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Results of bird trapping and ringing by the Biological Station "Rybachy" on the Courish Spit in 2009

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In 2009, a grand total of 35,577 birds of 100 species were trapped and ringed by the Biological Station "Rybachy" in the framework of long- and short-term research projects. A total of 1,201 ringed birds of 56 species produced 1,825 recaptures. In 2009, 293 birds of 34 species ringed on the Courish Spit in previous years were retrapped. Between 15.03.2009 and 15.03.2010, 62 birds of 17 species ringed on the Courish Spit were reported as recovered more than 20 km from the ringing site. In 2009, 63 birds of 17 species ringed outside the Courish Spit were controlled. A review of research projects is given, along with main trapping techniques. A complete list of long-distance recoveries is provided.

Key words: bird ringing, retraps, long-distance recoveries, research projects

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This annual report is the 12th one in the series of ringing reports published by the Biological Station "Rybachy" (Bolshakov et al. 1999; 2000; 2002a, b; 2003; 2004; 2005; 2008; 2009a, b, c) and consists of two parts. The first part contains a short review of research projects, description of trapping techniques used and main ringing results (Table 1), retraps and control captures (Table 2) during the current year. The second part contains a full list of birds ringed by the station and recovered outside the Courish Spit based on the data received from Russian Ringing Centre in Moscow. We also present the data on birds ringed outside the Courish Spit and controlled by us in the current year.

1. Current research projects using bird trapping and ringing

1.1. Long-term monitoring of the timing of spring and autumn migration, breeding, post-breeding and post-fledging dispersal, numbers of breeding and passage bird populations on the Courish Spit of the Baltic Sea (field site “Fringilla”)

This project has been under way without interruption since 1958 at the field site “Fringilla” (55°05′N, 20°44′E). Birds are trapped in specially designed, large permanent traps (the so-called “Rybachy-type” traps), ringed and measured. For a detailed description of the traps see Payevsky (2000). At present a unique data set is available that has made it possible to describe long-term trends in the timing of migration, breeding, post-fledging dispersal, and numbers of local and passage populations for nearly 40 passerine species in the second half of the 20th century. These data have also allowed us to discover the main factors that affect the underlying trends (Sokolov 1999; Sokolov *et al.* 1998 a, b; 1999; 2000; 2001a, b; 2002a, b, 2003 a, b; Sokolov & Payevsky 1998).

Within the framework of this project two traps were operated at “Fringilla” field site in 2009: trap 4 (NE orientation of entrance) – from March 30 until October 15, trap 5 (SW orientation of entrance) – from March 30 until October 26. In the spring, summer and during a part of the autumn, the traps allowed us to control movement along the Courish Spit in both directions.

1.2. Long-term dynamics of numbers, energy condition, moult and biometrics of passerines in NE Europe (field site “Rybachy”)

A joint research programme of Max Planck Institute for Ornithology (Germany) and Biological Station “Rybachy” was launched in 1993 at the field site “Rybachy” on Rossitten Cape (55°09′N, 20°51′E). It is an area of heavy concentration of nocturnal passerine migrants at daytime stopovers, both in spring and in autumn. Trapping is done in mist nets, each 7 m long. Trapping, ringing and biometrics followed the guidelines of the MRI and ESF programmes (Berthold *et al.* 1991; Bairlein *et al.* 1995).

In 2009, 25 nets placed in 2 lines were open 24 hrs a day from March 27 until November 1 with a standard gap from June 11 until June 30.

1.3. Population structure, philopatry and dispersal of passerines on the Courish Spit

This project was launched in 1973. The data were largely obtained by trapping and ringing juveniles and adults in “Rybachy-type” traps (field site “Fringilla”) and mist nets (field site “Rybachy”). Additional mist nets were used near water pools at field site “Fringilla” and the surrounding area. Pulli and adults were ringed at nests (incl. nest-boxes) at different sites on the Courish Spit. Adults were trapped at the nest (nest-box) using various techniques, incl. mist nets, walloper (butterfly-type net), semi-automatic traps, etc.

Table 1. Numbers of birds ringed by Biological station “Rybachy” in 2009.

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
00030	<i>Gavia arctica</i> Arctic Loon	–	–	–	–	–	–	1
00090	<i>Podiceps cristatus</i> Great Crested Grebe	–	–	–	–	–	–	1
00720	<i>Phalacrocorax carbo</i> Cormorant	–	–	–	–	1	1	5
00950	<i>Botaurus stellaris</i> Bittern	–	–	–	–	–	–	2
00980	<i>Ixobrychus minutus</i> Little Bittern	–	–	–	–	–	–	1
01220	<i>Ardea cinerea</i> Grey Heron	–	–	–	–	–	–	375
01340	<i>Ciconia ciconia</i> White Stork	–	–	–	–	–	–	364
01840	<i>Anas crecca</i> Teal	–	–	–	–	–	–	2
01860	<i>Anas platyrhynchos</i> Mallard	–	–	–	–	–	–	3
01910	<i>Anas querquedula</i> Garganey	–	–	–	–	–	–	6
02150	<i>Melanitta fusca</i> Velvet Scoter	–	–	–	–	–	–	1
02310	<i>Pernis apivorus</i> Honey Buzzard	–	–	–	–	–	–	17
02380	<i>Milvus migrans</i> Black Kite	–	–	–	–	–	–	1
02600	<i>Circus aeruginosus</i> Marsh Harrier	–	–	–	–	–	–	4
02610	<i>Circus cyaneus</i> Hen Harrier	–	–	–	–	–	–	69
02620	<i>Circus macrourus</i> Pallid Harrier	–	–	–	–	–	–	1
02630	<i>Circus pygargus</i> Montagu’s Harrier	–	–	–	–	–	–	5
02670	<i>Accipiter gentilis</i> Goshawk	–	–	–	–	–	–	43

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
02690	<i>Accipiter nisus</i> Sparrowhawk	52	3	–	–	2	57	7,160
02870	<i>Buteo buteo</i> Buzzard	1	–	–	–	–	1	22
02900	<i>Buteo lagopus</i> Rough-legged Buzzard	–	–	–	–	–	–	2
03040	<i>Falco tinnunculus</i> Kestrel	–	–	–	–	–	–	15
03070	<i>Falco vespertinus</i> Red-footed Falcon	–	–	–	–	–	–	4
03090	<i>Falco columbarius</i> Merlin	–	–	–	–	–	–	36
03100	<i>Falco subbuteo</i> Hobby	–	–	–	–	–	–	14
03200	<i>Falco peregrinus</i> Peregrine	–	–	–	–	–	–	1
03700	<i>Coturnix coturnix</i> Quail	–	–	–	–	–	–	2
04070	<i>Rallus aquaticus</i> Water Rail	–	–	–	–	–	–	21
04080	<i>Porzana porzana</i> Spotted Crane	–	–	–	–	–	–	9
04210	<i>Crex crex</i> Corncrake	1	–	–	–	–	1	15
04240	<i>Gallinula chloropus</i> Moorhen	–	–	–	–	–	–	4
04290	<i>Fulica atra</i> Coot	–	–	–	–	–	–	3
04690	<i>Charadrius dubius</i> Little Ringed Plover	–	–	–	–	–	–	2
04700	<i>Charadrius hiaticula</i> Ringed Plover	–	–	–	–	–	–	3
04930	<i>Vanellus vanellus</i> Lapwing	–	–	–	–	–	–	23
04960	<i>Calidris canutus</i> Knot	–	–	–	–	–	–	3

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
04970	<i>Calidris alba</i> Sanderling	–	–	–	–	–	–	6
05010	<i>Calidris minuta</i> Little Stint	–	–	–	–	–	–	1
05120	<i>Calidris alpina</i> Dunlin	–	–	–	–	–	–	7
05170	<i>Philomachus pugnax</i> Ruff	–	–	–	–	–	–	7
05180	<i>Lymnocryptes minima</i> Jack Snipe	–	–	–	–	–	–	17
05190	<i>Gallinago gallinago</i> Snipe	–	–	–	–	–	–	32
05290	<i>Scolopax rusticola</i> Woodcock	2	–	–	–	–	2	209
05410	<i>Numenius arquata</i> Curlew	–	–	–	–	–	–	1
05530	<i>Tringa ochropus</i> Green Sandpiper	–	–	–	–	–	–	17
05540	<i>Tringa glareola</i> Wood Sandpiper	–	–	–	–	–	–	18
05560	<i>Actitis hypoleucos</i> Common Sandpiper	–	–	–	–	–	–	40
05610	<i>Arenaria interpres</i> Turnstone	–	–	–	–	–	–	1
05820	<i>Larus ridibundus</i> Black-headed Gull	–	–	–	–	–	–	41
05900	<i>Larus canus</i> Common Gull	–	–	–	–	–	–	2
05910	<i>Larus fuscus</i> Lesser Black-backed Gull	–	–	–	–	–	–	3
06000	<i>Larus marinus</i> Great Black-backed Gull	–	–	–	–	–	–	1
06150	<i>Sterna hirundo</i> Common Tern	–	–	–	–	–	–	1
06340	<i>Uria aalge</i> Guillemot	–	–	–	–	–	–	1

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
06650	<i>Columba livia</i> Rock Dove	–	–	–	–	–	–	14
06680	<i>Columba oenas</i> Stock Dove	–	–	–	–	–	–	17
06700	<i>Columba palumbus</i> Woodpigeon	–	–	–	–	–	–	65
06840	<i>Streptopelia decaocto</i> Collared Dove	–	–	–	–	–	–	34
06870	<i>Streptopelia turtur</i> Turtle Dove	1	–	–	–	–	1	124
07240	<i>Cuculus canorus</i> Cuckoo	12	1	–	–	–	13	1,452
07350	<i>Tyto alba</i> Barn Owl	–	–	–	–	–	–	7
07500	<i>Surnia ulula</i> Hawk Owl	–	–	–	–	–	–	3
07570	<i>Athene noctua</i> Little Owl	–	–	–	–	–	–	1
07610	<i>Strix aluco</i> Tawny Owl	1	–	–	–	1	2	60
07670	<i>Asio otus</i> Long-eared Owl	8	–	–	–	–	8	3,350
07680	<i>Asio flammeus</i> Short-eared Owl	1	–	–	–	–	1	57
07700	<i>Aegolius funereus</i> Tengmalm’s Owl	–	–	–	–	–	–	334
07780	<i>Caprimulgus europaeus</i> Nightjar	1	–	–	–	–	1	422
07950	<i>Apus apus</i> Swift	1	–	–	–	–	1	651
08310	<i>Alcedo atthis</i> Kingfisher	–	6	–	–	1	7	211
08410	<i>Coracias garrulus</i> Roller	–	–	–	–	–	–	3
08460	<i>Upupa epops</i> Hoopoe	–	–	–	–	–	–	168

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Fringilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
08480	<i>Jynx torquilla</i> Wryneck	2	4	–	–	–	6	1,171
08550	<i>Picus canus</i> Grey-headed Woodpecker	–	–	–	–	–	–	7
08560	<i>Picus viridis</i> Green Woodpecker	–	–	–	–	–	–	2
08630	<i>Dryocopus martius</i> Black Woodpecker	–	–	–	–	1	1	15
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	98	18	–	–	23	139	3,087
08830	<i>Dendrocopos medius</i> Middle Spotted Woodpecker	–	–	–	–	–	–	60
08840	<i>Dendrocopos leucotos</i> White-backed Woodpecker	–	–	–	–	–	–	4
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	2	7	–	–	3	12	460
09740	<i>Lullula arborea</i> Woodlark	8	–	–	–	–	8	4,768
09760	<i>Alauda arvensis</i> Skylark	1	–	–	–	–	1	488
09780	<i>Eremophilla alpestris</i> Shore Lark	–	–	–	–	–	–	5
09810	<i>Riparia riparia</i> Sand Martin	32	–	–	–	1	33	5,084
09920	<i>Hirundo rustica</i> Swallow	105	7	21	–	37	170	11,264
10010	<i>Delichon urbica</i> House Martin	21	–	–	–	–	21	8,542
10020	<i>Anthus novaseelandiae</i> Richard’s Pipit	–	–	–	–	–	–	3
10050	<i>Anthus campestris</i> Tawny Pipit	1	–	–	–	–	1	138
10090	<i>Anthus trivialis</i> Tree Pipit	14	2	–	–	67	83	6,046
10110	<i>Anthus pratensis</i> Meadow Pipit	14	–	–	–	–	14	11,029

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Fringilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
10140	<i>Anthus spinoletta</i> Water Pipit	–	–	–	–	–	–	3
10142	<i>Anthus petrosus</i> Rock Pipit	–	–	–	–	–	–	1
10170	<i>Motacilla flava</i> Yellow Wagtail	6	11	–	–	–	17	2,839
10180	<i>Motacilla citreola</i> Citrine Wagtail	–	–	–	–	–	–	1
10190	<i>Motacilla cinerea</i> Grey Wagtail	–	–	–	–	–	–	10
10200	<i>Motacilla alba</i> Pied Wagtail	215	41	38	–	2	296	11,979
10480	<i>Bombycilla garrulus</i> Waxwing	–	3	–	–	–	3	1,295
10500	<i>Cinclus cinclus</i> Dipper	–	–	–	–	–	–	1
10660	<i>Troglodytes troglodytes</i> Wren	53	205	–	–	39	297	12,477
10840	<i>Prunella modularis</i> Dunnock	12	142	–	–	12	166	6,120
10990	<i>Erithacus rubecula</i> Robin	1,305	3,286	–	–	578	5,169	173, 389
11030	<i>Luscinia luscinia</i> Thrush Nightingale	2	62	–	–	3	67	2,316
11060	<i>Luscinia svecica</i> Bluethroat	–	–	–	–	–	–	216
11130	<i>Tarsiger cyanurus</i> Red-flanked Bluetail	–	–	–	–	–	–	2
11210	<i>Phoenicurus ochruros</i> Black Redstart	20	2	–	–	1	23	1,489
11220	<i>Phoenicurus phoenicurus</i> Redstart	35	78	6	–	12	131	13,411
11370	<i>Saxicola rubetra</i> Whinchat	4	9	–	–	–	13	3,248
11390	<i>Saxicola torquata</i> Stonechat	–	–	–	–	–	–	3

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
11460	<i>Oenanthe oenanthe</i> Northern Wheatear	1	–	–	–	–	1	849
11860	<i>Turdus torquatus</i> Ring Ouzel	–	–	–	–	–	–	14
11870	<i>Turdus merula</i> Blackbird	103	352	–	–	18	473	13,041
11980	<i>Turdus pilaris</i> Fieldfare	2	–	–	–	–	2	2,513
12000	<i>Turdus philomelos</i> Song Thrush	240	227	–	–	9	476	27,512
12010	<i>Turdus iliacus</i> Redwing	25	27	–	–	–	52	6,173
12020	<i>Turdus viscivorus</i> Mistle Thrush	–	–	–	–	2	2	297
12360	<i>Locustella naevia</i> Grasshopper Warbler	4	3	–	–	1	8	709
12370	<i>Locustella fluviatilis</i> River Warbler	1	1	–	–	–	2	158
12380	<i>Locustella luscinioides</i> Savi's Warbler	–	2	–	–	–	2	84
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	1	215	–	–	5	221	9,781
12470	<i>Acrocephalus agricola</i> Paddyfield Warbler	–	–	–	–	–	–	5
12480	<i>Acrocephalus dumetorum</i> Blyth's Reed Warbler	–	1	–	–	–	1	97
12500	<i>Acrocephalus palustris</i> Marsh Warbler	1	190	3	–	3	197	5,819
12510	<i>Acrocephalus scirpaceus</i> Reed Warbler	–	438	46	11	2	497	19,704
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	–	75	11	9	3	98	2,982
12560	<i>Hippolais caligata</i> Booted Warbler	–	–	–	–	–	–	6
12590	<i>Hippolais icterina</i> Icterine Warbler	57	41	30	–	75	203	11,315

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Fringilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
12650	<i>Sylvia cantillans</i> Subalpine Warbler	–	–	–	–	–	–	4
12730	<i>Sylvia nisoria</i> Barred Warbler	5	–	3	–	–	8	3,970
12740	<i>Sylvia curruca</i> Lesser Whitethroat	49	90	128	–	14	281	19,035
12750	<i>Sylvia communis</i> Whitethroat	51	189	10	–	22	272	13,123
12760	<i>Sylvia borin</i> Garden Warbler	17	117	–	–	52	186	22,610
12770	<i>Sylvia atricapilla</i> Blackcap	40	496	13	–	119	668	23,877
12930	<i>Phylloscopus trochiloides</i> Greenish Warbler	–	5	–	–	4	9	104
12980	<i>Phylloscopus proregulus</i> Pallas' Warbler	–	–	–	–	–	–	25
13000	<i>Phylloscopus inornatus</i> Yellow-browed Warbler	–	1	–	–	–	1	107
13010	<i>Phylloscopus schwarzi</i> Radde's Warbler	–	–	–	–	–	–	3
13030	<i>Phylloscopus fuscatus</i> Dusky Warbler	–	–	–	–	–	–	2
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	65	49	–	–	52	166	15,874
13110	<i>Phylloscopus collybitus</i> Chiffchaff	88	169	–	–	11	268	11,595
13120	<i>Phylloscopus trochilus</i> Willow Warbler	391	302	14	–	221	928	155,024
13140	<i>Regulus regulus</i> Goldcrest	717	1,145	–	–	82	1,944	367,248
13150	<i>Regulus ignicapillus</i> Firecrest	2	2	–	–	1	5	79
13350	<i>Muscicapa striata</i> Spotted Flycatcher	34	47	5	–	54	140	10,185
13430	<i>Ficedula parva</i> Red-breasted Flycatcher	2	5	–	–	4	11	1,181

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
13480	<i>Ficedula albicollis</i> Collared Flycatcher	–	–	–	–	1	1	24
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	26	43	277	45	83	474	27,635
13640	<i>Panurus biarmicus</i> Bearded Tit	–	36	–	–	–	36	479
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	8	74	–	–	–	82	54,111
14400	<i>Parus palustris</i> Marsh Tit	20	20	–	–	25	65	2,210
14420	<i>Parus montanus</i> Willow Tit	11	–	–	–	6	17	2,248
14540	<i>Parus cristatus</i> Crested Tit	3	–	–	–	6	9	762
14610	<i>Parus ater</i> Coal Tit	302	–	38	1	38	379	55,609
14620	<i>Parus caeruleus</i> Blue Tit	1,548	223	52	9	293	2,125	91,696
14640	<i>Parus major</i> Great Tit	2,026	686	368	18	349	3,447	228,911
14790	<i>Sitta europaea</i> Nuthatch	2	2	–	–	9	13	372
14860	<i>Certhia familiaris</i> Treetreeper	3	75	–	–	19	97	6,392
14870	<i>Certhia brachydactyla</i> Short-toed Treetreeper	–	1	–	–	–	1	17
14900	<i>Remiz pendulinus</i> Penduline Tit	–	28	–	–	4	32	1,128
15080	<i>Oriolus oriolus</i> Golden Oriole	–	–	–	–	–	–	284
15150	<i>Lanius collurio</i> Red-backed Shrike	14	11	10	–	3	38	3,404
15200	<i>Lanius excubitor</i> Great Grey Shrike	–	–	–	–	–	–	113
15390	<i>Garrulus glandarius</i> Jay	87	4	–	–	1	92	6,389

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Fringilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
15490	<i>Pica pica</i> Magpie	–	–	–	–	–	–	86
15570	<i>Nucifraga caryocatactes</i> Nutcracker	–	–	–	–	–	–	471
15600	<i>Corvus monedula</i> Jackdaw	1	–	–	–	–	1	78
15630	<i>Corvus frugilegus</i> Rook	–	–	–	–	–	–	60
15672	<i>Corvus corone cornix</i> Hooded Crow	–	–	–	–	1	1	71
15720	<i>Corvus corax</i> Raven	–	–	–	–	–	–	4
15820	<i>Sturnus vulgaris</i> Starling	1,127	33	–	–	2	1,162	106,684
15910	<i>Passer domesticus</i> House Sparrow	–	–	–	–	–	–	954
15980	<i>Passer montanus</i> Tree Sparrow	–	–	–	–	–	–	258
16360	<i>Fringilla coelebs</i> Chaffinch	6,175	304	63	–	355	6,897	747,668
16380	<i>Fringilla montifringilla</i> Brambling	622	19	–	–	39	680	73,628
16400	<i>Serinus serinus</i> Serin	9	–	–	–	1	10	449
16490	<i>Carduelis chloris</i> Greenfinch	23	9	–	–	2	34	7,623
16530	<i>Carduelis carduelis</i> Goldfinch	10	5	–	–	3	18	3,076
16540	<i>Carduelis spinus</i> Siskin	1,752	21	–	–	2,725	4,498	218,392
16600	<i>Carduelis cannabina</i> Linnet	–	–	–	–	1	1	1,633
16620	<i>Carduelis flavirostris</i> Twite	–	–	–	–	–	–	32
16630	<i>Carduelis flammea</i> Redpoll	45	73	–	–	55	173	13,614

Table 1. *Continued*

EUR- ING code	Species*	“Rybachy- type” traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2009	Grand total 1956– 2009
				Nest- lings	Adults			
16640	<i>Carduelis hornemanni</i> Arctic Redpoll	–	–	–	–	–	–	18
16650	<i>Loxia leucoptera</i> Two-barred Crossbill	–	–	–	–	3	3	21
16660	<i>Loxia curvirostra</i> Crossbill	72	–	–	–	930	1002	14,403
16680	<i>Loxia pytyopsittacus</i> Parrot Crossbill	–	–	–	–	6	6	17
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	22	75	7	–	7	111	6,931
16990	<i>Pinicola enucleator</i> Pine Grosbeak	–	–	–	–	–	–	1
17100	<i>Pyrrhula pyrrhula</i> Bullfinch	6	48	–	–	3	57	14,030
17170	<i>Coccothraustes coccothraustes</i> Hawfinch	13	5	–	–	18	36	1,726
18470	<i>Calcarius lapponicus</i> Lapland Bunting	–	–	–	–	–	–	3
18500	<i>Plectrophenax nivalis</i> Snow Bunting	–	–	–	–	–	–	1
18570	<i>Emberiza citrinella</i> Yellowhammer	23	–	3	–	13	39	4,699
18660	<i>Emberiza hortulana</i> Ortolan Bunting	1	–	–	–	–	1	516
18730	<i>Emberiza rustica</i> Rustic Bunting	–	–	–	–	–	–	10
18740	<i>Emberiza pusilla</i> Little Bunting	–	–	–	–	–	–	11
18770	<i>Emberiza schoeniclus</i> Reed Bunting	2	48	–	–	–	50	2,626
18810	<i>Emberiza melanocephala</i> Black-headed Bunting	–	–	–	–	–	–	1
18820	<i>Miliaria calandra</i> Corn Bunting	–	–	–	–	–	–	8
	Total birds	17,880	9,919	1,146	93	6,539	35,577	2,743,283
	Total species	81	66	21	6	68	100	197

Note: * – English common names follow Jonsson (1992).

2. Results of bird ringing in 2009

Overall, 35,577 birds of 100 species were trapped and ringed by the Biological Station “Rybachy” in the framework research projects. A total of 17,880 birds of 81 species were trapped and ringed in “Rybachy-type” traps at the field site “Fringilla”, and 9,919 birds of 66 species were trapped and ringed in mist nets at the field site “Rybachy”. In 2009, 1,146 pulli of 21 species and 93 adults of 6 species were ringed at nests. Finally, 6,539 birds of 68 species were trapped and ringed by other methods in the framework of short-term research projects in 2009, including trapping by mist-nets near water pools in “Fringilla”. A more detailed account of ringing results is presented in Table 1.

Apart from the EURING code, scientific and English names of a species, the following information is given: (1) trapping figures at “Fringilla” field site by “Rybachy-type” traps; (2) trapping figures at “Rybachy” field site in a joint Russian-German research project; (3) the number of pulli and adults ringed at nests; (4) the number of birds trapped by other methods in different research projects (incl. a small number of birds captured and ringed incidentally); (5) overall ringing figures for 2009. Additionally, the grand ringing totals for 1956–2009 are presented for each species.

Numbers of retraps and controls at the place of ringing are presented in first three columns of Table 2. A total of 1,201 individuals of 56 species ringed in 2009 produced 1,825 retraps. In addition, 293 controls (34 species) were obtained from birds ringed in previous years.

3. List of long-distance recoveries reported in 2009

The number of recoveries for each species is presented in Table 2 (columns 4 and 5). The data include: birds ringed by the station on the Courish Spit and subsequently recovered more than 20km from the ringing site; controls of birds ringed outside the Russian part of the Courish Spit. The sequence of species follows EURING (1979).

In total, between 15.03.2009 and 15.03.2010, we received from the national Ringing Centre in Moscow information on 62 recoveries of birds of 17 species, ringed on the Courish Spit (see 3.1., the list of long-distance recoveries of birds ringed on the Courish Spit).

In 2009 the station controlled a total of 63 birds of 17 species ringed outside the Courish Spit (see 3.2., controls of birds ringed outside the Courish Spit). For 22 birds of 12 species ringed outside the Courish Spit and controlled by the Biological Station “Rybachy” in 2009, ringing information is still not available from the national Ringing Centre (see 3.3., data with ringing information not yet available).

In the lists (see 3.1., 3.2., 3.3.) for each species, EURING code, scientific and English name and number of recoveries (in parenthesis) are presented.

Explanation of line contents.

Every individual has data on two lines: on the upper one are ringing information (ring No, ringing date, sex, age [see below], ringing place with coordinates). If

Table 2. Retraps, controls, and recoveries of birds.

EURING code	Species	Retraps of birds ringed in 2009		Controls of birds ringed earlier than 2009	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
1520	<i>Cygnus olor</i> Mute Swan	–	–	–	–	2
02690	<i>Accipiter nisus</i> Sparrowhawk	–	–	–	1	2
07240	<i>Cuculus canorus</i> Cuckoo	1	1	–	–	–
08480	<i>Jynx torquilla</i> Wryneck	1	1	–	–	–
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	8	14	–	–	–
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	6	8	1	–	–
09920	<i>Hirundo rustica</i> Swallow	3	8	4	–	–
10050	<i>Anthus campestris</i> Tawny Pipit	1	1	–	–	–
10090	<i>Anthus trivialis</i> Tree Pipit	3	5	3	–	–
10200	<i>Motacilla alba</i> Pied Wagtail	34	47	8	–	1
10660	<i>Troglodytes troglodytes</i> Wren	30	42	1	1	–
10840	<i>Prunella modularis</i> Dunnock	9	9	–	–	1
10990	<i>Erithacus rubecula</i> Robin	216	322	1	6	–
11030	<i>Luscinia luscinia</i> Thrush Nightingale	13	32	3	–	–
11220	<i>Phoenicurus phoenicurus</i> Redstart	16	23	3	–	–
11370	<i>Saxicola rubetra</i> Whinchat	1	2	–	–	–
11870	<i>Turdus merula</i> Blackbird	39	49	2	2	–

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2009		Controls of birds ringed earlier than 2009	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
12000	<i>Turdus philomelos</i> Song Thrush	5	6	–	–	–
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	21	21	1	–	–
12500	<i>Acrocephalus palustris</i> Marsh Warbler	25	32	8	–	–
12510	<i>Acrocephalus scirpaceus</i> Reed Warbler	113	216	25	2	5
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	25	35	7	–	–
12590	<i>Hippolais icterina</i> Icterine Warbler	11	29	7	–	–
12740	<i>Sylvia curruca</i> Lesser Whitethroat	19	32	8	–	–
12750	<i>Sylvia communis</i> Whitethroat	17	17	2	1	2
12760	<i>Sylvia borin</i> Garden Warbler	8	8	1	–	–
12770	<i>Sylvia atricapilla</i> Blackcap	80	115	10	1	1
12930	<i>Phylloscopus trochiloides</i> Greenish Warbler	3	3	–	–	–
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	2	2	–	–	–
13110	<i>Phylloscopus collybitus</i> Chiffchaff	10	11	1	–	–
13120	<i>Phylloscopus trochilus</i> Willow Warbler	96	113	71	–	–
13140	<i>Regulus regulus</i> Goldcrest	57	91	–	1	–
13350	<i>Muscicapa striata</i> Spotted Flycatcher	6	8	4	–	–
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	10	10	5	–	–

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2009		Controls of birds ringed earlier than 2009	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
13640	<i>Panurus biarmicus</i> Bearded Tit	9	13	–	–	–
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	9	11	–	6	1
14400	<i>Parus palustris</i> Marsh Tit	22	66	3	–	–
14420	<i>Parus montanus</i> Willow Tit	2	6	1	–	–
14540	<i>Parus cristatus</i> Crested Tit	7	10	–	–	–
14610	<i>Parus ater</i> Coal Tit	3	3	–	–	2
14620	<i>Parus caeruleus</i> Blue Tit	69	107	12	11	22
14640	<i>Parus major</i> Great Tit	79	126	7	17	15
14790	<i>Sitta europaea</i> Nuthatch	4	5	–	–	–
14860	<i>Certhia familiaris</i> Treetreeper	6	11	1	–	–
14900	<i>Remiz pendulinus</i> Penduline Tit	4	5	–	–	1
15150	<i>Lanius collurio</i> Red-backed Shrike	1	1	–	–	–
15820	<i>Sturnus vulgaris</i> Starling	1	1	–	–	1
15910	<i>Passer domesticus</i> House Sparrow	–	–	1	–	–
16360	<i>Fringilla coelebs</i> Chaffinch	44	78	83	4	2
16380	<i>Fringilla montifringilla</i> Brambling	1	1	–	1	1
16490	<i>Carduelis chloris</i> Greenfinch	–	–	1	–	1

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2009		Controls of birds ringed earlier than 2009	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
16530	<i>Carduelis carduelis</i> Goldfinch	–	–	–	1	–
16540	<i>Carduelis spinus</i> Siskin	15	17	1	5	3
16630	<i>Carduelis flammea</i> Redpoll	2	3	–	1	–
16650	<i>Loxia leucoptera</i> Two-barred Crossbill	1	1	–	–	–
16660	<i>Loxia curvirostra</i> Crossbill	12	19	–	1	–
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	11	12	2	–	–
17100	<i>Pyrhula pyrrhula</i> Bullfinch	2	2	–	–	–
17170	<i>Coccothraustes coccothraustes</i> Hawfinch	2	3	–	–	–
18570	<i>Emberiza citrinella</i> Yellowhammer	4	5	2	–	–
18770	<i>Emberiza schoeniclus</i> Reed Bunting	2	6	3	–	–
	Total birds	1,201	1,825	293	62	63
	Total species	56	56	34	17	17

a bird was retrapped at the site of ringing, place and date of the last retrap are given in brackets. The sign “–” before the ring number showed that there is no series letter. In this and previous reports (Bolshakov et al. 1999; 2000; 2002a, b; 2003; 2004; 2005; 2008; 2009a, b, c) rings with series “C”, “E”, “M”, “O”, “P”, “R”, “S”, “FS”, “KS”, “MB”, “N”, “PB”, “RZ”, “VD”, “VK”, “VS”, “VT”, “TA”, “XA”, “XB”, “XC”, “XD”, “XF”, “XG”, “XK”, “XL”, “XN”, “XS”, “XT” and “XY” bear the inscription “Moskwa”, series “K”, “V” and “AX” bear the inscription “Russia, Petersburg”.

On the lower line, recovery information (recovery date; sex; age; place of recovery – country, province, nearest site; coordinates, printed in parenthesis if only very roughly estimated); circumstances of recovery (see below); time elapsed between ringing and recovery dates in days; distance in km and direction in degrees (North – 0°, East – 90°). Distance was estimated according to the orthodrome, the great circle route and direction was estimated according to the loxodrome. If a bird was retrapped

several times at the place of ringing, the latest retrap was used for calculating the time elapsed. If a ring was added, ringing scheme and new ring no. are given.

Codes:

SEX – M – male; F – female; I – unknown.

AGE:

- 0 – age unknown, i.e. not recorded.
- 1 – pullus: nestling or chick, unable to fly freely, still able to be caught by hand.
- 2 – full-grown: able to fly freely but age otherwise unknown.
- 3 – first-year: full-grown bird hatched in the breeding season of this calendar year.
- 4 – after first year: full-grown bird hatched before this calendar year, year of birth otherwise unknown.
- 5 – second year: a bird born last calendar year and now in its second calendar year.
- 6 – after second year: full-grown bird born before last calendar year, year of birth otherwise unknown.

Circumstances of recovery:

- x – found dead
- (x) – found sick or wounded, later died
- xA – found dead long ago, remnants only: skeleton, leg with ring
- xE – hit overhead wires or electrocuted
- xG – collided with window, glasshouse, etc.
- xN – found dead in fish nets
- + – shot
- (+) – killed by man
- +K – killed by cat
- +M – killed by other mammal
- +Ac – killed by raptor
- +T – victim of traffic
- V – controlled: trapped and released with the same ring
- () – caught alive and released with another ring or ring removed
- C? – caught, further fate unknown
- r – ring only found
- rAc – ring found in a raptor pellet
- /?/ – manner of recovery unknown
- & – ring added
- (15.03.1999) – finding date is not known exactly, date when recovery letter was sent is given.

In cases when the exact date is not known:

- 00.03.1998 – exact date (day) of recovery is not known
 - beg.03.1998 – bird found in the beginning of the month
 - mid.03.1998 – bird found in the middle of the month
 - end.03.1998 – bird found in the end of the month
- In such cases time elapsed is recorded as 00.

4. Participants

The following members of the Biological Station, students, colleagues and amateur bird ringers participated in bird trapping and ringing in 2007 (listed by alphabetical order):

N. Chernetsov, E. Golubeva, E. Datnova, V. Grinkevich, V. Kosarev, P. Ktitorov, D. Leoke, F. Litvinov, M. Markovets, A. Mukhin, M. Paranicheva, A. Sinelschikova, A. Schapoval, N. Sosedova, L. Sokolov, E. Tronikova, A. Tsvey, V. Yefremov.

3.1. Long-distance recoveries of birds, ringed on the Courish Spit

02690. <i>Accipiter nisus</i>, Sparrowhawk (1)									
M 758308	12.10.2005	F	3	Russia, Fringilla	55.05N, 20.44E				
	18.03.2008	F	2	Germany, Niedersachsen, Wilstedt	53.10N, 9.05E	xA		888 days, 788 km, 254°	
10660. <i>Troglodytes troglodytes</i>, Wren (1)									
VK 40566	17.10.2009	I	3	Russia, Rybachy	55.09N, 20.51E				
	24.10.2009	I	3	Sweden, Blekinge, Utklippan	55.57N, 15.42E	V		7 days, 336 km, 285°	
10990. <i>Erithacus rubecula</i>, Robin (6)									
XF 73207	05.04.2005	I	5	Russia, Fringilla	55.05N, 20.44E				
	12.04.2006	I	2	Poland, Olsztyn, Olsztyn-Dajtki	53.46N, 20.25E	+K		372 days, 148 km, 188°	
XG 03448	01.10.2009	I	4	Russia, Rybachy	55.09N, 20.51E				
	25.10.2009	I	2	France, Loiret, Orleans	47.54N, 1.54E	+K		24 days, 1538 km, 238°	
XN 16408	05.10.2006	I	4	Russia, Rybachy	55.09N, 20.51E				
	03.10.2007	I	4	Sweden, Öland, Ottenby	56.12N, 16.24E	V		363 days, 302 km, 293°	
XN 19164	11.04.2007	I	5	Russia, Rybachy	55.09N, 20.51E				
	25.01.2008	I	2	Spain, Valencia, Alborache	39.22N, 0.45W	V		289 days, 2393 km, 223°	
XN 79896	25.09.2007	I	3	Russia, Rybachy	55.09N, 20.51E				
	28.01.2010	I	2	Italy, Verona, Il Dossetto - Povegliano Veronese	45.21N, 10.53E	V		856 days, 1299 km, 213°	
XY 46007	12.10.2006	I	3	Russia, Fringilla	55.05N, 20.44E				
	03.04.2007	I	5	Sweden, Öland, Ottenby	56.12N, 16.24E	V		173 days, 299 km, 295°	
11870. <i>Turdus merula</i>, Blackbird (2)									
P 977131	28.03.2006	M	6	Russia, Rybachy	55.09N, 20.51E				
	31.01.2009	I	2	Luxembourg, Remich	49.33N, 6.22E	xG		1040 days, 1163 km, 238°	
TA 34895	24.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E				
	04.11.2008	M	3	Germany, Mecklenburg-Vorpommern, Greifswalder Oie	54.15N, 13.55E	V		11 days, 448 km, 258°	

12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (2)									
XL 96384	03.05.2004	I	4	Russia, Rybachy	55.09N, 20.51E				814 days, 394 km, 34°
	26.07.2006	I	4	Estonia, Pärnu, Häädemeeste	58.05N, 24.29E	V			
XS 99272	21.06.2000	I	4	Russia, Fringilla	55.05N, 20.44E				
	04.05.2004	I	2	Spain, Ciudad Real, P. Nac. de las Tablas de Daimiel	39.03N, 3.42W	V			1413 days, 2567 km, 226°
12750. <i>Sylvia communis</i>, Whitethroat (1)									
XN 84830	19.08.2008	I	3	Russia, Rybachy	55.09N, 20.51E				
	29.05.2009	I	2	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	V			283 days, 32 km, 46°
12770. <i>Sylvia atricapilla</i>, Blackcap (1)									
XN 79459	24.09.2007	M	3	Russia, Rybachy	55.09N, 20.51E				
	11.05.2008	M	5	Poland, Gdansk, Kuznica	54.44N, 18.34E	V			230 days, 153 km, 252°
13140. <i>Regulus regulus</i>, Goldcrest (1)									
VK 31644	24.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E				
	30.10.2008	F	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			6 days, 117 km, 227°
14370. <i>Aegithalos caudatus</i>, Long-tailed Tit (6)									
VK 27634	16.10.2008	I	2	Russia, Rybachy	55.09N, 20.51E				
	21.10.2008	I	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			5 days, 127 km, 227°
VK 28347	15.10.2008	I	3	Russia, Fringilla	55.05N, 20.44E				
	23.10.2008	I	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			8 days, 117 km, 227°
VK 32052	25.10.2008	I	2	Russia, Fringilla	55.05N, 20.44E				
	31.10.2008	I	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			6 days, 117 km, 227°
VK 32172	25.10.2008	I	2	Russia, Fringilla	55.05N, 20.44E				
	01.11.2008	I	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			7 days, 117 km, 227°
VK 32180	25.10.2008	I	2	Russia, Fringilla	55.05N, 20.44E				
	01.11.2008	I	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			7 days, 117 km, 227°
VK 32182	25.10.2008	I	2	Russia, Fringilla	55.05N, 20.44E				
	01.11.2008	I	3	Poland, Gdansk, Mierzeja Wislana-Siekierki	54.22N, 19.24E	V			7 days, 117 km, 227°

14620. <i>Parus caeruleus</i>, Blue Tit (11)										
XP 32263	04.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	9 days, 285 km, 256°			
	13.10.2008	F	3	Poland, Koszalin, Bukowo-Kopan	54.27N, 16.25E	V				
XP 33771	09.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	15 days, 112 km, 226°			
	24.10.2008	M	3	Poland, Gdansk, Krynica Morska, Pomorskie	54.23N, 19.28E	V				
XP 34284	11.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E	V	359 days, 43 km, 46°			
	05.10.2009	M	5	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V				
XP 34713	11.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E	V	10 days, 285 km, 256°			
	21.10.2008	F	3	Poland, Koszalin, Bukowo-Kopan	54.27N, 16.25E	V				
XP 61548	17.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E	V	9 days, 285 km, 256°			
	26.10.2008	M	3	Poland, Koszalin, Bukowo-Kopan	54.27N, 16.25E	V				
XP 61920	18.10.2008	F	4	Russia, Fringilla	55.05N, 20.44E	V	10 days, 285 km, 256°			
	28.10.2008	F	4	Poland, Koszalin, Bukowo-Kopan	54.27N, 16.25E	V				
XP 64004	25.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	340 days, 43 km, 46°			
	30.09.2009	F	5	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V				
XP 68258	15.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E	V	329 days, 205 km, 32°			
	10.03.2010	I	2	Latvia, Saldus	56.39N, 22.29E	V				
XP 69183	11.04.2009	F	6	Russia, Rybachy	55.09N, 20.51E	V	159 days, 32 km, 46°			
	17.09.2009	F	4	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V				
XP 96766	15.08.2009	F	3	Russia, Fringilla	55.05N, 20.44E	V	28 days, 43 km, 46°			
	12.09.2009	F	3	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V				
XP 96923	26.08.2009	M	3	Russia, Fringilla	55.05N, 20.44E	V	15 days, 43 km, 46°			
	10.09.2009	M	3	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V				
14640. <i>Parus major</i>, Great Tit (17)										
XF 57654	14.10.2004	F	3	Russia, Fringilla	5.05N, 20.44E	V	727 days, 398 km, 35°			
	11.10.2006	F	6	Estonia, Pärnu, Kabli	58.01N, 24.27E	V				

XN 65604	02.06.2007 19.09.2009	I 1 M 4	Russia, Kaliningrad, Courish Spit Lithuania, Silute, Ventės Ragas	55.06N, 20.45E 55.21N, 21.13E	V	840 days, 41 km, 47°
XN 70102	03.10.2007 01.04.2008	F 3 F 5	Russia, Fringilla Poland, Gdansk, Kuznica	55.05N, 20.44E 54.44N, 18.34E	V	181 days, 144 km, 254°
XP 02136	29.05.2008 18.09.2008	I 1 M 3	Russia, Kaliningrad, Courish Spit Poland, Gdansk, Mierzeja Wislana-Siekierki	55.07N, 20.46E 54.22N, 19.24E	V	112 days, 121 km, 226°
XP 02470	03.06.2008 17.09.2009	I 1 M 4	Russia, Kaliningrad, Courish Spit Lithuania, Silute, Ventės Ragas	55.04N, 20.42E 55.21N, 21.13E	V	471 days, 45 km, 46°
XP 02668	09.07.2008 14.10.2008	I 1 F 3	Russia, Kaliningrad, Courish Spit Germany, Mecklenburg-Vorpommern, Greifswalder Oie	55.07N, 20.46E 54.15N, 13.55E	V	97 days, 450 km, 258°
XP 02730	08.07.2008 15.10.2008	I 1 F 3	Russia, Kaliningrad, Courish Spit Poland, Koszalin, Bukowo-Kopan	55.08N, 20.48E 54.27N, 16.25E	V	99 days, 291 km, 255°
XP 04877	02.08.2008 31.10.2008	M 3 M 3	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan	55.05N, 20.44E 54.27N, 16.25E	V	90 days, 285 km, 256°
XP 34177	10.10.2008 26.10.2008	F 3 F 3	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan	55.05N, 20.44E 54.27N, 16.25E	V	16 days, 285 km, 256°
XP 34426	11.10.2008 23.10.2008	F 3 F 3	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan	55.05N, 20.44E 54.27N, 16.25E	V	12 days, 285 km, 256°
XP 34768	11.10.2008 24.10.2008	M 3 M 3	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan	55.05N, 20.44E 54.27N, 16.25E	V	13 days, 285 km, 256°
XP 60260	13.10.2008 26.10.2008	F 3 F 3	Russia, Fringilla Poland, Szczecin, Miedzdroje	55.05N, 20.44E 53.56N, 14.27E	V	13 days, 425 km, 253°
XP 60757	14.10.2008 23.10.2008	F 3 F 4	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan	55.05N, 20.44E 54.27N, 16.25E	V	9 days, 285 km, 256°
XP 61311	16.10.2008 31.10.2008	F 3 F 3	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan	55.05N, 20.44E 54.27N, 16.25E	V	15 days, 285 km, 256°
XP 61452	17.10.2008 23.10.2008	F 4 F 4	Russia, Fringilla Poland, Gdansk, Mierzeja Wislana-Siekierki	55.05N, 20.44E 54.22N, 19.24E	V	6 days, 117 km, 227°

XP 65245	01.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E		194 days, 54 km, 27°
	12.10.2009	F	4	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	V	
XP 97880	20.09.2009	F	3	Russia, Fringilla	55.05N, 20.44E		40 days, 723 km, 261°
	30.10.2009	F	3	Germany, Schleswig-Holstein, Silzen, Schierenwald	54.01N, 9.40E	() Hel- goland 82035792	
16360. <i>Fringilla coelebs</i>, Chaffinch (4)							
XG 12085	06.10.2009	F	3	Russia, Fringilla	55.05N, 20.44E		152 days, 518 km, 241°
	07.03.2010	I	2	Germany, Brandenburg, Eberswalde	52.49N, 13.49E	xG	
XN 67635	20.09.2007	M	3	Russia, Fringilla	55.05N, 20.44E		612 days, 853 km, 5°
	24.05.2009	M	2	Finland, Vaasa, Kurikka, Niemenkyla	62.44N, 21.56E	xG	
XP 33559	08.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E		206 days, 852 km, 13°
	02.05.2009	I	2	Finland, Vaasa, Ahtari, Viertotie	62.33N, 24.06E	xG	
XY 44055	07.10.2006	M	3	Russia, Fringilla	55.05N, 20.44E		110 days, 325 km, 14°
	25.01.2007	M	5	Estonia, Saare, Sörve	57.55N, 22.03E	V	
16380. <i>Fringilla montifringilla</i>, Brambling (1)							
XP 33292	07.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E		144 days, 1424 km, 226°
	28.02.2009	F	2	Switzerland, Geneve, Thonex	46.11N, 6.11E	xG	
16530. <i>Carduelis carduelis</i>, Goldfinch (1)							
XP 94329	26.04.2009	M	6	Russia, Fringilla	55.05N, 20.44E		118 days, 343 km, 231°
	22.08.2009	M	6	Poland, Wielkopolskie, Szydłowo, Kotun	53.08N, 16.39E	+K	
16540. <i>Carduelis spinus</i>, Siskin (5)							
XP 04039	05.07.2008	M	3	Russia, Fringilla	55.05N, 20.44E		244 days, 1511 km, 235°
	06.03.2009	M	5	France, Nievre, Villatte, Varennes-les-Narcy	47.13N, 3.03E	V	
XP 68915	19.04.2009	M	5	Russia, Fringilla	55.05N, 20.44E		33 days, 716 km, 25°
	22.05.2009	M	5	Finland, Häme, Ylämäki, Notko, Nastola	60.55N, 25.53E	V	

XP 68986	20.04.2009	M	5	Russia, Fringilla	55.05N, 20.44E			9 days, 530 km, 355°	
	29.04.2009	M	5	Finland, Aland, Lemland, Lagskär	59.50N, 19.56E	V			
XP 95263	20.05.2009	M	6	Russia, Fringilla	55.05N, 20.44E			169 days, 1093 km, 203°	
	05.11.2009	M	4	Slovenia, Ljubljana, Bizovik	46.03N, 14.35E	V			
XP 97763	19.09.2009	F	3	Russia, Fringilla	55.05N, 20.44E			31 days, 1246 km, 215°	
	20.10.2009	F	3	Italy, Trento, Tiarno di Sopra, Caset	45.52N, 10.41E	V			
16630. <i>Carduelis flammea</i>, Redpoll (1)									
VD 78365	08.05.2006	F	5	Russia, Fringilla	55.05N, 20.44E			264 days, 433 km, 307°	
	27.01.2007	I	6	Sweden, Jonkoping, Vetlanda, Reningsverket	57.25N, 15.07E	V			
16660. <i>Loxia curvirostra</i>, Common Crossbill (1)									
TA 48295	05.07.2009	F	6	Russia, Fringilla	55.05N, 20.44E			76 days, 587 km, 216°	
	19.09.2009	I	2	Poland, Wroclaw, Szklarska Poreba	50.50N, 15.31E	(x)			
3.2. Controls of birds, ringed outside the Courish Spit									
01520. <i>Cygnus olor</i>, Mute Swan (2)									
AC 2635	Poland, Gdansk	16.09.2005	M	3	Poland, Szczecin, Morzyczyn, Kobylanka	53.21N, 14.56E		1329 days, 379 km, 62°	
		07.05.2009	I	2	Russia, Kaliningrad, Svetlogorsk, Otradnoye	54.56N, 20.06E	V		
AC 8036	Poland, Gdansk	31.12.2007	I	6	Poland, Gdansk, Gdynia	54.31N, 18.32E		493 days, 111 km, 65°	
		07.05.2009	I	2	Russia, Kaliningrad, Svetlogorsk, Otradnoye	54.56N, 20.06E	V		
02690. <i>Accipiter nisus</i>, Sparrowhawk (2)									
S 268069	Finland, Helsinki	13.08.2006	F	3	Finland, Uusimaa, Hanko, Tullintemi	59.49N, 22.54E		55.05N, 20.44E & M 758354	
		29.08.2006	F	3	Russia, Fringilla	55.05N, 20.44E		16 days, 542 km, 194°	
S 285058	Finland, Helsinki	26.04.2007	F	1	Finland, Turku-Pori, Raisio	60.31N, 21.07E		55.05N, 20.44E & M 758468	
		05.10.2008	F	4	Russia, Fringilla	55.05N, 20.44E		528 days, 604 km, 182°	

03010. <i>Pandion haliaetus</i>, Osprey (1)									
M 48287	Finland, Helsinki	05.07.2004	I 1	Finland, Häme, Kalvola, Kankainen	61.04N, 24.12E				
		02.07.2006	I 2	Russia, Kaliningrad, Courish Spit	55.05N, 20.43E	x		727 days, 696 km, 197°	
10200. <i>Motacilla alba</i>, White Wagtail (1)									
VU 03358	Lithuania, Kaunas	11.07.2009	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E				
		24.08.2009	I 3	Russia, Fringilla	55.05N, 20.44E	V		44 days, 43 km, 226°	
10840. <i>Prunella modularis</i>, Dunnock (1)									
B 118071	Switzerland, Sempach	15.10.2005	M 4	Switzerland, Geneve, Suisse	46.10N, 5.59E				
		31.03.2009	I 6	Russia, Fringilla	55.05N, 20.44E	& XP 65018		1263 days, 1436 km, 46°	
10990. <i>Erithacus rubecula</i>, Robin (2)									
TC 90752	Czech Republic, Prague	07.10.2006	I 3	Czech Republic, Bohemia, Vosecka bounda, Semily	50.47N, 15.31E				
		27.04.2007	I 5	Russia, Rybachy	55.09N, 20.51E	& XN 22626		202 days, 602 km, 36°	
9D 60924	Denmark, Copenhagen	24.09.2008	I 3	Denmark, Bornholm, Christianso, Grasholm	55.19N, 15.11E				
		28.09.2008	I 3	Russia, Rybachy	55.09N, 20.51E	& XP 09598		4 days, 359 km, 93°	
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (3)									
102951	H Finland, Helsinki	15.08.2007	I 4	Finland, Uusimaa, Espoo	60.12N, 24.49E				
		25.05.2008	I 4	Russia, Fringilla	55.05N, 20.44E	V		284 days, 618 km, 203°	
6125076	France, Paris	22.08.2008	I 3	France, Nord, La Neuville, Tailles	50.29N, 3.02E				
		23.07.2009	I 4	Russia, Rybachy	55.09N, 20.51E	& XG 01756		335 days, 1304 km, 67°	
VU 05018	Lithuania, Kaunas	29.07.2009	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E				
		31.07.2009	I 4	Russia, Rybachy	55.09N, 20.51E	& XG 01923		2 days, 32 km, 226°	
12750. <i>Sylvia communis</i>, Whitethroat (1)									
VZ 53360	Lithuania, Kaunas	12.08.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E				
		25.06.2009	M 5	Russia, Fringilla	55.05N, 20.44E	V		317 days, 43 km, 226°	
12770. <i>Sylvia atricapilla</i>, Blackcap (1)									
9X 46917	Denmark, Copenhagen	25.09.2005	M 3	Denmark, Blavand, Jylland, Oksbol	55.33N, 8.05E				
		01.05.2009	I 2	Russia, Kaliningrad, Chernyakhovsk	54.38N, 21.48E	+T		1314 days, 878 km, 97°	

13110. <i>Phylloscopus collybitus</i>, Chiffchaff (1)										
24050L	Finland, Helsinki	03.10.2006	I	4	Finland, Aland, Lemland, Lagskär	59.50N, 19.56E				
		10.10.2006	I	2	Russia, Fringilla	55.05N, 20.44E	V		7 days, 530 km, 175°	
13140. <i>Regulus regulus</i>, Goldcrest (3)										
F80498	Czech Republic, Prague	27.10.2007	M	3	Czech Republic, Praha, Struharov	49.57N, 14.45E				
		08.04.2008	M	5	Russia, Rybachy	55.09N, 20.51E	& VK 15647		164 days, 710 km, 35°	
LH39913	Poland, Gdansk	26.09.2007	M	3	Poland, Koszalin, Bukowo-Kopan	54.27N, 16.25E				
		06.04.2008	M	5	Russia, Rybachy	55.09N, 20.51E	& VK 15449		193 days, 294 km, 75°	
LH41948	Poland, Gdansk	06.11.2007	F	3	Poland, Koszalin, Bukowo-Kopan	54.27N, 16.25E				
		06.04.2008	F	5	Russia, Rybachy	55.09N, 20.51E	& VK 15425		152 days, 294 km, 75°	
13490. <i>Ficedula hypoleuca</i>, Pied Flycatcher (1)										
980109J	Finland, Helsinki	25.06.2005	I	1	Finland, Turku-Pori, Hameenkyro	61.40N, 23.17E				
		11.05.2006	M	5	Russia, Rybachy	55.09N, 20.51E	& VD 75785		320 days, 738 km, 191°	
14610. <i>Parus ater</i>, Coal Tit (2)										
9R16996	Denmark, Copenhagen	25.10.2008	I	3	Denmark, Blavand, Jylland, Oksbol	55.33N, 8.05E				
		15.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E	& XP 68283		172 days, 801 km, 94°	
JA09111	Latvia, Riga	20.09.2009	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E				
		23.09.2009	F	3	Russia, Fringilla	55.05N, 20.44E	& XG 06656		3 days, 120 km, 189°	
14620. <i>Parus caeruleus</i>, Blue Tit (26)										
10210621	Belgium, Bruxelles	04.11.2007	M	4	Belgium, Brabant, Glabbeek, Zuurbemde	50.52N, 4.57E				
		12.10.2008	M	4	Russia, Fringilla	55.05N, 20.44E	& XP 60150		343 days, 1155 km, 66°	
10268681	Belgium, Bruxelles	16.11.2007	M	4	Belgium, Liege, Retinne	50.38N, 5.42E				
		18.10.2008	M	4	Russia, Fringilla	55.05N, 20.44E	& XP 61918		337 days, 1123 km, 64°	
10298437	Belgium, Bruxelles	31.10.2007	F	4	Belgium, Brabant, Heverlee	50.51N, 4.41E				
		29.03.2008	F	6	Russia, Rybachy	55.09N, 20.51E	& XN76282		150 days, 1182 km, 66°	

10317048	Belgium, Bruxelles	12.02.2008	M 5	Belgium, West-Vlaanderen, Anzegem	50.50N, 3.28E		
		22.09.2008	M 4	Russia, Rybachy	55.09N, 20.51E	& XP 09065	223 days, 1258 km, 68°
10602840	Belgium, Bruxelles	27.10.2007	F 3	Belgium, Liege, Montzen	50.42N, 5.57E		
		13.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E	& XP 60518	352 days, 1104 km, 64°
10618075	Belgium, Bruxelles	03.11.2007	I 3	Belgium, Brabant, Averbode	51.01N, 4.58E		
		20.04.2008	F 5	Russia, Fringilla	55.05N, 20.44E	& XN 72682	169 days, 1146 km, 67°
90019857	Germany, Helgoland	23.10.2007	M 3	Germany, Kassel, Friendorf-Forsthaus Komberg	50.56N, 9.19E		
		12.06.2008	F 6	Russia, Kaliningrad, Courish Spit	55.08N, 20.49E	V	233 days, 899 km, 59°
240525H	Finland, Helsinki	05.10.2008	I 3	Finland, Uusimaa, Hanko, Tulliniemi	59.49N, 22.54E		
		25.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E	& XP 64002	20 days, 542 km, 194°
J163840	Latvia, Riga	03.10.2009	M 3	Latvia, Liepaja, Pape	56.10N, 21.01E		
		12.10.2009	M 3	Russia, Rybachy	55.09N, 20.51E	& XG 04435	9 days, 113 km, 185°
VU09538	Lithuania, Kaunas	18.09.2009	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		24.09.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 07082	6 days, 43 km, 226°
VU09974	Lithuania, Kaunas	19.09.2009	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		23.09.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 06681	4 days, 43 km, 226°
VU18991	Lithuania, Kaunas	25.09.2009	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		01.10.2009	F 3	Russia, Rybachy	55.09N, 20.51E	& XG 03478	6 days, 32 km, 226°
VU26169	Lithuania, Kaunas	29.09.2009	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		05.10.2009	M 3	Russia, Fringilla	55.05N, 20.44E	& XG 11831	6 days, 43 km, 226°
VU28017	Lithuania, Kaunas	29.09.2009	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		06.10.2009	M 3	Russia, Fringilla	55.05N, 20.44E	& XG 12080	7 days, 43 km, 226°
VU28130	Lithuania, Kaunas	29.09.2009	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		06.10.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 12081	7 days, 43 km, 226°
VU28523	Lithuania, Kaunas	30.09.2009	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		04.10.2009	M 3	Russia, Fringilla	55.05N, 20.44E	& XG 11445	4 days, 43 km, 226°

VU29129 Lithuania, Kaunas	30.09.2009	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	07.10.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 12842	7 days, 43 km, 226°
VU32937 Lithuania, Kaunas	05.10.2009	M 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	10.10.2009	M 3	Russia, Fringilla	55.05N, 20.44E	& XG 14082	5 days, 43 km, 226°
VU34630 Lithuania, Kaunas	05.10.2009	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	10.10.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 13933	5 days, 43 km, 226°
VU36344 Lithuania, Kaunas	06.10.2009	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	09.10.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 13641	3 days, 43 km, 226°
VU36396 Lithuania, Kaunas	06.10.2009	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	10.10.2009	F 3	Russia, Fringilla	55.05N, 20.44E	& XG 14031	4 days, 43 km, 226°
VU37296 Lithuania, Kaunas	13.10.2009	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	20.10.2009	F 3	Russia, Rybachy	55.09N, 20.51E	& XG 04676	7 days, 32 km, 226°
VZ26647 Lithuania, Kaunas	21.09.2007	M 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	26.09.2009	M 4	Russia, Rybachy	55.09N, 20.51E	& XG 03076	736 days, 32 km, 226°
VZ62308 Lithuania, Kaunas	17.09.2008	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	04.04.2009	F 5	Russia, Fringilla	55.05N, 20.44E	V	199 days, 43 km, 226°
VZ70829 Lithuania, Kaunas	12.10.2008	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	10.10.2009	F 4	Russia, Fringilla	55.05N, 20.44E	& XG 13857	363 days, 43 km, 226°
XA 489195 Moskva	29.09.2008	F 2	Russia, Pskov, Gdov, Prëvo	58.41N, 27.56E		
	15.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E	V	16 days, 592 km, 228°
14640. <i>Parus major</i>, Great Tit (14)						
099716V Finland, Helsinki	05.06.2008	I 1	Finland, Uusimaa, Helsinki	60.13N, 25.10E		
	21.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E	& XP 62791	138 days, 628 km, 205°
VU10120 Lithuania, Kaunas	17.09.2009	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
	20.09.2009	F 3	Russia, Fringilla	55.05N, 20.44E	V	3 days, 43 km, 226°

VU12171 Lithuania, Kaunas	19.09.2009 F 3 Lithuania, Šilute, Ventės Ragas 26.09.2009 F 3 Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E & XG 07650	7 days, 43 km, 226°
VU17197 Lithuania, Kaunas	25.09.2009 F 3 Lithuania, Šilute, Ventės Ragas 30.09.2009 F 3 Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E & XG 03401	5 days, 32 km, 226°
VU20461 Lithuania, Kaunas	25.09.2009 M 3 Lithuania, Šilute, Ventės Ragas 30.09.2009 M 3 Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E & XG 03424	5 days, 32 km, 226°
VU23350 Lithuania, Kaunas	28.09.2009 F 3 Lithuania, Šilute, Ventės Ragas 30.09.2009 F 3 Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E & XG 03423	2 days, 32 km, 226°
VU23362 Lithuania, Kaunas	28.09.2009 F 3 Lithuania, Šilute, Ventės Ragas 02.10.2009 F 3 Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E V	4 days, 43 km, 226°
VU24212 Lithuania, Kaunas	26.09.2009 F 3 Lithuania, Šilute, Ventės Ragas 30.09.2009 F 3 Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E & XG 03418	4 days, 32 km, 226°
VU24289 Lithuania, Kaunas	26.09.2009 F 3 Lithuania, Šilute, Ventės Ragas 30.09.2009 F 3 Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E V	4 days, 43 km, 226°
VU35332 Lithuania, Kaunas	06.10.2009 F 3 Lithuania, Šilute, Ventės Ragas 08.10.2009 F 3 Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E V	2 days, 43 km, 226°
VU36310 Lithuania, Kaunas	06.10.2009 F 3 Lithuania, Šilute, Ventės Ragas 09.10.2009 F 3 Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E & XG 13660	3 days, 43 km, 226°
VU40875 Lithuania, Kaunas	19.10.2009 F 3 Lithuania, Šilute, Ventės Ragas 21.10.2009 F 3 Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E & XG 14677	2 days, 43 km, 226°
VX81796 Lithuania, Kaunas	03.10.2009 M 3 Lithuania, Neringa 06.10.2009 M 3 Russia, Fringilla	55.27N, 21.04E 55.05N, 20.44E & XG 12088	3 days, 46 km, 207°

XA489520 Moskwa	03.10.2008 I 2 29.03.2009 M 5	Russia, Pskov, Gdov, Pniëvo Russia, Rybachy	58.41N, 27.56E 55.09N, 20.51E	V	177 days, 582 km, 228°
15820. <i>Sturnus vulgaris</i>, Starling (1)					
KV59538 Lithuania, Kaunas	01.07.2009 I 3 12.07.2009 M 3	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& TA 48697	11 days, 43 km, 226°
16360. <i>Fringilla coelebs</i>, Chaffinch (1)					
VZ61401 Lithuania, Kaunas	25.09.2008 F 4 23.04.2009 F 6	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 94105	210 days, 43 km, 226°
16540. <i>Carduelis spinus</i>, Siskin (3)					
10165066 Belgium, Bruxelles	23.02.2008 M 5 22.04.2008 M 5	Belgium, Limburg, Eksel Russia, Fringilla	51.09N, 5.24E 55.05N, 20.44E	& XN 73090	59 days, 1112 km, 67°
124764H Finland, Helsinki	20.09.2006 F 3 26.10.2006 F 3	Finland, Häme, Lahti Russia, Fringilla	60.58N, 25.41E 55.05N, 20.44E	& XY 48445	36 days, 716 km, 204°
884237J Finland, Helsinki	17.09.2006 M 3 16.10.2006 M 3	Finland, Oulu Russia, Fringilla	65.03N, 25.25E 55.05N, 20.44E	& XY 46471	29 days, 1137 km, 193°

3.3. Data with ringing information still not available

Species unknown (1)					
MM20809 Finland, Helsinki	10.02.2009 I 2	Russia, Kaliningrad, Primorskaya bucht	55.56N, 20.02E		xN
02690. <i>Accipiter nisus</i>, Sparrowhawk (2)					
S252585 Finland, Helsinki	20.04.2009 F 6	Russia, Fringilla	55.05N, 20.44E		& M 758491

ST091589	Finland, Helsinki	13.09.2009	F	3	Russia, Fringilla	55.05N, 20.44E	& M 758511
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (3)							
10574189	Bruxelles, Belgium	09.07.2009	M	4	Russia, Rybachy	55.09N, 20.51E	& XG 01523
VZ14666	Lithuania, Kaunas	21.05.2009	I	6	Russia, Rybachy	55.09N, 20.51E	V
CC15027	Riksmuseum, Stockholm	03.08.2009	M	4	Russia, Rybachy	55.09N, 20.51E	& XN 83790
12750. <i>Sylvia communis</i>, Whitethroat (1)							
1A53721	Italy, Bologna	31.05.2009	F	4	Russia, Fringilla	55.05N, 20.44E	& XP 95448
14370. <i>Aegithalos caudatus</i>, Long-tailed Tit (1)							
XC09294	Estonia, Matsalu	27.03.2009	I	4	Russia, Rybachy	55.09N, 20.51E	& VK 19994
14620. <i>Parus caeruleus</i>, Blue Tit (5)							
VA37499	Estonia, Matsalu	06.10.2009	M	3	Russia, Fringilla	55.05N, 20.44E	& XG 12753
VA43917	Estonia, Matsalu	15.10.2009	M	3	Russia, Fringilla	55.05N, 20.44E	& XG 14218
BIY8323	Germany, Radolfzell	22.09.2009	M	4	Russia, Fringilla	55.05N, 20.44E	& XG 06434
K7B5243	Poland, Gdansk	22.09.2009	F	4	Russia, Fringilla	55.05N, 20.44E	& XG 06433
KB81228	Poland, Gdansk	06.10.2009	F	4	Russia, Fringilla	55.05N, 20.44E	& XG 12095
14640. <i>Parus major</i>, Great Tit (2)							
PC33535	Germany, Hiddensee	04.10.2009	F	4	Russia, Fringilla	55.05N, 20.44E	& XG 11178

AN25105 Netherlands, Arnhem	03.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E	& XP 65396
14900. <i>Remiz pendulinus</i>, Penduline Tit (1)						
AY31112 Italy, Bologna	25.07.2009	F	4	Russia, Rybachy	55.09N, 20.51E	& XG 01793
16360. <i>Fringilla coelebs</i>, Chaffinch (1)						
081101V Finland, Helsinki	03.10.2009	M	4	Russia, Fringilla	55.05N, 20.44E	& XG 10800
16380. <i>Fringilla montifringilla</i>, Brambling (1)						
202637V Finland, Helsinki	03.10.2009	M	4	Russia, Fringilla	55.05N, 20.44E	& XG 09870
16490. <i>Carduelis chloris</i>, Greenfinch (1)						
207276V Finland, Helsinki	05.04.2009	F	6	Russia, Fringilla	55.05N, 20.44E	& N 00425
16540. <i>Carduelis spinus</i>, Siskin (3)						
X 037376 Great Britain, London	06.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E	& XP 66602
146770H Finland, Helsinki	25.06.2009	M	5	Russia, Fringilla	55.05N, 20.44E	& XP 95869
GX7563 Italy, Bologna	20.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E	& XP 93119

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