23	99	2	32	62	10
11060	<i>Luscinia svecica</i>	180	4 745	7 481	226	0	57	2	0	76	2	0	51	39
11062	<i>Luscinia svecica cyanecula</i>	0	54	54	0	0	14	0	0	25	0	0	1	0
11061	<i>Luscinia svecica svecica</i>	0	4	4	0	0	0	0	0	0	0	0	0	0
05180	<i>Lymnocyptes minimus</i>	1	272	300	21	0	12	0	0	8	0	0	14	1
21900	<i>Melaenornis edolidoides</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
22000	<i>Melaniparus leucomelas</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
02150	<i>Melanitta fusca</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
02230	<i>Mergus merganser</i>	72	25	97	4	0	8	0	0	0	0	0	0	0
02210	<i>Mergus serrator</i>	0	0	59	3	0	0	0	0	0	0	0	0	0
08400	<i>Merops apiaster</i>	7	155	168	0	0	0	0	0	0	0	0	0	0
08380	<i>Merops orientalis</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
08390	<i>Merops persicus / superciliosus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
18820	<i>Miliaria calandra</i>	296	1 763	3 831	33	0	19	0	0	14	0	6	5	0
02380	<i>Milvus migrans</i>	363	18	726	74	5	0	0	4	0	1	0	1	0
02390	<i>Milvus milvus</i>	431	24	864	157	9	2	0	0	2	0	6	3	0
09520	<i>Mirafraga cantillans</i>	0	1	1	0	0	0	0	0	0	0	0	1	0
11620	<i>Monticola saxatilis</i>	79	46	131	0	5	0	0	0	0	0	8	0	0



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		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
11660	<i>Monticola solitarius</i>	1	3	4	0	0	0	0	1	0	0	0	0	0
16110	<i>Montifringilla nivalis</i>	87	1 568	1 680	12	0	0	0	0	0	0	0	0	0
10200	<i>Motacilla alba</i>	9 691	16 557	42 389	286	107	44	1	65	100	1	48	151	3
10201	<i>Motacilla alba alba</i>	3	30	33	0	3	0	0	0	17	0	0	13	0
10190	<i>Motacilla cinerea</i>	8 658	6 599	19 629	99	87	28	1	89	37	1	43	29	0
10180	<i>Motacilla citreola</i>	0	23	23	0	0	2	0	0	0	0	0	0	0
10170	<i>Motacilla flava</i>	866	26 805	38 173	129	4	650	1	0	211	1	0	26	0
10174	<i>Motacilla flava feldegg</i>	1	0	1	0	0	0	0	0	0	0	0	0	0
10171	<i>Motacilla flava flava</i>	6	0	6	0	0	0	0	0	0	0	0	0	0
13350	<i>Muscicapa striata</i>	5 868	7 799	20 170	189	52	68	4	40	77	0	19	50	9
22200	<i>Myioparus plumbeus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
22300	<i>Nectarinia bifacia</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
22310	<i>Nectarinia veroxii</i>	2	19	21	0	0	0	0	0	0	0	0	0	0
02470	<i>Neophron percnopterus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
01960	<i>Netta rufina</i>	109	260	370	68	0	0	0	0	0	0	0	0	0
15570	<i>Nucifraga caryocatactes</i>	80	110	293	3	0	2	0	0	0	0	0	0	0
05410	<i>Numenius arquata</i>	494	12	673	49	7	0	2	5	0	3	1	0	0
05380	<i>Numenius phaeopus</i>	0	4	4	0	0	0	0	0	0	0	0	0	0
07490	<i>Nyctea scandiaca</i>	14	0	14	0	0	0	0	0	0	0	0	0	0
01040	<i>Nycticorax nycticorax</i>	688	3	864	27	0	0	0	0	0	0	0	1	0
11480	<i>Oenanthe hispanica</i>	0	10	10	0	0	0	0	0	0	0	0	0	0
11440	<i>Oenanthe isabellina</i>	0	27	27	0	0	0	0	0	0	0	0	0	0
11570	<i>Oenanthe leucopyga</i>	0	19	19	0	0	0	0	0	0	0	0	0	0
11460	<i>Oenanthe oenanthe</i>	4 168	1 480	8 156	16	35	8	2	0	2	1	33	4	0
11461	<i>Oenanthe oenanthe oenanthe</i>	2 118	445	2 563	0	917	203	0	580	129	0	621	113	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
11470	<i>Oenanthe pleschanka</i>	0	12	12	0	0	0	0	0	0	0	0	0	0
15080	<i>Oriolus oriolus</i>	477	530	1 618	13	0	4	0	0	7	0	0	10	0
04460	<i>Otis tarda</i>	0	0	5	0	0	0	0	0	0	0	0	0	0
07390	<i>Otus scops</i>	54	11	67	0	2	0	0	0	0	0	0	1	0
20320	<i>Pachyptilla desolata</i>	0	17	17	0	0	0	0	0	0	0	0	0	0
22400	<i>Panaeola pulchella</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
03010	<i>Pandion haliaetus</i>	2	4	12	1	0	0	0	0	1	0	0	0	0
13640	<i>Panurus biarmicus</i>	135	17 004	36 849	87	0	41	3	0	39	10	0	0	1
14610	<i>Parus ater</i>	56 891	14 869	80 883	103	664	326	12	602	125	7	593	144	5
14620	<i>Parus caeruleus</i>	150 328	51 807	255 686	8 428	4 070	1 473	339	3 724	1 493	341	2 536	942	440
14540	<i>Parus cristatus</i>	2 763	1 459	7 194	16	0	43	10	6	17	0	17	14	0
14630	<i>Parus cyaneus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
14640	<i>Parus major</i>	314 465	54 221	496 195	4 948	4 873	1 874	955	3 991	1 391	1 045	2 758	851	461
14420	<i>Parus montanus</i>	1 070	2 979	5 300	23	0	34	8	0	29	1	0	13	7
14400	<i>Parus palustris</i>	7 345	4 141	17 269	550	317	197	152	283	147	193	198	98	78
15910	<i>Passer domesticus</i>	532	3 813	11 071	104	23	73	0	32	57	0	39	87	1
20050	<i>Passer griseus</i>	7	0	7	0	7	0	0	0	0	0	0	0	0
15920	<i>Passer hispaniolensis</i>	0	594	594	0	0	0	0	0	0	0	0	0	0
15950	<i>Passer moabiticus</i>	0	8	8	0	0	0	0	0	0	0	0	0	0
15980	<i>Passer montanus</i>	21 675	18 693	47 472	179	634	345	3	822	826	7	625	1 640	43
22500	<i>Passer motitensis</i>	0	4	4	0	0	0	0	0	0	0	0	0	0
00880	<i>Pelecanus onocrotalus</i>	9	0	9	0	0	0	0	0	0	0	9	0	0
22600	<i>Peliocichla pelios</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
03670	<i>Perdix perdix</i>	22	385	495	16	0	0	0	0	2	0	0	0	0
02310	<i>Pernis apivorus</i>	289	41	520	31	0	1	0	0	3	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
00720	<i>Phalacrocorax carbo</i>	6	5	89	10	0	0	0	0	0	0	0	0	0
05650	<i>Phalaropus fulicarius</i>	8	4	12	0	0	0	0	0	0	0	0	0	0
05640	<i>Phalaropus lobatus</i>	5	27	34	1	0	0	0	0	0	0	0	0	0
03940	<i>Phasianus colchicus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
18860	<i>Pheucticus melanocephalus</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
05170	<i>Philomachus pugnax</i>	4	544	733	17	0	0	0	0	0	0	0	0	0
11270	<i>Phoenicurus moussieri</i>	0	5	5	0	0	0	0	0	0	0	0	0	0
11210	<i>Phoenicurus ochruros</i>	28 135	12 878	69 373	440	458	249	6	481	273	19	428	195	5
11220	<i>Phoenicurus phoenicurus</i>	22 940	15 803	75 350	530	331	142	10	225	203	3	138	88	13
55011	<i>Phoenicurus phoenicurus X ochruros</i>	18	0	18	0	5	0	0	0	0	0	0	0	0
13070	<i>Phylloscopus bonelli</i>	660	627	1 481	2	8	1	0	0	1	0	0	6	0
13110	<i>Phylloscopus collybita</i>	7 669	128 963	153 735	6 724	25	1 865	125	6	2 893	187	34	1 108	175
13111	<i>Phylloscopus collybita collybita</i>	2	232	234	0	0	214	0	2	18	0	0	0	0
13000	<i>Phylloscopus inornatus</i>	0	14	14	0	0	0	0	0	1	0	0	0	0
12910	<i>Phylloscopus nitidus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
12980	<i>Phylloscopus proregulus</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
13080	<i>Phylloscopus sibilatrix</i>	7 954	3 031	15 596	24	4	13	0	11	8	0	0	10	0
12930	<i>Phylloscopus trochiloides</i>	0	131	131	2 656	0	0	48	0	26	17	0	12	47
13120	<i>Phylloscopus trochilus</i>	2 802	38 223	50 107	2 731	17	523	57	0	575	25	3	162	56
13121	<i>Phylloscopus trochilus trochilus</i>	0	20	20	0	0	20	0	0	0	0	0	0	0
15490	<i>Pica pica</i>	429	289	1 360	63	0	10	1	0	4	2	3	17	3
08980	<i>Picoides tridactylus</i>	45	35	85	0	0	0	0	0	0	0	13	7	0
08550	<i>Picus canus</i>	15	304	460	12	0	3	2	0	0	0	0	1	1
08560	<i>Picus viridis</i>	65	326	720	24	0	4	0	0	8	0	0	5	0
01440	<i>Platalea leucorodia</i>	271	0	927	75	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
22700	<i>Platysteria cyanea</i>	0	8	8	0	0	0	0	0	0	0	0	0	0
18500	<i>Plectrophenax nivalis</i>	37	2	48	0	0	0	0	0	0	0	0	0	0
01360	<i>Plegadis falcinellus</i>	17	0	25	0	0	0	0	0	0	0	0	0	0
22800	<i>Plocepasser mahali</i>	0	82	82	0	0	77	0	0	0	0	0	0	0
04850	<i>Pluvialis apricaria</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
04840	<i>Pluvialis dominica</i>	22	23	45	0	0	0	0	0	0	0	0	0	0
04860	<i>Pluvialis squatarola</i>	5	24	31	0	0	0	0	0	0	0	0	0	0
00110	<i>Podiceps auritus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
00090	<i>Podiceps cristatus</i>	16	106	216	16	0	0	0	0	1	0	0	0	0
00100	<i>Podiceps grisegena</i>	21	13	46	2	0	0	0	0	0	0	0	0	0
00120	<i>Podiceps nigricollis</i>	37	51	93	9	0	0	0	0	0	0	0	0	0
02090	<i>Polysticta stelleri</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
04100	<i>Porzana parva</i>	0	149	186	2	0	0	0	0	1	0	0	0	0
04080	<i>Porzana porzana</i>	4	860	1 071	27	0	3	0	0	21	0	0	14	1
04110	<i>Porzana pusilla</i>	0	2	4	0	0	0	0	0	0	0	0	0	0
12270	<i>Prinia gracilis</i>	0	41	41	0	0	0	0	0	0	0	0	0	0
10940	<i>Prunella collaris</i>	104	362	479	2	0	0	0	0	0	0	0	0	0
10840	<i>Prunella modularis</i>	2 824	47 692	57 134	1 513	8	787	58	11	905	78	14	626	77
09900	<i>Ptyonoprogne fuligula</i>	0	14	14	0	0	0	0	0	0	0	0	0	0
09910	<i>Ptyonoprogne rupestris</i>	2	6	8	0	0	0	0	0	0	0	0	0	0
00460	<i>Puffinus puffinus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
10370	<i>Pycnonotus barbatus</i>	0	19	19	0	0	0	0	0	0	0	0	0	0
10360	<i>Pycnonotus xanthopygos</i>	0	17	17	0	0	0	0	0	0	0	0	0	0
15580	<i>Pyrrhocorax graculus</i>	0	295	360	5	0	0	0	0	0	0	0	0	0
17100	<i>Pyrrhula pyrrhula</i>	1 411	41 379	56 932	719	3	302	14	0	347	12	0	351	2

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
17101	<i>Pyrrhula pyrrhula pyrrhula</i>	0	40	40	0	0	3	0	0	4	0	0	0	0
20240	<i>Quelea quelea</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
04070	<i>Rallus aquaticus</i>	74	1 245	1 660	63	0	5	0	0	32	1	0	11	5
04560	<i>Recurvirostra avosetta</i>	752	29	891	29	0	0	0	0	0	0	0	0	0
13150	<i>Regulus ignicapillus</i>	154	3 927	4 853	25	0	5	0	0	7	0	0	5	0
13140	<i>Regulus regulus</i>	31	9 139	10 836	279	0	27	0	0	6	0	0	2	0
14900	<i>Remiz pendulinus</i>	1 154	16 971	25 799	344	13	217	3	0	227	5	5	73	15
09810	<i>Riparia riparia</i>	1 355	24 663	56 661	232	535	270	3	0	258	0	520	504	0
06020	<i>Rissa tridactyla</i>	0	3	3	0	0	0	0	0	0	0	0	0	0
11370	<i>Saxicola rubetra</i>	6 790	2 822	11 902	49	145	54	1	135	85	2	145	92	12
11390	<i>Saxicola torquata</i>	16 018	4 492	21 147	95	686	211	1	475	175	2	516	227	16
05290	<i>Scolopax rusticola</i>	5	49	59	3	0	0	0	0	0	0	0	1	0
16420	<i>Serinus canaria</i>	10	159	169	0	0	0	0	0	0	0	0	56	0
16440	<i>Serinus citrinella</i>	250	2 868	3 349	18	0	34	0	0	46	0	0	0	0
16400	<i>Serinus serinus</i>	1 430	20 837	28 632	198	3	325	1	14	382	1	8	155	0
14780	<i>Sitta castanea</i>	0	2	2	0	0	2	0	0	0	0	0	0	0
14790	<i>Sitta europaea</i>	25 855	4 995	37 009	350	1 158	133	76	869	91	73	479	69	50
14810	<i>Sitta neumayer</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
02060	<i>Somateria mollissima</i>	0	5	5	0	0	0	0	0	0	0	0	0	0
05680	<i>Stercorarius longicaudus</i>	0	5	5	0	0	0	0	0	0	0	0	0	0
05660	<i>Stercorarius pomarinus</i>	13	0	13	0	0	0	0	0	0	0	0	0	0
06240	<i>Sterna aibifrons</i>	7	10	47	2	0	0	0	0	0	0	0	0	0
06090	<i>Sterna bengalensis</i>	26	8	34	0	0	0	0	0	0	0	0	0	0
06060	<i>Sterna caspia</i>	1	0	1	0	0	0	0	0	0	0	0	0	0
06140	<i>Sterna dougallii</i>	0	1	1	0	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
06150	<i>Sterna hirundo</i>	5 018	50	7 655	48	90	0	0	125	0	6	127	0	0
06160	<i>Sterna paradisaea</i>	1	0	21	0	0	0	0	0	0	0	0	0	0
06840	<i>Streptopelia decaocto</i>	519	3 038	4 519	80	0	42	1	1	48	0	0	79	7
06830	<i>Streptopelia roseogrisea</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
06850	<i>Streptopelia semitorquata</i>	0	4	4	0	0	0	0	0	0	0	0	0	0
06900	<i>Streptopelia senegalensis</i>	0	5	5	0	0	0	0	0	0	0	0	0	0
06870	<i>Streptopelia turtur</i>	167	305	691	13	1	1	0	2	0	0	0	0	0
07610	<i>Strix aluco</i>	3 515	805	5 677	349	52	17	1	81	39	1	78	42	5
07650	<i>Strix uralensis</i>	0	25	25	0	0	0	0	0	24	0	0	0	0
15840	<i>Sturnus roseus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
15820	<i>Sturnus vulgaris</i>	9 706	2 645	66 023	1 587	292	52	2	348	46	6	175	66	3
12770	<i>Sylvia atricapilla</i>	7 608	162 166	180 040	4 053	51	3 594	189	24	4 180	134	17	2 691	177
12760	<i>Sylvia borin</i>	4 361	64 431	79 006	2 862	45	794	62	6	1 107	40	3	562	99
12650	<i>Sylvia cantillans</i>	0	183	183	0	0	0	0	0	0	0	0	0	0
12750	<i>Sylvia communis</i>	2 859	20 219	33 169	241	9	218	3	5	361	0	13	379	61
12640	<i>Sylvia conspicillata</i>	0	23	23	0	0	0	0	0	0	0	0	0	0
12740	<i>Sylvia curruca</i>	1 469	16 127	21 806	498	0	181	11	0	236	9	0	149	6
12630	<i>Sylvia deserticola</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
12720	<i>Sylvia hortensis</i>	0	25	25	0	0	0	0	0	0	0	0	0	0
12670	<i>Sylvia melanocephala</i>	74	600	678	4	40	0	0	0	0	0	0	0	0
12730	<i>Sylvia nisoria</i>	135	705	1 032	3	0	1	0	0	11	0	0	8	0
12690	<i>Sylvia rueppelli</i>	0	5	5	0	0	0	0	0	0	0	0	0	0
12610	<i>Sylvia sarda</i>	0	2	2	0	0	0	0	0	0	0	0	0	0
12620	<i>Sylvia undata</i>	0	7	7	0	0	0	0	0	0	0	0	0	0
22900	<i>Sylvietta brachyura</i>	0	1	1	0	0	0	0	0	0	0	0	0	0

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed	as Pullus / Fullgrown	Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
00070	<i>Tachybaptus ruficollis</i>	42	1 496	1 909	37	0	0	0	0	1	0	0	0	0
01730	<i>Tadorna tadorna</i>	1	0	16	0	0	0	0	0	0	0	1	0	0
23000	<i>Terpsiphone rufiventer</i>	0	7	7	0	0	0	0	0	0	0	0	0	0
13530	<i>Terpsiphone viridis</i>	37	3	40	0	0	0	0	0	0	0	37	0	0
03320	<i>Tetrao tetrix</i>	134	17	152	0	0	0	0	0	0	0	0	0	0
03350	<i>Tetrao urogallus</i>	62	36	99	1	0	0	0	0	0	0	0	6	0
03260	<i>Tetrastes bonasia</i>	0	37	37	2	0	0	0	0	0	0	0	0	0
14820	<i>Tichodroma muraria</i>	5	1	6	0	0	0	0	0	0	0	0	0	0
10770	<i>Toxostoma redivivum</i>	8	14	22	0	0	0	0	8	14	0	0	0	0
05450	<i>Tringa erythropus</i>	0	126	142	8	0	0	0	0	0	0	0	0	0
05540	<i>Tringa glareola</i>	0	1 915	2 535	41	0	9	0	0	24	0	0	47	1
05480	<i>Tringa nebularia</i>	0	142	183	1	0	0	0	0	0	0	0	0	0
05530	<i>Tringa ochropus</i>	2	716	762	11	0	0	0	0	3	0	0	4	0
05470	<i>Tringa stagnatilis</i>	0	20	22	0	0	0	0	0	0	0	0	0	0
05460	<i>Tringa totanus</i>	17	100	226	11	0	0	0	0	0	0	0	0	0
23100	<i>Trochocercus cyanomelas</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
10660	<i>Troglodytes troglodytes</i>	7 408	16 333	29 982	712	267	347	14	98	352	34	111	114	24
11840	<i>Turdus cardis</i>	0	1	1	0	0	1	0	0	0	0	0	0	0
12010	<i>Turdus iliacus</i>	3	2 217	2 489	61	0	14	0	0	26	1	0	0	0
11870	<i>Turdus merula</i>	6 698	27 123	62 978	2 696	63	781	68	42	672	55	27	439	172
12000	<i>Turdus philomelos</i>	5 868	16 557	35 639	1 000	7	412	12	7	455	8	0	226	19
11980	<i>Turdus pilaris</i>	10 433	5 582	23 780	356	67	60	1	78	68	0	61	46	4
11860	<i>Turdus torquatus</i>	152	318	572	4	0	0	2	4	2	0	0	0	0
12020	<i>Turdus viscivorus</i>	164	300	1 307	22	0	1	0	0	3	0	4	4	0
07350	<i>Tyto alba</i>	34 384	1 812	40 384	5 018	1 127	66	70	1 681	88	86	1 044	59	119

Code	Species	1962-2002		1947-2002		2000			2001			2002		
		Ringed as Pullus / Fullgrown		Ringed	Recovered	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.	Pull.	Fgr.	Rec.
08460	<i>Upupa epops</i>	2 993	255	3 760	26	106	13	2	90	5	1	128	4	0
04930	<i>Vanellus vanellus</i>	15 134	410	17 160	331	38	0	1	35	1	0	75	4	0
05550	<i>Xenus cinereus</i>	0	26	26	0	0	0	0	0	0	0	0	0	0
18360	<i>Zonotrichia lincolnii</i>	0	1	1	0	0	0	0	0	0	0	0	0	0
<b>TOTAL :</b>		<b>1 356 746</b>	<b>2 109 946</b>	<b>4 629 898</b>	<b>120 367</b>	<b>28 238</b>	<b>35 478</b>	<b>4 022</b>	<b>23 940</b>	<b>38 687</b>	<b>4 301</b>	<b>19 471</b>	<b>25 439</b>	<b>4 078</b>