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Results of bird trapping and ringing by the Biological Station "Rybachy" on the Courish Spit in 2010

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In 2010, a grand total of 45,718 birds of 99 species were trapped and ringed by the Biological Station "Rybachy" in the framework of long- and short-term research projects. A total of 1,727 ringed birds of 59 species produced 2,748 recaptures. In 2010, 304 birds of 34 species ringed on the Courish Spit in previous years were retrapped. Between 15.03.2010 and 15.03.2011, 92 birds of 25 species ringed on the Courish Spit were reported as recovered more than 20 km from the ringing site. In 2010, 125 birds of 21 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.

Keywords: bird ringing, retraps, long-distance recoveries, research projects

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This annual report is the 13th 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; 2010) 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 passerines 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" in 2010: trap 4 (NE orientation of entrance) – from March 31 until September 23, trap 5 (SW orientation of entrance) – from April 01 until October 29. 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 2010, 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. Near pools at "Fringilla" 5,707 birds were mist-netted and ringed.

Table 1. Numbers of birds ringed by Biological station “Rybachy” in 2010.

EURING code	Species*	Rybachy- type traps ("Fringilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
00030	<i>Gavia arctica</i> Black-throated Diver	–	–	–	–	–	–	1
00090	<i>Podiceps cristatus</i> Great Crested Grebe	–	–	–	–	–	–	1
00720	<i>Phalacrocorax carbo</i> Cormorant	–	–	–	–	–	–	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	–	–	–	–	1	1	3
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	1	1	–	–	–	2	45
02690	<i>Accipiter nisus</i> Sparrowhawk	70	2	–	–	–	72	7,232

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
02870	<i>Buteo buteo</i> Buzzard	1	–	–	–	–	1	23
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	–	–	–	–	–	–	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
04970	<i>Calidris alba</i> Sanderling	–	–	–	–	–	–	6
05010	<i>Calidris minuta</i> Little Stint	–	–	–	–	–	–	1

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
05120	<i>Calidris alpina</i> Dunlin	–	–	–	–	–	–	7
05170	<i>Philomachus pugnax</i> Ruff	–	–	–	–	–	–	7
05180	<i>Lymnocyptes minima</i> Jack Snipe	–	–	–	–	–	–	17
05190	<i>Gallinago gallinago</i> Snipe	–	–	–	–	–	–	32
05290	<i>Scolopax rusticola</i> Woodcock	1	–	–	–	–	1	210
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
06650	<i>Columba livia</i> Rock Dove	–	–	–	–	–	–	14
06680	<i>Columba oenas</i> Stock Dove	–	–	–	–	–	–	17

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
06700	<i>Columba palumbus</i> Woodpigeon	–	–	1	–	–	1	66
06840	<i>Streptopelia decaocto</i> Collared Dove	–	–	–	–	–	–	34
06870	<i>Streptopelia turtur</i> Turtle Dove	–	–	–	–	–	–	124
07240	<i>Cuculus canorus</i> Cuckoo	20	–	–	–	–	20	1,472
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	–	–	–	–	–	–	60
07670	<i>Asio otus</i> Long-eared Owl	7	–	–	–	–	7	3,357
07680	<i>Asio flammeus</i> Short-eared Owl	–	–	–	–	–	–	57
07700	<i>Aegolius funereus</i> Tengmalm's Owl	2	1	–	–	–	3	337
07780	<i>Caprimulgus europaeus</i> Nightjar	–	–	–	–	–	–	422
07950	<i>Apus apus</i> Swift	5	–	–	–	–	5	656
08310	<i>Alcedo atthis</i> Kingfisher	–	1	–	–	–	1	212
08410	<i>Coracias garrulus</i> Roller	–	–	–	–	–	–	3
08460	<i>Upupa epops</i> Hoopoe	–	–	–	–	–	–	168
08480	<i>Jynx torquilla</i> Wryneck	1	6	–	–	–	7	1,178
08550	<i>Picus canus</i> Grey-headed Woodpecker	–	–	–	–	–	–	7
08560	<i>Picus viridis</i> Green Woodpecker	–	–	–	–	–	–	2

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
08630	<i>Dryocopus martius</i> Black Woodpecker	–	–	–	–	–	–	15
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	42	17	–	–	23	82	3,169
08830	<i>Dendrocopos medius</i> Middle Spotted Woodpecker	–	1	–	–	–	1	61
08840	<i>Dendrocopos leucotos</i> White-backed Woodpecker	–	–	–	–	–	–	4
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	2	6	–	–	–	8	468
09740	<i>Lullula arborea</i> Woodlark	6	–	–	–	–	6	4,774
09760	<i>Alauda arvensis</i> Skylark	–	–	–	–	–	–	488
09780	<i>Eremophilla alpestris</i> Shore Lark	–	–	–	–	–	–	5
09810	<i>Riparia riparia</i> Sand Martin	3	1	–	–	–	4	5,088
09920	<i>Hirundo rustica</i> Swallow	164	15	35	–	6	220	11,484
10010	<i>Delichon urbica</i> House Martin	62	–	–	–	–	62	8,604
10020	<i>Anthus novaseelandiae</i> Richard's Pipit	–	–	–	–	–	–	3
10050	<i>Anthus campestris</i> Tawny Pipit	–	–	–	–	–	–	138
10090	<i>Anthus trivialis</i> Tree Pipit	10	2	–	–	23	35	6,081
10110	<i>Anthus pratensis</i> Meadow Pipit	3	1	–	–	–	4	11,033
10140	<i>Anthus spinoletta</i> Water Pipit	–	–	–	–	–	–	3

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps (“Frin- gilla”)	Mist- nets (“Ryba- chy”)	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
10142	<i>Anthus petrosus</i> Rock Pipit	–	–	–	–	–	–	1
10170	<i>Motacilla flava</i> Yellow Wagtail	1	21	–	–	–	22	2,861
10180	<i>Motacilla citreola</i> Citrine Wagtail	–	–	–	–	–	–	1
10190	<i>Motacilla cinerea</i> Grey Wagtail	–	–	–	–	1	1	11
10200	<i>Motacilla alba</i> Pied Wagtail	254	48	25	–	10	337	12,316
10480	<i>Bombycilla garrulus</i> Waxwing	2	28	–	–	–	30	1,325
10500	<i>Cinclus cinclus</i> Dipper	–	–	–	–	–	–	1
10660	<i>Troglodytes troglodytes</i> Wren	59	228	–	–	33	320	12,797
10840	<i>Prunella modularis</i> Dunnock	10	203	–	–	22	235	6,355
10990	<i>Erithacus rubecula</i> Robin	1,269	3,034	–	–	678	4,981	178,370
11030	<i>Luscinia luscinia</i> Thrush Nightingale	1	84	–	–	11	96	2,412
11060	<i>Luscinia svecica</i> Bluethroat	1	4	–	–	1	6	222
11130	<i>Tarsiger cyanurus</i> Red-flanked Bluetail	–	–	–	–	–	–	2
11210	<i>Phoenicurus ochruros</i> Black Redstart	37	–	–	–	5	42	1,531
11220	<i>Phoenicurus phoenicurus</i> Redstart	59	53	–	1	9	122	13,533
11370	<i>Saxicola rubetra</i> Whinchat	13	9	–	–	–	22	3,270
11390	<i>Saxicola torquata</i> Stonechat	–	–	–	–	–	–	3
11460	<i>Oenanthe oenanthe</i> Northern Wheatear	8	–	–	–	–	8	857
11860	<i>Turdus torquatus</i> Ring Ouzel	–	–	–	–	–	–	14

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
11870	<i>Turdus merula</i> Blackbird	172	189	10	–	28	399	13,440
11980	<i>Turdus pilaris</i> Fieldfare	16	2	–	–	–	18	2,531
12000	<i>Turdus philomelos</i> Song Thrush	134	234	5	–	16	389	27,901
12010	<i>Turdus iliacus</i> Redwing	33	11	–	–	2	46	6,219
12020	<i>Turdus viscivorus</i> Mistle Thrush	9	–	–	–	–	9	306
12360	<i>Locustella naevia</i> Grasshopper Warbler	5	10	–	–	2	17	726
12370	<i>Locustella fluviatilis</i> River Warbler	1	–	–	–	1	2	160
12380	<i>Locustella luscinioides</i> Savi's Warbler	–	4	–	–	–	4	88
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	4	338	–	–	62	404	10,185
12470	<i>Acrocephalus agricola</i> Paddyfield Warbler	–	–	–	–	–	–	5
12480	<i>Acrocephalus dumetorum</i> Blyth's Reed Warbler	–	1	–	–	–	1	98
12500	<i>Acrocephalus palustris</i> Marsh Warbler	2	227	–	–	43	272	6,091
12510	<i>Acrocephalus scirpaceus</i> Reed Warbler	–	724	31	15	117	887	20,591
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	–	137	–	–	29	166	3,148
12560	<i>Hippolais caligata</i> Booted Warbler	–	–	–	–	–	–	6
12590	<i>Hippolais icterina</i> Icterine Warbler	48	54	11	–	77	190	11,505
12650	<i>Sylvia cantillans</i> Subalpine Warbler	–	–	–	–	–	–	4
12670	<i>Sylvia melanocephala</i> Sardinian Warbler	–	1	–	–	–	1	1

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
12730	<i>Sylvia nisoria</i> Barred Warbler	2	1	–	–	–	3	3,973
12740	<i>Sylvia curruca</i> Lesser Whitethroat	80	81	20	–	21	202	19,237
12750	<i>Sylvia communis</i> Whitethroat	61	106	–	–	41	208	13,331
12760	<i>Sylvia borin</i> Garden Warbler	64	398	15	–	177	654	23,264
12770	<i>Sylvia atricapilla</i> Blackcap	65	676	15	–	270	1,026	24,903
12930	<i>Phylloscopus trochiloides</i> Greenish Warbler	–	4	–	–	–	4	108
12980	<i>Phylloscopus proregulus</i> Pallas's Warbler	–	2	–	–	–	2	27
13000	<i>Phylloscopus inornatus</i> Yellow-browed Warbler	3	1	–	–	1	5	112
13010	<i>Phylloscopus schwarzi</i> Radde's Warbler	–	–	–	–	–	–	3
13030	<i>Phylloscopus fuscatus</i> Dusky Warbler	–	–	–	–	–	–	2
13070	<i>Phylloscopus bonelli</i> Bonelli's Warbler	1	–	–	–	–	1	1
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	100	58	–	–	87	245	16,119
13110	<i>Phylloscopus collybita</i> Chiffchaff	145	147	–	–	5	297	11,892
13120	<i>Phylloscopus trochilus</i> Willow Warbler	799	385	7	–	205	1,396	156,420
13140	<i>Regulus regulus</i> Goldcrest	4,535	2,183	–	–	147	6,865	374,113
13150	<i>Regulus ignicapillus</i> Firecrest	1	3	–	–	–	4	83
13350	<i>Muscicapa striata</i> Spotted Flycatcher	39	102	2	–	54	197	10,382
13430	<i>Ficedula parva</i> Red-breasted Flycatcher	1	15	–	–	3	19	1,200
13480	<i>Ficedula albicollis</i> Collared Flycatcher	–	–	–	–	1	1	25

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	48	159	154	29	83	473	28,108
13640	<i>Panurus biarmicus</i> Bearded Tit	–	19	–	–	–	19	498
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	4,345	1,955	–	–	99	6,399	60,510
14400	<i>Parus palustris</i> Marsh Tit	11	14	4	1	15	45	2,255
14420	<i>Parus montanus</i> Willow Tit	33	1	–	–	4	38	2,286
14540	<i>Parus cristatus</i> Crested Tit	5	–	–	–	1	6	768
14610	<i>Parus ater</i> Coal Tit	161	2	25	1	21	210	55,819
14620	<i>Parus caeruleus</i> Blue Tit	731	370	14	3	68	1,186	92,882
14640	<i>Parus major</i> Great Tit	2,338	541	201	21	157	3,258	232,169
14790	<i>Sitta europaea</i> Nuthatch	1	4	–	–	2	7	379
14860	<i>Certhia familiaris</i> Treetreeper	38	323	–	–	23	384	6,776
14870	<i>Certhia brachydactyla</i> Short-toed Treetreeper	–	–	–	–	–	–	17
14900	<i>Remiz pendulinus</i> Penduline Tit	–	62	–	–	14	76	1,204
15080	<i>Oriolus oriolus</i> Golden Oriole	1	–	–	–	–	1	285
15150	<i>Lanius collurio</i> Red-backed Shrike	13	17	–	–	10	40	3,444
15200	<i>Lanius excubitor</i> Great Grey Shrike	–	–	–	–	–	–	113
15390	<i>Garrulus glandarius</i> Jay	13	2	–	–	1	16	6,405
15490	<i>Pica pica</i> Magpie	–	–	–	–	–	–	86
15570	<i>Nucifraga caryocatactes</i> Nutcraacker	–	–	–	–	–	–	471

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Fringilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
15600	<i>Corvus monedula</i> Jackdaw	–	–	–	–	–	–	78
15630	<i>Corvus frugilegus</i> Rook	–	–	–	–	–	–	60
15672	<i>Corvus corone cornix</i> Hooded Crow	1	–	–	–	–	1	72
15720	<i>Corvus corax</i> Raven	–	–	–	–	–	–	4
15820	<i>Sturnus vulgaris</i> Starling	1,190	79	–	–	33	1,302	107,986
15910	<i>Passer domesticus</i> House Sparrow	–	1	–	–	67	68	1,022
15980	<i>Passer montanus</i> Tree Sparrow	2	10	–	–	67	79	337
16360	<i>Fringilla coelebs</i> Chaffinch	5,057	243	14	–	152	5,466	753,134
16380	<i>Fringilla montifringilla</i> Brambling	341	25	–	–	13	379	74,007
16400	<i>Serinus serinus</i> Serin	8	–	–	–	–	8	457
16490	<i>Carduelis chloris</i> Greenfinch	43	20	–	–	58	121	7,744
16530	<i>Carduelis carduelis</i> Goldfinch	10	7	–	–	1	18	3,094
16540	<i>Carduelis spinus</i> Siskin	1,312	34	–	–	2,322	3,668	222,060
16600	<i>Carduelis cannabina</i> Linnet	4	–	–	–	–	4	1,637
16620	<i>Carduelis flavirostris</i> Twite	–	–	–	–	–	–	32
16630	<i>Carduelis flammea</i> Redpoll	64	78	–	–	10	152	13,766
16640	<i>Carduelis hornemanni</i> Arctic Redpoll	–	–	–	–	–	–	18
16650	<i>Loxia leucoptera</i> Two-barred Crossbill	–	–	–	–	–	–	21

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2010	Grand total 1956– 2010
				Nest- lings	Adults			
16660	<i>Loxia curvirostra</i> Crossbill	24	1	–	–	901	926	15,329
16680	<i>Loxia pytyopsittacus</i> Parrot Crossbill	–	–	–	–	–	–	17
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	10	57	–	–	42	109	7,040
16990	<i>Pinicola enucleator</i> Pine Grosbeak	–	–	–	–	–	–	1
17100	<i>Pyrhula pyrrhula</i> Bullfinch	273	98	–	–	58	429	14,459
17170	<i>Coccothraustes coccothraustes</i> Hawfinch	10	19	–	–	6	35	1,761
18470	<i>Calcarius lapponicus</i> Lapland Bunting	–	–	–	–	–	–	3
18500	<i>Plectrophenax nivalis</i> Snow Bunting	–	–	–	–	–	–	1
18570	<i>Emberiza citrinella</i> Yellowhammer	31	–	–	–	6	37	4,736
18660	<i>Emberiza hortulana</i> Ortolan Bunting	–	–	–	–	–	–	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	52	–	–	5	59	2,685
18810	<i>Emberiza melanocephala</i> Black-headed Bunting	–	–	–	–	–	–	1
18820	<i>Miliaria calandra</i> Corn Bunting	–	–	–	–	–	–	8
	Total birds	24,554	14,053	589	71	6,451	45,718	2,789,001
	Total species	83	77	18	7	63	99	199

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

2. Results of bird ringing in 2010

Overall, 45,718 birds of 99 species were trapped and ringed by the Biological Station “Rybachy” in the framework research projects. A total of 24,554 birds of 83 species were trapped and ringed in Rybachy-type traps and the field site “Fringilla”, and 14,053 birds of 77 species were trapped and ringed in mist nets at the field site “Rybachy”. In 2010, 589 pulli of 18 species and 71 adults of 7 species were ringed at nests. Finally, 6,451 birds of 63 species were trapped and ringed by other methods in the framework of short-term research projects in 2010, 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 2010. Additionally, the grand ringing totals for 1956–2010 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 1,727 individuals of 59 species ringed in 2010 produced 2,748 retraps. In addition, 304 controls (34 species) were obtained from birds ringed in previous years.

3. List of long-distance recoveries reported in 2010

The number of recoveries for each species is presented in Table 2 (columns 4 and 5). The lists include: birds ringed by the station on the Courish Spit and subsequently recovered more than 20 km from the ringing site (section 3.1); controls of birds ringed outside the Russian part of the Courish Spit (section 3.2). In sections 3.1 and 3.2, we present all recoveries that were reported to the station between 15.03.2010 and 15.03.2011. The sequence of species follows EURING (1979).

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

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 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, 2010) 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

! – ring read

rAc – ring found in a raptor pellet

/?/ – manner of recovery unknown

& – ring added

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

EURING code	Species	Retraps of birds ringed in 2010		Controls of birds ringed earlier than 2010	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
01400	<i>Geronticus eremita</i> Bald Ibis	–	–	–	–	1
01520	<i>Cygnus olor</i> Mute Swan	–	–	–	–	1
02690	<i>Accipiter nisus</i> Sparrowhawk	1	1	–	3	–
05910	<i>Larus fuscus</i> Lesser Black-backed Gull	–	–	–	–	1
06000	<i>Larus marinus</i> Great Black-backed Gull	–	–	–	–	2
07670	<i>Asio otus</i> Long-eared Owl	–	–	–	1	–
08480	<i>Jynx torquilla</i> Wryneck	1	1	–	–	–
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	3	5	–	–	–
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	3	3	–	–	–
09920	<i>Hirundo rustica</i> Swallow	8	8	4	1	–
10050	<i>Anthus campestris</i> Tawny Pipit	–	–	1	–	–
10090	<i>Anthus trivialis</i> Tree Pipit	–	–	2	–	–
10170	<i>Motacilla flava</i> Yellow Wagtail	1	1	–	–	–
10200	<i>Motacilla alba</i> Pied Wagtail	23	38	17	–	1
10480	<i>Bombycilla garrulus</i> Waxwing	1	1	–	–	–
10660	<i>Troglodytes troglodytes</i> Wren	31	49	1	–	–
10840	<i>Prunella modularis</i> Dunnock	20	23	–	–	–
10990	<i>Erithacus rubecula</i> Robin	243	400	3	5	3
11030	<i>Luscinia luscinia</i> Thrush Nightingale	20	62	4	1	1
11060	<i>Luscinia soecica</i> Bluethroat	–	–	–	–	1

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2010		Controls of birds ringed earlier than 2010	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
11210	<i>Phoenicurus ochruros</i> Black Redstart	1	2	–	–	–
11220	<i>Phoenicurus phoenicurus</i> Redstart	2	2	1	1	–
11870	<i>Turdus merula</i> Blackbird	23	34	5	3	–
11980	<i>Turdus pilaris</i> Fieldfare	–	–	–	1	–
12000	<i>Turdus philomelos</i> Song Thrush	6	6	1	4	–
12380	<i>Locustella luscinioides</i> Savi's Warbler	1	1	–	–	–
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	37	40	2	1	1
12500	<i>Acrocephalus palustris</i> Marsh Warbler	32	39	11	–	–
12510	<i>Acrocephalus scirpaceus</i> Reed Warbler	174	286	26	5	5
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	54	115	16	1	2
12590	<i>Hippolais icterina</i> Icterine Warbler	17	22	8	–	–
12740	<i>Sylvia curruca</i> Lesser Whitethroat	16	28	9	–	–
12750	<i>Sylvia communis</i> Whitethroat	12	16	4	–	–
12760	<i>Sylvia borin</i> Garden Warbler	31	45	7	1	–
12770	<i>Sylvia atricapilla</i> Blackcap	114	172	15	–	–
12930	<i>Phylloscopus trochiloides</i> Greenish Warbler	1	1	1	–	–
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	1	1	–	–	–

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2010		Controls of birds ringed earlier than 2010	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
13110	<i>Phylloscopus collybita</i> Chiffchaff	12	21	2	–	–
13120	<i>Phylloscopus trochilus</i> Willow Warbler	92	162	45	–	–
13140	<i>Regulus regulus</i> Goldcrest	85	103	–	3	2
13350	<i>Muscicapa striata</i> Spotted Flycatcher	7	11	2	–	–
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	7	8	1	2	–
13640	<i>Panurus biarmicus</i> Bearded Tit	7	11	–	–	1
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	247	356	–	6	69
14400	<i>Parus palustris</i> Marsh Tit	20	48	3	–	–
14420	<i>Parus montanus</i> Willow Tit	10	21	–	–	–
14540	<i>Parus cristatus</i> Crested Tit	2	2	–	–	–
14610	<i>Parus ater</i> Coal Tit	1	1	–	–	–
14620	<i>Parus caeruleus</i> Blue Tit	84	153	6	20	12
14640	<i>Parus major</i> Great Tit	105	185	11	14	13
14790	<i>Sitta europaea</i> Nuthatch	2	8	–	–	–
14860	<i>Certhia familiaris</i> Treetreeper	36	55	–	–	–
14900	<i>Remiz pendulinus</i> Penduline Tit	5	7	–	1	–
15150	<i>Lanius collurio</i> Red-backed Shrike	2	3	–	–	–

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2010		Controls of birds ringed earlier than 2010	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
15820	<i>Sturnus vulgaris</i> Starling	4	4	–	3	4
15910	<i>Passer domesticus</i> House Sparrow	12	12	1	–	–
15980	<i>Passer montanus</i> Tree Sparrow	8	9	1	–	–
16360	<i>Fringilla coelebs</i> Chaffinch	38	81	79	6	1
16380	<i>Fringilla montifringilla</i> Brambling	7	7	–	2	–
16490	<i>Carduelis chloris</i> Greenfinch	10	12	5	1	–
16530	<i>Carduelis carduelis</i> Goldfinch	–	–	1	–	–
16540	<i>Carduelis spinus</i> Siskin	9	12	–	5	1
16630	<i>Carduelis flammea</i> Redpoll	1	1	–	–	2
16660	<i>Loxia curvirostra</i> Crossbill	7	7	–	1	–
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	6	9	8	–	1
17100	<i>Pyrhula pyrrhula</i> Bullfinch	15	17	–	–	–
17170	<i>Coccothraustes coccothraustes</i> Hawfinch	3	3	–	–	–
18570	<i>Emberiza citrinella</i> Yellowhammer	4	11	1	–	–
18770	<i>Emberiza schoeniclus</i> Reed Bunting	2	6	–	–	–
	Total birds	1,727	2,748	304	92	125
	Total species	59	59	34	25	21

(15.03.1999) – finding date is not known exactly, date when recovery letter was send 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.

In total, between 15.03.2010 and 15.03.2011, we received from the national Ringing Centre in Moscow information on 92 recoveries of birds of 25 species, ringed on the Courish Spit (see 3.1, the list of long-distance recoveries of birds ringed on the Courish Spit).

3.2. Controls of birds ringed outside the Courish Spit

In 2010 the station controlled a total of 125 birds of 21 species ringed outside the Courish Spit. The line structure is the same: after the ring number, we give the ringing scheme (see 3.2, controls of birds ringed outside the Courish Spit). For 28 birds of 8 species ringed outside the Courish Spit and controlled by the Biological Station “Rybachy” in 2010, ringing information is still not available from the national Ringing Centre (see 3.3, data with ringing information not yet available).

4. Participants

The following members of the Biological Station, students, colleagues and amateur bird ringers participated in bird trapping and ringing in 2010 (listed by alphabetical order):

N. Chernetsov, E. Datnova, E. Golubeva, V. Grinkevich, D. Kishkinev, D. Leoke, M. Markovets, A. Mukhin, M. Paranicheva, D. Potter, L.Roberts, A. Shapoval, O. Smagina, L. Sokolov, N. Sosedova, E. Tronikova, A. Tsvey, V. Yefremov.

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

02690. <i>Accipiter nisus</i>, Sparrowhawk (3)									
M 758617	04.10.2010	F	3	Russia, Fringilla		55.05N, 20.44E			
	22.12.2010			Netherlands, Groningen, Grootegast	xG	53.13N, 5.17E		79 days, 1026 km, 258°	
M 758637	18.10.2010	F	3	Russia, Fringilla	x	55.05N, 20.44E		116 days, 803 km, 248°	
	11.02.2011	F	5	Germany, Hannover, Bantorf		52.22N, 9.25E			
MB139131	21.09.1986	F	3	Russia, Fringilla	x	55.05N, 20.44E		232 days, 977 km, 33°	
	11.05.1987			Finland, Kuopio, Suonenjoki		62.37N, 27.07E			
07670. <i>Asio otus</i>, Long-eared Owl (1)									
C 492031	28.10.1995	F	4	Russia, Fringilla	r	55.05N, 20.44E		00 days, 479 km, 205°	
	17.08.2008			Czech Republic, Horni Dunajovice, Znojmo		48.57N, 16.10E			
09920. <i>Hirundo rustica</i>, Swallow (1)									
VK37121	14.08.2010	I	3	Russia, Fringilla	V	55.05N, 20.44E		12 days, 43 km, 46°	
	26.08.2010	I	3	Lithuania, Šilute, Ventes Ragas		55.21N, 21.13E			
10990. <i>Eritacus rubecula</i>, Robin (5)									
XG 76066	29.04.2010	I	5	Russia, Rybachy	V	55.09N, 20.51E		9 days, 336 km, 285°	
	08.05.2010	I	5	Sweden, Blekinge, Utklippan		55.57N, 15.42E			
XH 09724	27.09.2010	I	3	Russia, Rybachy	V	55.09N, 20.51E		12 days, 1012 km, 245°	
	09.10.2010	I	3	Germany, Düsseldorf, Eigernbach-Klarteich		51.19N, 7.03E			
XH 20023	30.09.2010	I	3	Russia, Rybachy	V	55.09N, 20.51E		1 day, 44 km, 22°	
	01.10.2010	I	3	Lithuania, Neringa, Juodkrante		55.31N, 21.07E			
XP 08000	16.09.2008	I	3	Russia, Rybachy	V	55.09N, 20.51E		9 days, 1162 km, 249°	
	25.09.2008	I	3	Belgium, Antwerpen, Essen		51.28N, 4.28E			
XP 09113	23.09.2008	I	3	Russia, Rybachy	V	55.09N, 20.51E		188 days, 154 km, 252°	
	30.03.2009	I	5	Poland, Pomorskie, Jastarnia, Kuznica		54.44N, 18.33E			

11030. <i>Luscinia luscinia</i>, Thrush Nightingale (1)									
XG 79814	30.06.2010	I	3	Russia, Rybachy	55.09N, 20.51E				
	20.07.2010	I	3	Russia, Rybachy	55.09N, 20.51E			38 days, 309 km, 200°	
	07.08.2010	I	3	Poland, Kujawsko-Pomorskie, Kowal	52.32N, 19.15E	V		18 days, 309 km, 200°	
11220. <i>Phoenicurus phoenicurus</i>, Redstart (1)									
XP 04788	30.07.2008	I	3	Russia, Fringilla	55.05N, 20.44E				
	09.06.2010			Latvia, Liepaja, Dunalka	56.41N, 21.49E	xG		679 days, 181 km, 12°	
11870. <i>Turdus merula</i>, Blackbird (3)									
PB246108	06.04.2009	F	6	Russia, Rybachy	55.09N, 20.51E				
	02.03.2010			Finland, Häme, Somero, Jaati	60.42N, 23.22E	x		330 days, 634 km, 14°	
PB246227	11.10.2009	F	3	Russia, Rybachy	55.09N, 20.51E				
	14.12.2009	F	2	Great Britain, Norfolk, Surlingham	52.37N, 1.25E	xG		64 days, 1303 km, 258°	
TA 19956	13.07.2005	I	3	Russia, Fringilla	55.05N, 20.44E				
	17.10.2009			Italy, Treviso, Maser, Pianar de Mostacin	45.48N, 11.58E	+		1557 days, 1204 km, 211°	
11980. <i>Turdus pilaris</i>, Fieldfare (1)									
TA 34844	19.10.2008	F	4	Russia, Fringilla	55.05N, 20.44E				
	01.11.2009			Italy, Scavolo, Sant'Agata Feltria	43.51N, 12.10E	+		378 days, 1393 km, 206°	
12000. <i>Turdus philomelos</i>, Song Thrush (4)									
TA 31716	12.08.2010	I	3	Russia, Rybachy	55.09N, 20.51E				
	05.12.2010			Spain, Caceres, Casas del Castanar	40.07N, 5.54W	+		115 days, 2608 km, 230°	
TA 31901	13.04.2009	I	5	Russia, Rybachy	55.09N, 20.51E				
	03.01.2010			Spain, Badajoz, Puebla de Alcocer	38.59N, 5.15W	+		265 days, 2670 km, 227°	
TA 34656	01.10.2008	I	3	Russia, Fringilla	55.05N, 20.44E				
	24.12.2008			Spain, Alicante, Beniarres	38.49N, 0.21W	+		84 days, 2413 km, 221°	
TA 34663	05.10.2008	I	3	Russia, Fringilla	55.05N, 20.44E				
	17.12.2009			Spain, Castellon, Cervera del Maestre	40.26N, 0.17E	+		438 days, 2232 km, 223°	

12430. <i>Acrocephalus schoenobaenus</i>, Sedge Warbler (1)						
XL 17353	26.05.2003	I 4	Russia, Rybachy	55.09N, 20.51E		
	31.07.2005	M 4	Hungary, Baranya, Sumony	45.58N, 17.56E	V	797 days, 1041 km, 191°
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (5)						
XG 76720	22.05.2010	I 4	Russia, Rybachy	55.09N, 20.51E		
	10.06.2010	M 4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V	19 days, 32 km, 46°
XH 07472	11.08.2010	I 3	Russia, Rybachy	55.09N, 20.51E		
	24.08.2010	I 3	Russia, Rybachy	55.09N, 20.51E	V	32 days, 1218 km, 249°
	12.09.2010	I 3	Belgium, Oost-Vlaanderen, Assenede	51.14N, 3.46E	V	19 days, 1218 km, 249°
XH 07749	15.08.2010	I 3	Russia, Rybachy	55.09N, 20.51E		
	05.09.2010	I 3	Slovenia, Ljubljansko barje, Vrhnika	45.58N, 14.18E	V	21 days, 1120 km, 204°
XN 13687	29.06.2006	I 1	Russia, Kaliningrad, 13 km N of Zelenogradsk	55.03N, 20.41E		
	01.06.2007	M 5	Czech Republic, Zabakor, Mlada Boleslav	50.33N, 15.03E	V	337 days, 627 km, 217°
XN 23724	15.05.2007	I 4	Russia, Rybachy	55.09N, 20.51E		
	25.07.2009	I 4	Luxembourg, Schiffflange	49.30N, 6.01E	V	802 days, 1187 km, 238°
12530. <i>Acrocephalus arundinaceus</i>, Great Reed Warbler (1)						
TA 06251	23.06.2003	I 1	Russia, Kaliningrad, Courish Spit	55.03N, 20.42E		
	19.08.2005	I 4	Croatia, Pakostane, Vramnsko lake	43.53N, 15.33E	V	786 days, 1295 km, 197°
12760. <i>Sylvia borin</i>, Garden Warbler (1)						
XH 07955	20.08.2010	I 3	Russia, Rybachy	55.09N, 20.51E		
	29.08.2010	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V	9 days, 32 km, 46°
13140. <i>Regulus regulus</i>, Goldcrest (3)						
VD 93795	10.10.2006	M 3	Russia, Rybachy	55.09N, 20.51E		
	01.02.2007–	I 3	Netherlands, Alkmaar	52.38N, 4.46E	+Ac	00 days, 1090 km, 255°
	28.02.2007					
VK 70239	09.10.2010	M 3	Russia, Fringilla	55.05N, 20.44E		
	16.10.2010		Poland, Poznan	52.23N, 16.57E	(x)	7 days, 390 km, 220°

VK 77496	09.10.2010	F	3	Russia, Rybachy	55.09N, 20.51E	V	8 days, 44 km, 22°
	17.10.2010	M	3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	V	
13490. <i>Ficedula hypoleuca</i>, Pied Flycatcher (2)							
XD 13683	04.05.2004	M	5	Russia, Rybachy	55.09N, 20.51E	V	410 days, 941 km, 48°
	18.06.2005	M	2	Russia, Karelia, Olonets, Majachino	60.46N, 32.48E	V	
VK 17688	10.08.2008	I	3	Russia, Rybachy	55.09N, 20.51E	V	748 days, 614 km, 209°
	28.08.2010	I	4	Czech Republic, Serlich-Orlické hory, Rychnov-Kneznou	50.20N, 16.23E	V	
14370. <i>Aegithalos caudatus</i>, Long-tailed Tit (6)							
VK 42127	29.09.2010	I	3	Russia, Fringilla	55.05N, 20.44E	V	11 days, 599 km, 294°
	10.10.2010			Sweden, Hallands, Nidingen	57.18N, 11.54E	V	
VK 42131	29.09.2010	I	3	Russia, Fringilla	55.05N, 20.44E	V	11 days, 599 km, 294°
	10.10.2010			Sweden, Hallands, Nidingen	57.18N, 11.54E	V	
VK 42138	29.09.2010	I	3	Russia, Fringilla	55.05N, 20.44E	V	11 days, 599 km, 294°
	10.10.2010	I	3	Sweden, Hallands, Nidingen	57.18N, 11.54E	V	
VK 42382	30.09.2010	I	2	Russia, Fringilla	55.05N, 20.44E	V	10 days, 599 km, 294°
	10.10.2010			Sweden, Hallands, Nidingen, Onsala	57.18N, 11.54E	V	
VK 67802	04.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	V	28 days, 1024 km, 251°
	01.11.2010			Netherlands, Gelderland, Voorst, Terwolde	52.10N, 6.08E	V	
VK 79672	29.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	V	12 days, 32 km, 46°
	10.11.2010	I	2	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	V	
14620. <i>Parus caeruleus</i>, Blue Tit (20)							
XG 06263	21.09.2009	M	4	Russia, Fringilla	55.05N, 20.44E	V	15 days, 287 km, 256°
	06.10.2009	F	3	Poland, Koszalin, Darlowo, Kopan	54.27N, 16.24E	V	
XG 06283	21.09.2009	F	3	Russia, Fringilla	55.05N, 20.44E	V	379 days, 43 km, 46°
	05.10.2010	F	4	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	V	

XG 06580	23.09.2009 07.10.2009	M 4 M 4	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	14 days, 287 km, 256°
XG 07079	24.09.2009 06.10.2009	F 3 F 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	12 days, 287 km, 256°
XG 07539	26.09.2009 06.10.2009	F 3 F 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	10 days, 287 km, 256°
XG 07653	26.09.2009 06.10.2009	F 3 F 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	10 days, 287 km, 256°
XG 07788	28.09.2009 06.10.2009	F 3 F 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	8 days, 287 km, 256°
XG 08870	02.10.2009 19.03.2010	F 3 F 4	Russia, Fringilla Germany, Mecklenburg-Vorpommern, Greifswalder Oie	55.05N, 20.44E 54.15N, 13.55E	V	168 days, 448 km, 258°
XG 08917	02.10.2009 10.10.2009	F 3 F 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	8 days, 287 km, 256°
XG 11982	05.10.2009 09.10.2009	F 3 F 3	Russia, Fringilla Poland, Gdansk, Mierzeja Wislana-Siekierki	55.05N, 20.44E 54.22N, 19.24E	V	4 days, 117 km, 227°
XG 12094	06.10.2009 21.03.2010	M 3 I 5	Russia, Fringilla Germany, Mecklenburg-Vorpommern, Greifswalder Oie	55.05N, 20.44E 54.15N, 13.55E	V	166 days, 448 km, 258°
XG 12961	07.10.2009 16.10.2009	F 3 F 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	9 days, 287 km, 256°
XH 15847	07.10.2010 08.12.2010	F 3 F 3	Russia, Fringilla Netherlands, Overijssel, Losser, Overdinkel Ringstation	55.05N, 20.44E 52.14N, 7.01E	V	62 days, 957 km, 251°
XP 03847	03.07.2008 25.02.2009	M 3 M 5	Russia, Fringilla Belgium, West-Vlaanderen, De Panne	55.05N, 20.44E 51.06N, 2.35E	V	237 days, 1289 km, 250°
XP 03912	04.07.2008 11.01.2009	F 3 F 5	Russia, Fringilla Belgium, West-Vlaanderen, De Panne	55.05N, 20.44E 51.06N, 2.35E	V	191 days, 1289 km, 250°

XP 34740	11.10.2008 09.03.2009	M	3	Russia, Fringilla Poland, Pomorskie, Gdansk, Gdansk-Orunia	55.05N, 20.44E 54.20N, 18.38E	+K	149 days, 159 km, 238°	
XP 63136	22.10.2008 22.12.2008 04.01.2009 16.02.2009	M M M M	3 3 5 5	Russia, Fringilla Poland, Pomorskie, Stegna, Mikoszewo Poland, Pomorskie, Stegna, Mikoszewo Poland, Pomorskie, Stegna, Mikoszewo	55.05N, 20.44E 54.20N, 18.58E 54.20N, 18.58E 54.20N, 18.58E	V V V V	61 days, 141 km, 234° 74 days, 141 km, 234° 117 days, 141 km, 234°	
XP 63381	23.10.2008 20.03.2010	F	3	Russia, Fringilla Poland, Gdansk, Wejherowo, Bolszewo	55.05N, 20.44E 54.37N, 18.10E	x	513 days, 172 km, 252°	
XP 97309	14.09.2009 14.09.2010	F F	4 4	Russia, Fringilla Lithuania, Šilute, Ventės Ragas	55.05N, 20.44E 55.21N, 21.13E	V	365 days, 43 km, 46°	
XP 97451	17.09.2009 02.10.2009	F F	3 3	Russia, Fringilla Poland, Koszalin, Darlowo, Kopan	55.05N, 20.44E 54.27N, 16.24E	V	15 days, 287 km, 256°	
14640. Parus major, Great Tit (14)								
XG 06855	24.09.2009 06.10.2009	F F	3 3	Russia, Fringilla Poland, Warminsko-Mazurskie, Krynica Morska, Siekierki	55.05N, 20.44E 54.21N, 19.23E	V	12 days, 119 km, 227°	
XG 06953	23.09.2009 29.09.2009	F F	3 3	Russia, Fringilla Poland, Warminsko-Mazurskie, Krynica Morska, Siekierki	55.05N, 20.44E 54.21N, 19.23E	V	6 days, 119 km, 227°	
XG 07717	28.09.2009 08.12.2010	M M	3 3	Russia, Fringilla Estonia, Polvamaa, Rapina	55.05N, 20.44E 59.05N, 27.27E	V	436 days, 602 km, 42°	
XG 11730	05.10.2009 11.10.2009	F F	3 3	Russia, Fringilla Poland, Warminsko-Mazurskie, Krynica Morska, Siekierki	55.05N, 20.44E 54.21N, 19.23E	V	6 days, 119 km, 227°	
XG 13986	10.10.2009 17.10.2009	M M	3 3	Russia, Fringilla Poland, Warminsko-Mazurskie, Krynica Morska, Siekierki	55.05N, 20.44E 54.21N, 19.23E	V	7 days, 119 km, 227°	
XH 14802	06.10.2010 23.11.2010	F I	3 3	Russia, Fringilla Netherlands, Overijssel, Rijssen	55.05N, 20.44E 52.19N, 6.32E	V	48 days, 983 km, 252°	

XN 18342	21.03.2007	M	5	Russia, Rybachy	55.09N, 20.51E	V	679 days, 124 km, 226°
	28.01.2009	M	6	Poland, Pomorskie, Krynica Morska, Latarnia	54.23N, 19.27E	V	
XN 83873	01.07.2008	I	3	Russia, Rybachy	55.09N, 20.51E	V	261 days, 535 km, 246°
	19.03.2009	M	2	Germany, Brandenburg, Lychen, Uckermark	53.13N, 13.19E	V	
XP 02647	17.09.2008	M	3	Russia, Fringilla	55.05N, 20.44E	V	45 days, 1178 km, 249°
	01.11.2008	M	3	Belgium, Oost-Vlaanderen, Melsele	51.13N, 4.16E	V	
XP 05524	22.09.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	116 days, 1223 km, 248°
	16.01.2009	F	5	Belgium, Oost-Vlaanderen, Bottelare	50.58N, 3.46E	V	
XP 31003	27.09.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	741 days, 43 km, 46°
	08.10.2010	F	4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V	
XP 61933	18.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	65 days, 141 km, 234°
	22.12.2008	F	3	Poland, Gdansk, Pomorskie, Stegna, Mikoszewo	54.20N, 18.58E	V	78 days, 141 km, 233°
	04.01.2009	F	5	Poland, Gdansk, Pomorskie, Stegna, Mikoszewo	54.19N, 18.58E	V	
XP 96328	16.07.2009	F	3	Russia, Fringilla	55.05N, 20.44E	V	95 days, 287 km, 256°
	19.10.2009	F	3	Poland, Koszalin, Darlowo, Kopan	54.27N, 16.24E	V	
XP 99312	30.05.2009	I	1	Russia, Kaliningrad, Courish Spit	55.03N, 20.41E	V	329 days, 258 km, 46°
	24.04.2010	F	5	Latvia, Jelgava	56.39N, 23.41E	V	
14900. Remiz pendulinus, Penduline Tit (1)							
XG79992	09.07.2010	I	3	Russia, Rybachy	55.09N, 20.51E	V	111 days, 1309 km, 197°
	28.10.2010	I	3	Croatia, Pakostane, Vransko lake	43.53N, 15.33E	V	
15820. Sturnus vulgaris, Starling (3)							
K 003588	11.10.1999	F	3	Russia, Fringilla	55.05N, 20.44E	(?)	1916 days, 2451 km, 228°
	08.01.2005			Spain, Madrid, Torrelaguna	40.49N, 3.32W	(?)	
TA 33995	26.06.2008	F	3	Russia, Fringilla	55.05N, 20.44E	+Ac	672 days, 268 km, 73°
	29.04.2010			Lithuania, Kupiškis, Terpeikiai	55.48N, 24.48E	+Ac	

TA 69135	02.07.2010 11.12.2010	F 3	Russia, Fringilla Great Britain, Cornwall, St. Erith, St. Ives	55.05N, 20.44E 50.09N, 5.25W	x	162 days, 1847 km, 253°	
16360. Fringilla coelebs, Chaffinch (6)							
O 098831	06.10.1982 29.11.2009	M 4	Russia, Fringilla France, Isere, Virieu-sur-Bourbre	55.05N, 20.44E 45.29N, 5.28E	r	00 days, 1521 km, 225°	
XG 10605	03.10.2009 01.01.2010	M 3 I 2	Russia, Fringilla Belgium, Limburg, Eksele	55.05N, 20.44E 51.09N, 5.24E	V	90 days, 1112 km, 247°	
XG 13358	09.10.2009 15.05.2010	F 4	Russia, Fringilla Finland, Turku-Pori, Luuntie Sammaljoki	55.05N, 20.44E 61.14N, 23.04E	xG	218 days, 697 km, 11°	
XP 03231	13.06.2008 15.01.2009	F 5	Russia, Fringilla France, Seine-et-Oise, Blemur, Piscop	55.05N, 20.44E 49.00N, 2.20E	+K	216 days, 1428 km, 242°	
XP 66147	05.04.2009 11.04.2010	M 5 I 2	Russia, Fringilla Estonia, Polvamaa, Varska	55.05N, 20.44E 57.57N, 27.38E	+K	371 days, 529 km, 53°	
XY 31652	06.05.2006 29.03.2009	F 6	Russia, Fringilla Belgium, Brabant, Bertem	55.05N, 20.44E 50.52N, 4.38E	x	1058 days, 1175 km, 246°	
16380. Fringilla montifringilla, Brambling (2)							
XP 61067	15.10.2008 30.12.2009	M 4	Russia, Fringilla Poland, Rzewnica, J. Szczytno	55.05N, 20.44E 53.46N, 17.11E	V	441 days, 272 km, 237°	
XP 65734	05.04.2009 13.12.2010	F 5 F 3	Russia, Fringilla Spain, Vizcaya, Zeanuri, Alto de Barazar	55.05N, 20.44E 43.04N, 2.43W	V	617 days, 2167 km, 232°	
16490. Carduelis chloris, Greenfinch (1)							
KS 11220	28.04.2008 04.03.2010	M 6 M 5	Russia, Rybachy Lithuania, Šilute, Ventes Ragas	55.09N, 20.51E 55.21N, 21.13E	V	675 days, 32 km, 46°	

16540. <i>Carduelis spinus</i>, Siskin (5)									
XN 67829	22.09.2007 10.04.2008	F	3	Russia, Fringilla Austria, Niederösterreich, Albrechtsberg	55.05N, 20.44E 48.27N, 15.22E	+K	201 days, 824 km, 207°		
XP 04052	05.07.2008 21.03.2010	F	3	Russia, Fringilla Germany, Sachsen, Chemnitz	55.05N, 20.44E 50.50N, 12.55E	x	624 days, 705 km, 228°		
XP 97189	13.09.2009 25.02.2010	M	3	Russia, Fringilla	55.05N, 20.44E	V	165 days, 1084 km, 233°		
XP 98860	08.09.2009 05.10.2009	F	3	Germany, Rheinland-Pfalz, Albersweiler Russia, Fringilla	49.13N, 8.02E 55.05N, 20.44E	V	27 days, 1362 km, 225°		
XP 98897	09.09.2009 02.04.2010	M	3	Switzerland, Vaud, Col de Jaman Russia, Fringilla	46.27N, 6.58E 55.05N, 20.44E	V	205 days, 404 km, 37°		
16660. <i>Loxia curvirostra</i>, Crossbill (1)									
TA 47091	04.05.2009 01.11.2010– 30.11.2010	M	6	Russia, Fringilla Poland, Malopolskie, Krakow, Oswiesim	55.05N, 20.44E 50.04N, 19.13E	xG	560 days, 567 km, 190°		

2.2. Controls of birds ringed outside the Courish Spit

00720. <i>Phalacrocorax carbo</i>, Cormorant (1)									
MM20809	Finland, 13.06.2008 Helsinki 10.02.2009	I	1	Finland, Uusimaa, Pernoja, Abpskar Russia, Kaliningrad, Primorskaya bucht	60.15N, 26.25E 55.56N, 20.02E	xN	242 days, 609 km, 218°		
01400. <i>Geronticus eremita</i>, Bald Ibis (1)									
KR3785	Germany, 00.00.1998 Radolfzell 21.10.1998– 31.10.1998	I	2	Austria, Oberösterreich, Grunau, Amtal Russia, Kaliningrad, Zelenogradsk	47.47N, 13.56E 54.54N, 20.28E	x	00 days, 911 km, 30°		

01520. <i>Cygnus olor</i>, Mute Swan (2)										
EE348 Latvia, Riga	18.04.2005 31.01.2010	M I	5 6	Latvia, Riga, Bolderaja Russia, Kaliningrad, Baltiysk	57.02N, 24.02E 54.38N, 19.54E	I	1749 days, 371 km, 224°			
EK125 Latvia, Riga	19.03.2008 07.05.2009	F	5	Latvia, Riga, Bolderaja Russia, Kaliningrad, Svetlogorsk, Otradnoye	57.02N, 24.02E 54.56N, 20.06E	I	414 days, 338 km, 226°			
02690. <i>Accipiter nisus</i>, Sparrowhawk (5)										
B126274 Finland, Helsinki	30.09.2006 26.10.2006	M M	3 3	Finland, Uusimaa, Kirkkonummi, Rönnskär Russia, Fringilla	59.56N, 24.24E 55.05N, 20.44E		26 days, 550 km, 204°			
B132275 Finland, Helsinki	28.06.2008 21.10.2008	I F	1 3	Finland, Häme, Lempaala Russia, Fringilla	61.24N, 23.35E 55.05N, 20.44E		115 days, 708 km, 194°			
B132508 Finland, Helsinki	08.07.2006 04.09.2006	M M	1 3	Finland, Oulu, Kuivaniemi Russia, Fringilla	65.39N, 25.49E 55.05N, 20.44E		58 days, 1180 km, 194°			
S252585 Finland, Helsinki	03.07.2008 20.04.2009	I F	1 5	Finland, Pohjois-Karjala, Kuopio, Kesalahti, Russia, Fringilla	61.55N, 29.45E 55.05N, 20.44E		291 days, 922 km, 214°			
ST091589 Finland, Helsinki	21.08.2009 13.09.2009	F F	3 3	Finland, Uusimaa, Hanko, Tulliniemi Russia, Fringilla	59.49N, 22.54E 55.05N, 20.44E		23 days, 542 km, 194°			
05910. <i>Larus fuscus</i>, Lesser Black-backed Gull (1)										
4228533 Norway, Stavanger	25.07.2008 26.05.2010	I	1	Norway, Nordland, Somma, Russia, Kaliningrad, Courish Spit	65.01N, 11.03E 54.58N, 20.31E	xA	670 days, 1234 km, 155°			
06000. <i>Larus marinus</i>, Great Black-backed Gull (2)										
DT066791 Finland, Helsinki	23.06.2010 11.09.2010	I	1	Finland, Turku-Pori, Lausi-Turunmaa Russia, Kaliningrad, Courish Spit	60.19N, 21.38E 55.02N, 20.40E	x	80 days, 590 km, 186°			

9180570	Sweden, Stockholm	13.05.2010 25.09.2010	I I	1	Sweden, Gotlands, Lilla Karlso Russia, Kaliningrad, Vistula Spit	57.19N, 18.04E 54.36N, 19.52E	xA	135 days, 322 km, 160°
06680. <i>Columba oenas</i>, Stock Dove (1)								
S275351	Finland, Helsinki	03.09.2006 27.10.2006	I I	1	Finland, Vaasa, Laihia Russia, Fringilla	62.58N, 22.06E 55.05N, 20.44E	& M 758383	54 days, 842 km, 186°
10200. <i>Motacilla alba</i>, White Wagtail (1)								
VU42630	Lithuania, Kaunas	26.06.2010 07.07.2010	I I	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XG 77500	11 days, 43 km, 226°
10990. <i>Erithacus rubecula</i>, Robin (1)								
K6B6480	Poland, Gdansk	14.05.2010 24.05.2010	I I	5 6	Poland, Poznan Russia, Rybachy	52.28N, 16.55E 55.09N, 20.51E	& XG 76775	10 days, 394 km, 41°
11030. <i>Luscinia luscinia</i>, Thrush Nightingale (1)								
2KP32710	Sweden, Stockholm	21.07.2008 09.05.2010	I I	3 6	Sweden, Gastrikland, Galve, Inre Fjarden Russia, Rybachy	60.42N, 17.11E 55.09N, 20.51E	& XG 76346	657 days, 653 km, 161°
11060. <i>Luscinia svecica</i>, Bluethroat (1)								
EC92273	Norway, Stavanger	23.08.2010 14.09.2010	F F	3 3	Norway, Oslo, Akershus, Sandgard Russia, Rybachy	59.39N, 10.47E 55.09N, 20.51E	& XH 08838	22 days, 783 km, 130°
10660. <i>Troglodytes troglodytes</i>, Wren (1)								
XV39173	Lithuania, Kaunas	23.09.2000 24.09.2000			Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	() RZ 048538	11 day, 43 km, 226°
12430. <i>Acrocephalus schoenobaenus</i>, Sedge Warbler (3)								
045284J	Finland, Helsinki	22.07.1999 29.07.2000	I F	3 5	Finland, Turku-Pori, Rauvolanlahti, Kaarina Russia, Fringilla	60.24N, 22.17E 55.05N, 20.44E	& XS 99437	373 days, 598 km, 189°

759437J Finland, Helsinki	14.08.2003 29.05.2004	I I	3 4	Finland, Oulu, Liminka Russia, Kaliningrad, Courish Spit	64.52N, 25.23E 55.09N, 20.49E	V	289 days, 1109 km, 193°
A733802 Hungary, Budapest	09.05.2010 16.07.2010	I I	4 4	Hungary, Bacs-Kiskun, Palmonosotra Russia, Rybachy	46.36N, 19.54E 55.09N, 20.51E	& XG 79234	68 days, 952 km, 4°
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (4)							
10574189 Belgium, Bruxelles	16.08.2008 09.07.2009	I M	3 4	Belgium, Limburg, Kinrooi Russia, Rybachy	51.09N, 5.45E 55.09N, 20.51E	& XG 01523	327 days, 1100 km, 66°
11246451 Belgium, Bruxelles	19.08.2009 31.05.2010	I I	3 4	Belgium, Antwerpen, Oorderen Russia, Rybachy	51.17N, 4.21E 55.09N, 20.51E	& XG 79579	285 days, 1179 km, 69°
XB67671 Estonia, Matsalu	24.07.2006 18.05.2010	I I	4 4	Estonia, Pärnu, Häädemeeste Russia, Rybachy	58.05N, 24.29E 55.09N, 20.51E	& XG 76566	1394 days, 394 km, 214°
XX25947 Lithuania, Kaunas	02.08.2007 03.07.2010	I I	3 4	Lithuania, Neringa, Juodkrante Russia, Rybachy	55.31N, 21.07E 55.09N, 20.51E	& XG 79892	1066 days, 44 km, 202°
12530. <i>Acrocephalus arundinaceus</i>, Great Reed Warbler (2)							
TV09783 Lithuania, Kaunas	10.08.2009 31.05.2010	I I	3 4	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& KS 11538	294 days, 32 km, 226°
TV09788 Lithuania, Kaunas	20.08.2009 30.06.2010	I M	3 4	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& KS 11553	314 days, 32 km, 226°
13120. <i>Phylloscopus trochilus</i>, Willow Warbler (1)							
5H81784 Norway, Stavanger	27.08.2006 11.09.2006	I M	3 3	Norway, Opland, Dovre, Fokstugu Russia, Fringilla	62.07N, 9.17E 55.05N, 20.44E	& VD 79978	15 days, 1025 km, 140°
13140. <i>Regulus regulus</i>, Goldcrest (1)							
AH2372 Belgium, Bruxelles	01.01.2008 10.04.2008	M M	5 5	Belgium, Oost-Vlaanderen, Grembergen Russia, Rybachy	51.03N, 4.07E 55.09N, 20.51E	& VK 15840	100 days, 1183 km, 68°

14370. *Aegithalos caudatus*, Long-tailed Tit (51)

103688	Latvia, Riga	01.10.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		05.10.2010	I	3	Russia, Fringilla	55.05N, 20.44E	& VK 43814	4 days, 120 km, 189°	
BS2225	Latvia, Riga	30.09.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		04.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 43460	4 days, 120 km, 189°	
BS1521	Latvia, Riga	25.09.2010	I	3	Latvia, Liepaja, Pape	56.09N, 21.01E			
		02.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 67571	7 days, 112 km, 185°	
BS1778	Latvia, Riga	02.10.2010	I	3	Latvia, Liepaja, Pape	56.09N, 21.01E			
		07.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 68791	5 days, 120 km, 189°	
BS2097	Latvia, Riga	28.09.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		01.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 42476	3 days, 120 km, 189°	
BS2098	Latvia, Riga	28.09.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		01.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 42500	3 days, 120 km, 189°	
BS2106	Latvia, Riga	28.09.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		01.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 42481	3 days, 120 km, 189°	
BS2263	Latvia, Riga	30.09.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		06.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 68098	6 days, 120 km, 189°	
BS2851	Latvia, Riga	07.10.2010	I	2	Latvia, Liepaja, Pape	56.09N, 21.01E			
		15.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12576	8 days, 120 km, 189°	
XP75392	Lithuania, Kaunas	05.10.2010	I	2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E			
		09.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 70374	4 days, 43 km, 226°	
XP75393	Lithuania, Kaunas	05.10.2010	I	2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E			
		09.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 70375	4 days, 43 km, 226°	
XP76791	Lithuania, Kaunas	29.09.2010	I	2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E			
		07.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VK 68928	8 days, 43 km, 226°	

XP76941	Lithuania, Kaunas	29.09.2010 30.09.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 42292	1 day, 43 km, 226°
XP76942	Lithuania, Kaunas	29.09.2010 30.09.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 42293	1 day, 43 km, 226°
XP76943	Lithuania, Kaunas	29.09.2010 30.09.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 42294	1 day, 43 km, 226°
XP76944	Lithuania, Kaunas	29.09.2010 30.09.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 42302	1 day, 43 km, 226°
XP76945	Lithuania, Kaunas	29.09.2010 30.09.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 42303	1 day, 43 km, 226°
XP78349	Lithuania, Kaunas	03.10.2010 07.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 69155	4 days, 43 km, 226°
XP78372	Lithuania, Kaunas	03.10.2010 07.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 68988	4 days, 43 km, 226°
XP79163	Lithuania, Kaunas	04.10.2010 13.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VN 11927	9 days, 43 km, 226°
XP79229	Lithuania, Kaunas	04.10.2010 06.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 68092	2 days, 43 km, 226°
XP79334	Lithuania, Kaunas	04.10.2010 07.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 68999	3 days, 43 km, 226°
XP79484	Lithuania, Kaunas	05.10.2010 08.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 69850	3 days, 43 km, 226°
XP79810	Lithuania, Kaunas	06.10.2010 08.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 69666	2 days, 43 km, 226°
XP79867	Lithuania, Kaunas	06.10.2010 09.10.2010	I I	2 2	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 70575	3 days, 43 km, 226°

XP79874	Lithuania, Kaunas	06.10.2010 09.10.2010	I I	2 2	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& VK 70577	3 days, 43 km, 226°
XP80690	Lithuania, Kaunas	08.10.2010 10.10.2010	I I	2 2	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	V	2 days, 43 km, 226°
XP81755	Lithuania, Kaunas	10.10.2010 15.10.2010	I I	2 3	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& VK 78666	5 days, 32 km, 226°
XP82075	Lithuania, Kaunas	20.10.2010 28.10.2010	I I	2 3	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& VK 79647	8 days, 32 km, 226°
XP82505	Lithuania, Kaunas	26.10.2010 28.10.2010	I I	2 3	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& VK 79559	2 days, 32 km, 226°
XP82528	Lithuania, Kaunas	26.10.2010 28.10.2010	I I	2 3	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& VK 79562	2 days, 32 km, 226°
XP85705	Lithuania, Kaunas	25.10.2010 28.10.2010	I I	2 3	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& VK 79501	3 days, 32 km, 226°
XX23426	Lithuania, Kaunas	24.10.2010 27.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VN 14956	3 days, 54 km, 207°
XX27976	Lithuania, Kaunas	02.10.2010 06.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	V	4 days, 54 km, 207°
XX28130	Lithuania, Kaunas	03.10.2010 06.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 68296	3 days, 54 km, 207°
XX28150	Lithuania, Kaunas	03.10.2010 06.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 68190	3 days, 54 km, 207°
XX28163	Lithuania, Kaunas	03.10.2010 07.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 69073	4 days, 54 km, 207°
XX28182	Lithuania, Kaunas	03.10.2010 07.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 68927	4 days, 54 km, 207°

XX28216 Kaunas	Lithuania, 04.10.2010 08.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 69303	4 days, 54 km, 207°
XX28230 Kaunas	Lithuania, 04.10.2010 08.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 69667	4 days, 54 km, 207°
XX28261 Kaunas	Lithuania, 06.10.2010 08.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 69855	2 days, 54 km, 207°
XX28262 Kaunas	Lithuania, 06.10.2010 08.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 69871	2 days, 54 km, 207°
XX28263 Kaunas	Lithuania, 06.10.2010 08.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	V	2 days, 54 km, 207°
XX28266 Kaunas	Lithuania, 06.10.2010 08.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 69976	2 days, 54 km, 207°
XX28270 Kaunas	Lithuania, 06.10.2010 09.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 70369	3 days, 54 km, 207°
XX28278 Kaunas	Lithuania, 06.10.2010 09.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VK 70368	2 days, 54 km, 207°
XX28699 Kaunas	Lithuania, 08.10.2010 09.10.2010	I I	2 3	Lithuania, Neringa, Juodkrante Russia, Rybachy	55.31N, 21.07E 55.09N, 20.51E	& VK 77647	1 day, 44 km, 202°
XX28850 Kaunas	Lithuania, 09.10.2010 10.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VN 11336	1 day, 54 km, 207°
XX28895 Kaunas	Lithuania, 09.10.2010 10.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VN 11199	1 day, 54 km, 207°
XX29147 Kaunas	Lithuania, 09.10.2010 13.10.2010	I I	2 2	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& VN 12233	4 days, 54 km, 207°
VK74185 Moskwa	Russia, 22.09.2010 06.10.2010	I I	2 2	Russia, Leningrad, Gumbaritsy Russia, Fringilla	60.41N, 32.57E 55.05N, 20.44E	V	14 days, 953 km, 229°

14620. <i>Parus caeruleus</i>, Blue Tit (14)													
3304620	Belgium, Bruxelles	26.10.2007 18.04.2008	I F	3 5	Belgium, West-Vlaanderen, Meetkerke Russia, Rybachy	51.14N, 3.08E 55.09N, 20.51E	& XN 81946	175 days, 1257 km, 70°					
VU08911	Lithuania, Kaunas	17.09.2009 02.10.2010	F F	3 4	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 13022	380 days, 43 km, 226°					
VU12027	Lithuania, Kaunas	18.09.2009 08.10.2010	F F	4 4	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 16433	385 days, 43 km, 226°					
VU26065	Lithuania, Kaunas	29.09.2009 05.10.2010	F F	3 4	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 14045	371 days, 43 km, 226°					
VU41571	Lithuania, Kaunas	20.03.2010 22.07.2010	F F	5 4	Lithuania, Šilute, Ventės Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& XG 79323	124 days, 32 km, 226°					
VU50787	Lithuania, Kaunas	12.09.2010 17.09.2010	M M	4 4	Lithuania, Šilute, Ventės Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& XH 08985	5 days, 32 km, 226°					
VU63759	Lithuania, Kaunas	22.09.2010 25.09.2010	I F	3 3	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 12047	3 days, 43 km, 226°					
VU66053	Lithuania, Kaunas	05.10.2010 14.10.2010	F F	3 3	Lithuania, Šilute, Ventės Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& XH 20593	9 days, 32 km, 226°					
VU69731	Lithuania, Kaunas	29.09.2010 02.10.2010	M M	3 3	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 12999	3 days, 43 km, 226°					
VU72129	Lithuania, Kaunas	06.10.2010 10.10.2010	F F	4 4	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 17016	4 days, 43 km, 226°					
VU76321	Lithuania, Kaunas	15.10.2010 16.10.2010	M F	4 4	Lithuania, Šilute, Ventės Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 18044	1 day, 43 km, 226°					
K7B5243	Poland, Gdansk	05.04.2009 22.09.2009	F F	5 4	Poland, Koszalin, Darlowo, Kopan Russia, Fringilla	54.27N, 16.24E 55.05N, 20.44E	& XG 06433	170 days, 287 km, 76°					

KB81228	Poland, Gdansk	12.10.2007	F	3	Poland, Koszalin, Bukowo-Kopan Russia, Fringilla	54.27N, 16.25E 55.05N, 20.44E	& XG 12095	725 days, 285 km, 76°
KB86900	Poland, Gdansk	22.10.2007 12.10.2010	F F	3 4	Poland, Koszalin, Bukowo-Kopan Russia, Fringilla	54.28N, 16.25E 55.05N, 20.44E	& XH 17401	1086 days, 285 km, 76°
14640. <i>Parus major</i>, Great Tit (14)								
49V82231	Belgium, Bruxelles	05.03.2009 12.10.2010	F F	5 4	Belgium, Oost-Vlaanderen, Melsele Russia, Fringilla	51.13N, 4.16E 55.05N, 20.44E	& XH 17515	586 days, 1178 km, 69°
PC33535	Germany, Hiddensee	19.03.2009 04.10.2009	F F	6 4	Germany, Mecklenburg-Vorpommern Greifswalder Oie Russia, Fringilla	54.15N, 13.55E 55.05N, 20.44E	& XG 11178	199 days, 448 km, 78°
VU56700	Lithuania, Kaunas	20.09.2010 24.09.2010	M M	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 11414	4 days, 43 km, 226°
VU63248	Lithuania, Kaunas	22.09.2010 29.09.2010	F F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 12511	7 days, 43 km, 226°
VU64960	Lithuania, Kaunas	23.09.2010 25.09.2010	F F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 12042	2 days, 43 km, 226°
VU66144	Lithuania, Kaunas	05.10.2010 09.10.2010	F F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 16520	4 days, 43 km, 226°
VU74356	Lithuania, Kaunas	13.10.2010 18.10.2010	F F	4 4	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 18487	5 days, 43 km, 226°
VU78668	Lithuania, Kaunas	15.10.2010 20.10.2010	F F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XH 18657	5 days, 43 km, 226°
VU79882	Lithuania, Kaunas	25.10.2010 26.10.2010	M M	3 4	Lithuania, Šilute, Ventes Ragas Russia, Rybachy	55.21N, 21.13E 55.09N, 20.51E	& XH 20915	1 day, 32 km, 226°

VX92442	Lithuania, Kaunas	11.10.2009 06.10.2010	M M	3 4	Lithuania, Neringa, Juodkrante Russia, Fringilla	55.31N, 21.07E 55.05N, 20.44E	& XH 14817	360 days, 54 km, 207°	
KN72238	Poland, Gdansk	02.04.2006 05.04.2006	F F	5 5	Poland, Gdansk, Kuznica Russia, Fringilla	54.44N, 18.34E 55.05N, 20.44E	& XN 08688	3 days, 144 km, 74°	
K4B1392	Poland, Gdansk	20.03.2009 12.10.2010	F F	5 4	Poland, Szczecin, Miedzzydroje Russia, Fringilla	53.56N, 14.27E 55.05N, 20.44E	& XH 17450	571 days, 425 km, 73°	
K4E1434	Poland, Gdansk	06.11.2009 07.04.2010	F F	3 5	Poland, Koszalin, Darlowo, Kopan Russia, Rybachy	54.27N, 16.24E 55.09N, 20.51E	& XG 75078	152 days, 295 km, 75°	
K5A3169	Poland, Gdansk	23.12.2007 30.04.2010	M M	3 6	Poland, Bialystok, Wasilkow, Jurowce Russia, Fringilla	53.12N, 23.09E 55.05N, 20.44E	& XG 17201	859 days, 262 km, 232°	
14900. Remiz pendulinus, Penduline Tit (2)									
AY31112	Italy, Bologna	30.01.2009 25.07.2009	F F	2 4	Italy, Ravenna, Russi Russia, Rybachy	44.22N, 12.02E 55.09N, 20.51E	& XG 01793	176 days, 1355 km, 28°	
AZ73065	Italy, Bologna	02.11.2007 30.07.2008	I F	3 4	Italy, Livorno-Pisa, Piombino Russia, Rybachy	42.57N, 10.37E 55.09N, 20.51E	& XP 06619	271 days, 1547 km, 29°	
15820. Sturnus vulgaris, Starling (4)									
KV70127	Lithuania, Kaunas	15.06.2010 21.06.2010	i F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& TA 61126	6 days, 43 km, 226°	
KV70430	Lithuania, Kaunas	16.06.2010 21.06.2010	I F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& TA 61127	5 days, 43 km, 226°	
KV72403	Lithuania, Kaunas	22.06.2010 22.06.2010	I F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& TA 61437	0 day, 43 km, 226°	
KV73504	Lithuania, Kaunas	26.06.2010 26.06.2010	I F	3 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& TA 61658	0 day, 43 km, 226°	

16360. <i>Fringilla coelebs</i>, Chaffinch (3)										
081101V	Finland,	28.04.2009	M	6	Finland, Turku-Pori, Turku	60.26N, 22.11E				
Helsinki		03.10.2009	M	4	Russia, Fringilla	55.05N, 20.44E	& XG 10800	158 days,	601 km,	188°
J841442	Finland,	06.05.2007	F	5	Finland, Uusimaa, Kirkkonummi, Rönnskär	59.56N, 24.24E				
Helsinki		23.04.2008	F	6	Russia, Fringilla	55.05N, 20.44E	& XN 74296	353 days,	582 km,	202°
N870945	Spain,	28.08.2009	M	3	Spain, Barcelona, Mollet del Valles	41.32N, 2.16E				
Madrid (Icna)		01.05.2010	M	6	Russia, Fringilla	55.05N, 20.44E	& XG 17287	246 days,	2032 km,	42°
16380. <i>Fringilla montifringilla</i>, Brambling (1)										
202637V	Finland,	01.10.2008	M	4	Finland, Häme, Nastola	60.55N, 25.54E				
Helsinki		03.10.2009	M	4	Russia, Fringilla	55.05N, 20.44E	& XG 09870	367 days,	716 km,	205°
16490. <i>Carduelis chloris</i>, Greenfinch (1)										
207276V	Finland,	13.10.2008	F	4	Finland, Uusimaa, Hanko, Tulliniemi	59.49N, 22.54E				
Helsinki		05.04.2009	F	6	Russia, Fringilla	55.05N, 20.44E	& N 00425	174 days,	542 km,	194°
16540. <i>Carduelis spinus</i>, Siskin (5)										
S204424	Czech	24.07.2004	M	2	Czech Republic, Stredocesky a Praha,	50.01N, 14.30E				
Republic, Praha		25.09.2004	M	4	Praha-Kunratice	55.05N, 20.44E	& XF 55098	214 days,	703 km,	37°
146770H	Finland,	15.04.2009	M	4	Finland, Vaasa, Kokkola	63.52N, 23.06E				
Helsinki		25.06.2009	M	5	Russia, Fringilla	55.05N, 20.44E	& XP 95869	71 days,	985 km,	188°
X037376	Great	23.03.2008	F	5	Great Britain, Norfolk, Thetford	52.24N, 0.43E				
Britain, London		06.04.2009	F	6	Russia, Fringilla	55.05N, 20.44E	& XP 66602	379 days,	1349 km,	77°
GX7563	Italy,	18.03.2009	F	5	Italy, Bergamo, Miragolo, Zongo	45.48N, 9.44E				
Bologna		20.04.2009	F	5	Russia, Fringilla	55.05N, 20.44E	& XP 93119	33 days,	1292 km,	37°
JA04060	Latvia,	05.09.2009	F	3	Latvia, Liepaja, Pape	56.09N, 21.01E				
Riga		29.04.2010	F	5	Russia, Fringilla	55.05N, 20.44E	V	236 days,	120 km,	189°

16630. <i>Carduelis flammea</i>, Redpoll (2)										
CJ18293	Sweden,	11.11.2009	M	4	Sweden, Öland, Ottenby			56.12N, 16.24E		
	Stockholm	07.04.2010	M	6	Russia, Rybachy			55.09N, 20.51E	& XG 75066	147 days, 302 km, 113°
CK80122	Sweden,	02.10.2010	M	4	Sweden, Norrbotten, Haparanda Sandskär			65.34N, 23.46E		
	Stockholm	27.10.2010	M	4	Russia, Fringilla			55.05N, 20.44E	& VN 14902	25 days, 1177 km, 188°

2.3. Data with ringing information still not available

10990. <i>Eriothacus rubecula</i>, Robin (2)										
11522468	Belgium, Bruxelles	31.03.2010	I	5	Russia, Rybachy			55.09N, 20.51E	& XG 05471	
BE06227	France, Strasbourg	01.04.2010	I	5	Russia, Fringilla			55.05N, 20.44E	& XG 15286	
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (2)										
11631128	Belgium, Bruxelles	24.05.2010	I	4	Russia, Rybachy			55.09N, 20.51E	& XG 76785	
VA46136	Estonia, Matsalu	11.08.2010	I	3	Russia, Rybachy			55.09N, 20.51E	& XH 07497	
13640. <i>Regulus regulus</i>, Goldcrest (1)										
AF9795	Switzerland, Sempach	17.10.2010	M	4	Russia, Rybachy			55.09N, 20.51E	& VN 13099	
13640. <i>Panurus biarmicus</i>, Bearded Tit (1)										
JA01945	Latvia, Riga	15.04.2010	F	4	Russia, Rybachy			55.09N, 20.51E	& XG 75319	
14370. <i>Aegithalos caudatus</i>, Long-tailed Tit (18)										
BS2259	Latvia, Riga	05.10.2010	I	2	Russia, Fringilla			55.05N, 20.44E	& VK 43660	
XC25687	Estonia, Matsalu	01.10.2010	I	3	Russia, Rybachy			55.09N, 20.51E	& VK 67433	
XC25690	Estonia, Matsalu	01.10.2010	I	3	Russia, Rybachy			55.09N, 20.51E	& VK 67430	

XC25693 Estonia, Matsalu	01.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 67443
XC25695 Estonia, Matsalu	01.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 67435
XC27740 Estonia, Matsalu	13.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12300
XC27741 Estonia, Matsalu	13.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12299
XC27744 Estonia, Matsalu	13.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12296
XC27745 Estonia, Matsalu	13.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12286
XC27746 Estonia, Matsalu	13.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12297
XC27747 Estonia, Matsalu	13.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 12301
XC27907 Estonia, Matsalu	10.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 11287
XC27948 Estonia, Matsalu	10.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 11401
XC28830 Estonia, Matsalu	26.10.2010	I	2	Russia, Fringilla	55.05N, 20.44E	& VN 14449
XC28954 Estonia, Matsalu	27.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 79409
XC28955 Estonia, Matsalu	27.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 79411
XC28958 Estonia, Matsalu	27.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 79405
XC28960 Estonia, Matsalu	27.10.2010	I	3	Russia, Rybachy	55.09N, 20.51E	& VK 79408
14620. Parus caeruleus, Blue Tit (1)						
VA72631 Estonia, Matsalu	05.10.2010	M	3	Russia, Fringilla	55.05N, 20.44E	+Ac
14640. Parus major, Great Tit (1)						
VA25256 Estonia, Matsalu	05.10.2010	F	4	Russia, Fringilla	55.05N, 20.44E	& XH 14100
16790. Carpodacus erythrinus, Scarlet Rosefinch (1)						
2KK73866 Sweden, Stockholm	06.07.2010	M	4	Russia, Rybachy	55.09N, 20.51E	& XL 54180

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