

Results of bird trapping and ringing by the Biological Station “Rybachy” on the Courish Spit in 2008

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In 2008, a grand total of 42,151 birds of 101 species were trapped and ringed by the Biological Station “Rybachy” in the framework of long- and short-term research projects. A total of 1,552 ringed birds of 56 species produced 2,408 recaptures. In 2008, 274 birds of 33 species ringed on the Courish Spit in previous years were retrapped. Between 15.03.2008 and 15.03.2009, 58 birds of 19 species ringed on the Courish Spit were reported as recovered more than 20 km from the ringing site. In 2008, 139 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.

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

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This annual report is the 11th 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) 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 2007: trap 4 (NE orientation of entrance) – from March 30 until October 27, trap 5 (SW orientation of entrance) – from March 30 until October 27. 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 20-year 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 2008, 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.

2. Results of bird ringing in 2008

Overall, 42,151 birds of 101 species were trapped and ringed by the Biological Station Rybachy in the framework research projects. A total of 23,425 birds of 82 species were trapped and ringed in Rybachy-type traps and the field site "Fringilla", and 12,913 birds of 75 species were trapped and ringed in mist nets at the field site "Rybachy". In 2008, 2,829 pulli of 24 species and 98 adults of 5 species were ringed

Table 1. Numbers of birds ringed by Biological station “Rybachy” in 2008.

EURING code	Species*	Rybachy- type traps ("Fringilla")	Mist- nets ("Rybachy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				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	–	–	–	–	–	–	4
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
02690	<i>Accipiter nisus</i> Sparrowhawk	75	3	–	–	–	78	7,103

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Fringilla")	Mist- nets ("Rybachy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
02870	<i>Buteo buteo</i> Buzzard	–	–	–	–	–	–	21
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	–	–	–	–	–	–	14
04240	<i>Gallinula chloropus</i> Moorhen	–	1	–	–	–	1	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 ("Fringilla")	Mist- nets ("Rybachy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				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	2	–	–	–	–	2	207
05410	<i>Numenius arquata</i> Curlew	–	–	–	–	–	–	1
05530	<i>Tringa ochropus</i> Green Sandpiper	1	–	–	–	–	1	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 ("Fringilla")	Mist- nets ("Rybachy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
06700	<i>Columba palumbus</i> Woodpigeon	–	–	–	–	–	–	65
06840	<i>Streptopelia decaocto</i> Collared Dove	–	–	–	–	–	–	34
06870	<i>Streptopelia turtur</i> Turtle Dove	–	–	–	–	–	–	123
07240	<i>Cuculus canorus</i> Cuckoo	14	–	–	–	–	14	1,439
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	4	–	–	–	–	4	58
07670	<i>Asio otus</i> Long-eared Owl	28	–	–	–	–	28	3,342
07680	<i>Asio flammeus</i> Short-eared Owl	1	–	–	–	–	1	56
07700	<i>Aegolius funereus</i> Tengmalm's Owl	–	–	–	–	–	–	334
07780	<i>Caprimulgus europaeus</i> Nightjar	1	–	–	–	–	1	421
07950	<i>Apus apus</i> Swift	4	–	–	–	–	4	650
08310	<i>Alcedo atthis</i> Kingfisher	–	4	–	–	1	5	204
08410	<i>Coracias garrulus</i> Roller	–	–	–	–	–	–	3
08460	<i>Upupa epops</i> Hoopoe	–	–	–	–	–	–	168
08480	<i>Jynx torquilla</i> Wryneck	1	4	–	–	–	5	1,165
08550	<i>Picus canus</i> Grey-headed Wood- pecker	–	1	–	–	–	1	7

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
08560	<i>Picus viridis</i> Green Woodpecker	–	–	–	–	–	–	2
08630	<i>Dryocopus martius</i> Black Woodpecker	–	1	–	–	1	2	14
08760	<i>Dendrocopos major</i> Great Spotted Wood- pecker	51	49	–	–	21	121	2,948
08830	<i>Dendrocopos medius</i> Middle Spotted Wood- pecker	2	3	–	–	1	6	60
08840	<i>Dendrocopos leucotos</i> White-backed Wood- pecker	–	–	–	–	–	–	4
08870	<i>Dendrocopos minor</i> Lesser Spotted Wood- pecker	13	12	–	–	3	28	448
09740	<i>Lullula arborea</i> Woodlark	10	–	–	–	–	10	4,760
09760	<i>Alauda arvensis</i> Skylark	–	–	–	–	–	–	487
09780	<i>Eremophilla alpestris</i> Shore Lark	–	–	–	–	–	–	5
09810	<i>Riparia riparia</i> Sand Martin	58	1	–	–	–	59	5,051
09920	<i>Hirundo rustica</i> Swallow	192	2	32	–	58	284	11,094
10010	<i>Delichon urbica</i> House Martin	33	–	–	–	–	33	8,521
10020	<i>Anthus novaseelandiae</i> Richard's Pipit	–	–	–	–	–	–	3
10050	<i>Anthus campestris</i> Tawny Pipit	2	–	–	–	–	2	137
10090	<i>Anthus trivialis</i> Tree Pipit	54	–	–	–	33	87	5,963
10110	<i>Anthus pratensis</i> Meadow Pipit	8	–	–	–	–	8	11,015

Table 1. *Continued*

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				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	11	8	–	–	–	19	2,822
10180	<i>Motacilla citreola</i> Citrine Wagtail	–	–	–	–	–	–	1
10190	<i>Motacilla cinerea</i> Grey Wagtail	–	–	–	–	–	–	10
10200	<i>Motacilla alba</i> Pied Wagtail	253	28	20	–	4	305	11,683
10480	<i>Bombicilla garrulus</i> Waxwing	–	9	–	–	3	12	1,292
10500	<i>Cinclus cinclus</i> Dipper	–	–	–	–	–	–	1
10660	<i>Troglodytes troglodytes</i> Wren	96	270	10	–	12	388	12,180
10840	<i>Prunella modularis</i> Dunnock	5	141	–	–	4	150	5,954
10990	<i>Erithacus rubecula</i> Robin	1,210	3,498	–	–	190	4,898	168, 220
11030	<i>Luscinia luscinia</i> Thrush Nightingale	2	53	–	–	10	65	2,249
11060	<i>Luscinia svecica</i> Bluethroat	1	3	–	–	–	4	216
11130	<i>Tarsiger cyanurus</i> Red-flanked Bluetail	–	1	–	–	–	1	2
11210	<i>Phoenicurus ochruros</i> Black Redstart	27	–	–	–	1	28	1,466
11220	<i>Phoenicurus phoenicurus</i> Redstart	112	103	7	–	14	236	13,280
11370	<i>Saxicola rubetra</i> Whinchat	31	6	–	–	–	37	3,235
11390	<i>Saxicola torquata</i> Stonechat	–	–	–	–	–	–	3
11460	<i>Oenanthe oenanthe</i> Northern Wheatear	1	2	–	–	–	3	848

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Fringilla")	Mist- nets ("Rybachy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
11860	<i>Turdus torquatus</i> Ring Ouzel	–	–	–	–	–	–	14
11870	<i>Turdus merula</i> Blackbird	225	239	8	–	3	475	12,568
11980	<i>Turdus pilaris</i> Fieldfare	13	1	–	–	–	14	2,511
12000	<i>Turdus philomelos</i> Song Thrush	123	297	–	–	9	429	27,036
12010	<i>Turdus iliacus</i> Redwing	68	28	–	–	–	96	6,121
12020	<i>Turdus viscivorus</i> Mistle Thrush	–	–	–	–	–	–	295
12360	<i>Locustella naevia</i> Grasshopper Warbler	1	3	–	–	–	4	701
12370	<i>Locustella fluviatilis</i> River Warbler	–	2	–	–	–	2	156
12380	<i>Locustella luscinioides</i> Savi's Warbler	–	2	–	–	–	2	82
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	–	279	–	–	2	281	9,560
12470	<i>Acrocephalus agricola</i> Paddyfield Warbler	–	–	–	–	–	–	5
12480	<i>Acrocephalus dumetorum</i> Blyth's Reed Warbler	1	3	–	–	3	7	96
12500	<i>Acrocephalus palustris</i> Marsh Warbler	2	178	–	–	4	184	5,622
12510	<i>Acrocephalus scirpaceus</i> Reed Warbler	–	319	–	–	11	330	19,207
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	–	44	5	1	–	50	2,884
12560	<i>Hippolais caligata</i> Booted Warbler	–	–	–	–	–	–	6
12590	<i>Hippolais icterina</i> Icterine Warbler	92	35	27	–	60	214	11,112

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
12650	<i>Sylvia cantillans</i> Subalpine Warbler	–	–	–	–	–	–	4
12730	<i>Sylvia nisoria</i> Barred Warbler	5	2	22	–	1	30	3,962
12740	<i>Sylvia curruca</i> Lesser Whitethroat	79	133	201	–	33	446	18,754
12750	<i>Sylvia communis</i> Whitethroat	80	258	10	–	15	363	12,851
12760	<i>Sylvia borin</i> Garden Warbler	15	254	18	–	60	347	22,424
12770	<i>Sylvia atricapilla</i> Blackcap	30	470	16	–	124	640	23,209
12930	<i>Phylloscopus trochiloides</i> Greenish Warbler	–	2	–	–	–	2	95
12980	<i>Phylloscopus proregulus</i> Pallas' Warbler	–	1	–	–	–	1	25
13000	<i>Phylloscopus inornatus</i> Yellow-browed Warbler	5	1	–	–	–	6	106
13010	<i>Phylloscopus schwarzi</i> Radde's Warbler	–	–	–	–	–	–	3
13030	<i>Phylloscopus fuscatus</i> Dusky Warbler	–	–	–	–	–	–	2
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	86	85	–	–	43	214	15,708
13110	<i>Phylloscopus collybitus</i> Chiffchaff	120	195	–	–	3	318	11,327
13120	<i>Phylloscopus trochilus</i> Willow Warbler	748	338	–	–	152	1,238	154,096
13140	<i>Regulus regulus</i> Goldcrest	6,090	3,203	–	–	39	9,332	365,304
13150	<i>Regulus ignicapillus</i> Firecrest	–	2	–	–	–	2	74
13350	<i>Muscicapa striata</i> Spotted Flycatcher	50	53	10	–	36	149	10,045
13430	<i>Ficedula parva</i> Red-breasted Fly- catcher	1	9	–	–	2	12	1,170

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Fringilla")	Mist- nets ("Rybachy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
13480	<i>Ficedula albicollis</i> Collared Flycatcher	–	–	–	–	–	–	23
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	55	92	297	52	27	523	27,161
13640	<i>Panurus biarmicus</i> Bearded Tit	–	31	–	–	–	31	443
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	902	268	–	–	3	1,173	54,029
14400	<i>Parus palustris</i> Marsh Tit	10	30	23	–	46	109	2,145
14420	<i>Parus montanus</i> Willow Tit	9	–	–	–	5	14	2,231
14540	<i>Parus cristatus</i> Crested Tit	6	–	–	–	14	20	753
14610	<i>Parus ater</i> Coal Tit	110	–	73	1	14	198	55,230
14620	<i>Parus caeruleus</i> Blue Tit	1,913	341	198	4	196	2,652	89,571
14640	<i>Parus major</i> Great Tit	3,152	674	1,649	40	166	5,681	225,464
14790	<i>Sitta europaea</i> Nuthatch	1	3	–	–	6	10	359
14860	<i>Certhia familiaris</i> Treetreeper	2	36	2	–	9	49	6,295
14870	<i>Certhia brachydactyla</i> Short-toed Treetreeper	–	–	–	–	–	–	16
14900	<i>Remiz pendulinus</i> Penduline Tit	–	32	–	–	–	32	1,096
15080	<i>Oriolus oriolus</i> Golden Oriole	–	–	–	–	–	–	284
15150	<i>Lanius collurio</i> Red-backed Shrike	20	12	52	–	5	89	3,366
15200	<i>Lanius excubitor</i> Great Grey Shrike	1	–	–	–	–	1	113
15390	<i>Garrulus glandarius</i> Jay	26	9	–	–	–	35	6,297
15490	<i>Pica pica</i> Magpie	–	1	–	–	–	1	86

Table 1. *Continued*

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				Nest- lings	Adults			
15570	<i>Nucifraga caryocatactes</i> Nutcracker	13	–	–	–	1	14	471
15600	<i>Corvus monedula</i> Jackdaw	–	–	–	–	–	–	77
15630	<i>Corvus frugilegus</i> Rook	–	–	–	–	–	–	60
15672	<i>Corvus corone cornix</i> Hooded Crow	–	–	–	–	–	–	70
15720	<i>Corvus corax</i> Raven	–	–	–	–	–	–	4
15820	<i>Sturnus vulgaris</i> Starling	520	126	–	–	17	663	105,522
15910	<i>Passer domesticus</i> House Sparrow	–	–	–	–	43	43	954
15980	<i>Passer montanus</i> Tree Sparrow	2	4	–	–	–	6	258
16360	<i>Fringilla coelebs</i> Chaffinch	4,141	324	118	–	302	4,885	740,771
16380	<i>Fringilla montifringilla</i> Brambling	757	16	–	–	–	773	72,948
16400	<i>Serinus serinus</i> Serin	7	–	–	–	–	7	439
16490	<i>Carduelis chloris</i> Greenfinch	46	4	–	–	35	85	7,589
16530	<i>Carduelis carduelis</i> Goldfinch	20	2	–	–	–	22	3,058
16540	<i>Carduelis spinus</i> Siskin	1,183	9	–	–	467	1,659	213,894
16600	<i>Carduelis cannabina</i> Linnet	5	–	6	–	2	13	1,632
16620	<i>Carduelis flavirostris</i> Twite	–	–	–	–	–	–	32
16630	<i>Carduelis flammea</i> Redpoll	204	8	–	–	–	212	13,441
16640	<i>Carduelis hornemanni</i> Arctic Redpoll	–	–	–	–	–	–	18
16650	<i>Loxia leucoptera</i> Two-barred Crossbill	–	–	–	–	–	–	18

Table 1. *Continued*

EURING code	Species*	Rybachy- type traps ("Frin- gilla")	Mist- nets ("Ryba- chy")	Nests		Other research projects and methods	Total ringed in 2008	Grand total 1956–2008
				Nest- lings	Adults			
16660	<i>Loxia curvirostra</i> Crossbill	93	–	–	–	512	605	13,401
16680	<i>Loxia pytyopsittacus</i> Parrot Crossbill	–	–	–	–	4	4	11
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	17	42	11	–	23	93	6,820
16990	<i>Pinicola enucleator</i> Pine Grosbeak	–	–	–	–	–	–	1
17100	<i>Pyrhula pyrrhula</i> Bullfinch	13	101	–	–	–	114	13,973
17170	<i>Coccothraustes cocco- thraustes</i> Hawfinch	9	7	–	–	18	34	1,690
18470	<i>Calcarius lapponicus</i> Lapland Bunting	–	–	–	–	–	–	3
18500	<i>Plectrophenax nivalis</i> Snow Bunting	–	–	–	–	–	–	1
18570	<i>Emberiza citrinella</i> Yellowhammer	47	–	14	–	15	76	4,660
18660	<i>Emberiza hortulana</i> Ortolan Bunting	–	–	–	–	–	–	515
18730	<i>Emberiza rustica</i> Rustic Bunting	–	–	–	–	–	–	10
18740	<i>Emberiza pusilla</i> Little Bunting	1	–	–	–	–	1	11
18770	<i>Emberiza schoeniclus</i> Reed Bunting	3	102	–	–	–	105	2,576
18810	<i>Emberiza melanocephala</i> Black-headed Bunting	–	–	–	–	–	–	1
18820	<i>Miliaria calandra</i> Corn Bunting	–	–	–	–	–	–	8
	Total birds	23,425	12,913	2,829	98	2,886	42,151	2,707,706
	Total species	82	75	24	5	56	101	197

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

at nests. Finally, 2,886 birds of 56 species were trapped and ringed by other methods in the framework of short-term research projects in 2008, 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 2008. Additionally, the grand ringing totals for 1956–2008 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 1,552 individuals of 56 species ringed in 2008 produced 2,408 retraps. In addition, 274 controls (33 species) were obtained from birds ringed in previous years.

3. List of long-distance recoveries reported in 2008

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 20km 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 15.03.2008 and 15.03.2009. 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, 2002b, 2003, 2004, 2005, 2008, 2009) 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

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

EURING code	Species	Retraps of birds ringed in 2008		Controls of birds ringed earlier than 2008	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
02690	<i>Accipiter nisus</i> Sparrowhawk	1	1	1	1	2
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	16	28	3	–	–
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	5	7	1	–	1
09810	<i>Riparia riparia</i> Sand Martin	–	–	–	1	–
09920	<i>Hirundo rustica</i> Swallow	9	12	4	–	–
10090	<i>Anthus trivialis</i> Tree Pipit	6	6	2	–	–
10200	<i>Motacilla alba</i> Pied Wagtail	23	29	10	1	1
10480	<i>Bombycilla garrulus</i> Waxwing	1	1	–	–	–
10660	<i>Troglodytes troglodytes</i> Wren	23	25	2	–	1
10840	<i>Prunella modularis</i> Dunnock	6	13	–	–	–
10990	<i>Erithacus rubecula</i> Robin	207	272	–	7	3
11030	<i>Luscinia luscinia</i> Thrush Nightingale	12	31	8	1	–
11220	<i>Phoenicurus phoenicurus</i> Redstart	12	34	1	–	–
11870	<i>Turdus merula</i> Blackbird	28	42	3	3	–
12000	<i>Turdus philomelos</i> Song Thrush	3	3	–	4	–
12010	<i>Turdus iliacus</i> Redwing	1	1	–	–	–
12370	<i>Locustella fluviatilis</i> River Warbler	1	1	–	–	–
12380	<i>Locustella luscinioides</i> Savi's Warbler	1	1	–	–	–
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	19	23	1	1	–
12500	<i>Acrocephalus palustris</i> Marsh Warbler	21	33	6	–	–

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2008		Controls of birds ringed earlier than 2008	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
12510	<i>Acrocephalus scirpaceus</i> Reed Warbler	57	103	17	2	3
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	9	12	4	–	–
12590	<i>Hippolais icterina</i> Icterine Warbler	7	12	8	–	–
12730	<i>Sylvia nisoria</i> Barred Warbler	1	1	–	–	–
12740	<i>Sylvia curruca</i> Lesser Whitethroat	24	49	6	–	–
12750	<i>Sylvia communis</i> Whitethroat	12	23	7	–	–
12760	<i>Sylvia borin</i> Garden Warbler	11	12	3	–	1
12770	<i>Sylvia atricapilla</i> Blackcap	76	105	9	1	–
13110	<i>Phylloscopus collybitus</i> Chiffchaff	19	23	1	–	–
13120	<i>Phylloscopus trochilus</i> Willow Warbler	133	206	42	–	–
13140	<i>Regulus regulus</i> Goldcrest	156	254	–	5	13
13350	<i>Muscicapa striata</i> Spotted Flycatcher	7	7	3	–	–
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	13	13	6	–	–
13640	<i>Panurus biarmicus</i> Bearded Tit	3	4	–	–	1
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	19	21	–	–	22
14400	<i>Parus palustris</i> Marsh Tit	29	69	4	–	–
14420	<i>Parus montanus</i> Willow Tit	3	4	–	–	–
14540	<i>Parus cristatus</i> Crested Tit	6	9	–	–	–
14610	<i>Parus ater</i> Coal Tit	1	1	–	–	1
14620	<i>Parus caeruleus</i> Blue Tit	128	201	16	8	48

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2008		Controls of birds ringed earlier than 2008	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
14640	<i>Parus major</i> Great Tit	282	466	29	5	29
14790	<i>Sitta europaea</i> Nuthatch	4	13			
14860	<i>Certhia familiaris</i> Treetreeper	12	20	–	–	–
14900	<i>Remiz pendulinus</i> Penduline Tit	1	1	–	3	1
15150	<i>Lanius collurio</i> Red-backed Shrike	3	3	–	–	–
15820	<i>Sturnus vulgaris</i> Starling	9	9	1	1	5
15910	<i>Passer domesticus</i> House Sparrow	–	–	3	–	–
16360	<i>Fringilla coelebs</i> Chaffinch	99	157	61	3	1
16380	<i>Fringilla montifringilla</i> Brambling	–	–	–	1	–
16490	<i>Carduelis chloris</i> Greenfinch	3	3	5	–	–
16540	<i>Carduelis spinus</i> Siskin	6	13	–	8	6
16600	<i>Carduelis cannabina</i> Linnet	1	1	–	–	–
16660	<i>Loxia curvirostra</i> Crossbill	3	3	–	1	–
16680	<i>Loxia pytyopsittacus</i> Parrot Crossbill	1	1	–	–	–
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	6	9	1	–	–
17100	<i>Pyrhula pyrrhula</i> Bullfinch	2	2	–	–	–
17170	<i>Coccothraustes coccothraustes</i> Hawfinch	4	5	–	–	–
18570	<i>Emberiza citrinella</i> Yellowhammer	5	5	1	–	–
18770	<i>Emberiza schoeniclus</i> Reed Bunting	2	5	5	–	–
	Total birds	1,552	2,408	274	58	139
	Total species	56	56	33	19	17

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.

In total, between 15.03.2008 and 15.03.2009, we received from the national Ringing Centre in Moscow information on 58 recoveries of birds of 19 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 2008 the station controlled a total of 139 birds of 17 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 9 species ringed outside the Courish Spit and controlled by the Biological Station "Rybachy" in 2008, 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 2007 (listed by alphabetical order):

N. Chernetsov, K. Datnova, E. Golubeva, V. Grinkevich, V. Kosarev, P. Ktitorov, D. Kishkinev, D. Leoke, F. Litvinov, M. Markovets, A. Mukhin, M. Paranicheva, A. Sinelschikova, A. Schapoval, 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 758346	20.08.2006	F 3	Russia, Fringilla		55.05N, 20.44E				
	28.11.2006	F 4	Italy, Cingolani, Recanati		43.24N, 13.34E	(x)	100 days, 1398 km, 202°		
09810. <i>Riparia riparia</i>, Sand Martin (1)									
V D 48383	28.08.2005	I 3	Russia, Fringilla		55.05N, 20.44E				
	09.07.2008	M 4	Finland, Vaasa, Alavus, Tastulankangas		62.30N, 23.36E	V	1046 days, 840 km, 11°		
10200. <i>Motacilla alba</i>, White Wagtail (1)									
XP 04365	13.07.2008	I 3	Russia, Fringilla		55.05N, 20.44E				
	26.10.2008	M 3	Israel, Shaar Hagay		31.47N, 35.00E	V	105 days, 2833 km, 156°		
10990. <i>Erithacus rubecula</i>, Robin (7)									
XF 33558	05.09.2004	I 3	Russia, Rybachy		55.09N, 20.51E				
	03.11.2008	I 2	France, Gironde, Saint-Androny, Le Loudroneau		45.11N, 0.38W	+K	1520 days, 1888 km, 234°		
XF 54667	25.09.2004	I 3	Russia, Fringilla		55.05N, 20.44E				
	11.10.2005	I 2	Italy, Lombardia, Lecco, Cortenova		45.59N, 9.23E	V	381 days, 1290 km, 218°		
XN 12240	24.04.2006	I 5	Russia, Rybachy		55.09N, 20.51E				
	17.10.2006	I 4	Italy, Piemonte, Torino, Bigolia, Vische		45.20N, 7.55E	V	176 days, 1426 km, 220°		
XN 16186	08.10.2006	I 3	Russia, Rybachy		55.09N, 20.51E				
	09.10.2007	I 4	Italy, Trento, Arpaco-Castellano Tesino		46.07N, 11.42E	V	366 days, 1193 km, 213°		
XN 16557	08.10.2006	I 3	Russia, Rybachy		55.09N, 20.51E				
	05.04.2008	I 6	Italy, Portenone, Magredi di Cordenons		46.02N, 12.44E	V	545 days, 1163 km, 209°		
XN 82823	28.04.2008	I 5	Russia, Rybachy		55.09N, 20.51E				
	02.05.2008	I 5	Finland, Aland, Lemland, Lagskar		59.50N, 19.56E	V	4 days, 523 km, 354°		
XP 33205	07.10.2008	I 3	Russia, Fringilla		55.05N, 20.44E				
	19.11.2008	I 2	France, Lot-et-Garonne, Saint-Pardoux du Breuil		44.29N, 0.11E	xG	43 days, 1887 km, 231°		

11030. <i>Luscinia luscinia</i>, Thrush Nightingale (1)									
XN 14254	14.07.2006	I	3	Russia, Rybachy	55.09N, 20.51E				
	16.06.2008	M	6	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V	703 days, 32 km, 46°		
11870. <i>Turdus merula</i>, Blackbird (3)									
K 007530	01.04.2001	F	6	Russia, Fringilla	55.05N, 20.44E				
	02.12.2002	F	2	Italy, Veneto, Vicenza, Schio, M. Guizza	45.45N, 11.20E	V	610 days, 1232 km, 213°		
P 977738	23.07.2008	M	3	Russia, Rybachy	55.09N, 20.51E				
	00.10.2008	I	2	Germany, Nordrhein-Westfalen, Duren, Eifel	50.42N, 6.28E	x	00 days, 1083 km, 243°		
TA 04088	07.10.2001	M	3	Russia, Fringilla	55.05N, 20.44E				
	16.09.2002	I	2	Italy, Vicenza, Fortelongo, Fara Vicentino	45.44N, 11.35E	+	344 days, 1224 km, 212°		
12000. <i>Turdus philomelos</i>, Song Thrush (4)									
K 009359	05.10.2002	I	3	Russia, Rybachy	55.09N, 20.51E				
	26.01.2005	I	2	Italy, Caserta & Napoli, San Pietro, C. Forgiatone	41.26N, 13.58E	+	844 days, 1607 km, 198°		
TA 06307	20.09.2003	I	3	Russia, Rybachy	55.09N, 20.51E				
	18.11.2003	I	2	Italy, Pescara-Teramo, Ancarano	42.50N, 13.44E	x	59 days, 1463 km, 201°		
TA 06905	18.04.2002	I	5	Russia, Rybachy	55.09N, 20.51E				
	25.10.2003	I	2	Italy, Veneto, Vicenza, Zovo, Valdagno	45.41N, 11.18E	+	555 days, 1250 km, 213°		
TA 33239	08.10.2007	I	3	Russia, Fringilla	55.05N, 20.44E				
	01.11.2007	I	2	France, Pyrenees-Atlantiques, Saint-Pee-sur-Nivelle	43.21N, 1.33W	+	24 days, 2077 km, 231°		
12430. <i>Acrocephalus schoenobaenus</i>, Sedge Warbler (1)									
XP 07007	25.08.2008	I	3	Russia, Rybachy	55.09N, 20.51E				
	12.09.2008	I	3	Hungary, Csongrad, Szeged	46.21N, 20.06E	V	18 days, 979 km, 183°		
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (2)									
O 901656	11.07.1998	I	4	Russia, Rybachy	55.09N, 20.51E				
	09.09.1999	I	4	Germany, Düsseldorf, Eignerbach-Klarteich	51.19N, 7.03E	V	425 days, 1012 km, 245°		
XN 79668	25.09.2007	I	3	Russia, Rybachy	55.09N, 20.51E				
	26.08.2008	I	4	France, Bas-Rhin & Belfort, Munchhausen	48.55N, 8.08E	V	336 days, 1111 km, 231°		

12770. <i>Sylvia atricapilla</i>, Blackcap (1)										
XN 83930	03.07.2008	F	3	Russia, Rybachy	55.09N, 20.51E	V	38 days, 32 km, 46°			
	10.08.2008	F	3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E					
13140. <i>Regulus regulus</i>, Goldcrest (5)										
O 619837	28.09.1992	F	3	Russia, Fringilla	55.05N, 20.44E	x	46 days, 1244 km, 250°			
	13.11.1992	F	2	Belgium, West-Vlaanderen, Brugge	51.13N, 3.13E					
VD 01464	01.10.2003	M	3	Russia, Rybachy	55.09N, 20.51E	xG	17 days, 1260 km, 212°			
	18.10.2003	I	2	Italy, Veneto, Vicenza, Altavilla Vicentina	45.31N, 11.28E					
VD 43129	10.10.2004	M	3	Russia, Fringilla	55.05N, 20.44E	V	16 days, 1263 km, 215°			
	26.10.2004	F	3	Italy, Lombardia, Brescia, Paghera, Collio	45.49N, 10.24E					
VK 10011	16.10.2006	M	3	Russia, Rybachy	55.09N, 20.51E	V	4 days, 302 km, 293°			
	20.10.2006	M	4	Sweden, Öland, Ottenby	56.12N, 16.24E					
VK 30795	23.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E	xG	14 days, 1205 km, 226°			
	06.11.2008	M	2	Switzerland, Aargau, Leibstadt	47.36N, 8.10E					
14620. <i>Parus caeruleus</i>, Blue Tit (8)										
XF 52375	17.09.2004	F	3	Russia, Fringilla	55.05N, 20.44E	V	1113 days, 43 km, 46°			
	05.10.2007	F	4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E					
XN 15251	30.08.2006	F	3	Russia, Rybachy	55.09N, 20.51E	V	190 days, 143 km, 231°			
	08.03.2007	F	5	Poland, Gdansk, Stegna	54.20N, 19.07E					
XN 70254	04.10.2007	F	4	Russia, Fringilla	55.05N, 20.44E	V	372 days, 1002 km, 245°			
	10.10.2008	M	4	Germany, Düsseldorf, Velbert-Tomisheide, Meiberg	51.19N, 7.03E					
XN 70450	09.10.2007	F	3	Russia, Fringilla	55.05N, 20.44E	V	171 days, 426 km, 252°			
	28.03.2008	F	5	Poland, Szczecin, Miedzzydroje	53.55N, 14.27E					
XN 81064	07.10.2007	F	3	Russia, Rybachy	55.09N, 20.51E	V	380 days, 32 km, 46°			
	21.10.2008	F	5	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E					
XP 08697	19.09.2008	M	4	Russia, Rybachy	55.09N, 20.51E	V	5 days, 44 km, 22°			
	24.09.2008	M	4	Lithuania, Neringa, Juodkrante	55.31N, 21.07E					
XP 34918	25.10.2008	F	3	Russia, Fringilla	55.05N, 20.44E	V	106 days, 705 km, 257°			
	09.02.2009	F	5	Germany, Hamburg, Hamburg-Sasel	53.40N, 10.07E					

XY 49730	30.10.2006 26.09.2007	F 3 F 4	Russia, Fringilla Lithuania, Šilute, Ventės Ragas	55.05N, 20.44E 55.21N, 21.13E	V	331 days, 43 km, 46°
14640. <i>Parus major</i>, Great Tit (5)						
XN 65043	22.05.2007 28.03.2008	I 1 F 5	Russia, Kaliningrad, Courish Spit Poland, Szczecin, Miedzzydroje	55.08N, 20.48E 53.55N, 14.27E	V	311 days, 431 km, 252°
XN 66379	05.07.2007 11.10.2008	I 1 F 4	Russia, Kaliningrad, Courish Spit Belgium, Limburg, Nerem	55.08N, 20.48E 50.46N, 5.31E	V	464 days, 1132 km, 245°
XN 66397	05.07.2007 17.09.2008	I 1 M 4	Russia, Kaliningrad, Courish Spit Lithuania, Šilute, Ventės Ragas	55.08N, 20.48E 55.21N, 21.13E	V	440 days, 36 km, 48°
XN 71507	18.10.2007 03.03.2008	F 3 F 5	Russia, Fringilla Poland, Szczecin, Miedzzydroje	55.05N, 20.44E 53.55N, 14.27E	V	137 days, 426 km, 252°
XN 76153	29.03.2008 11.10.2008	M 6 M 4	Russia, Rybachy Lithuania, Šilute, Ventės Ragas	55.09N, 20.51E 55.21N, 21.13E	V	196 days, 32 km, 46°
14900. <i>Remiz pendulinus</i>, Penduline Tit (3)						
XY 08622	18.07.2005 18.10.2005	M 4 M 4	Russia, Rybachy Italy, Marche, Ancona, Jesi, C. Bellagamba	55.09N, 20.51E 43.33N, 13.19E	V	92 days, 1399 km, 203°
XY 10594	15.07.2005 16.10.2005	I 3 M 3	Russia, Rybachy Italy, Roma, Ladispoli, Flavia	55.09N, 20.51E 41.57N, 12.04E	V	93 days, 1602 km, 204°
XY 11291	14.08.2005 28.03.2007	I 3 M 6	Russia, Rybachy Italy, Veneto, Vicenza, Casale	55.09N, 20.51E 45.32N, 11.34E	V	591 days, 1255 km, 212°
15820. <i>Sturnus vulgaris</i>, Starling (2)						
TA 32103	10.07.2006 17.10.2006	M 3 I 2	Russia, Fringilla Poland, Gdansk, Gdynia	55.05N, 20.44E 54.31N, 18.32E	(x)	99 days, 154 km, 246°
TA 32552	23.06.2007 15.04.2008	M 3 I 2	Russia, Fringilla Great Britain, Cumbria, Penrith, Cliffron	55.05N, 20.44E 54.37N, 2.43W	x	297 days, 1501 km, 268°
16360. <i>Fringilla coelebs</i>, Chaffinch (3)						
XF 60221	14.09.2004 12.01.2008	M 3 I 2	Russia, Rybachy France, Landes, Castel-Sarrazin	55.09N, 20.51E 43.36N, 0.47W	xG	1215 days, 2024 km, 230°

XN 72943	22.04.2008	F	5	Russia, Fringilla	55.05N; 20.44E	V	1 day, 54 km, 27°
	23.04.2008	F	5	Lithuania, Neringa, Juodkrante	55.31N; 21.07E		
XY 49755	30.10.2006	F	3	Russia, Fringilla	55.05N; 20.44E	x	554 days, 848 km, 34°
	06.05.2008	I	2	Finland, Kymi, Suuri Paljarvi, Ruokolahhti	61.23N; 28.55E		
16380. <i>Fringilla montifringilla</i>, Brambling (1)							
XY 45213	10.10.2006	F	4	Russia, Fringilla	55.05N; 20.44E	+	414 days, 1984 km, 231°
	28.11.2007	I	2	France, Landes, Campagne	43.51N; 0.38W		
16540. <i>Carduelis spinus</i>, Siskin (8)							
O 506552	22.10.1989	F	3	Russia, Fringilla	55.05N; 20.44E	(?)	3294 days, 1291 km, 217°
	29.10.1998	I	2	Italy, Lombardia, Bergamo, Ganda, Aviatico	45.47N; 9.48E		
XF 57449	13.10.2004	M	3	Russia, Fringilla	55.05N; 20.44E	xA	1110 days, 1398 km, 216°
	28.10.2007	I	2	Italy, Pavia, Borgo Priolo, M. del Ronco	44.57N; 9.07E		
XK 82788	22.04.2003	M	5	Russia, Fringilla	55.05N; 20.44E	x	359 days, 944 km, 25°
	15.04.2004	I	2	Finland, Kuopio, Hiltulanlahti	62.48N; 27.37E		
XN 67011	17.09.2007	M	3	Russia, Fringilla	55.05N; 20.44E	V	392 days, 1246 km, 215°
	13.10.2008	M	4	Italy, Trento, Tiarno di Sopra, Caset	45.52N; 10.41E		
XT 56729	27.06.2001	F	3	Russia, Fringilla	55.05N; 20.44E	x	1513 days, 1441 km, 207°
	18.08.2005	I	2	Italy, Arezzo, San Giovanni	43.35N; 11.32E		
XT 84454	26.08.2001	F	3	Russia, Fringilla	55.05N; 20.44E	V	40 days, 1263 km, 215°
	05.10.2001	F	3	Italy, Lombardia, Brescia, Paghera, Collio	45.49N; 10.24E		
XY 36373	16.09.2006	M	3	Russia, Fringilla	55.05N; 20.44E	V	395 days, 1246 km, 215°
	16.10.2007	M	4	Italy, Trento, Tiarno di Sopra, Caset	45.52N; 10.41E		
XY 46674	18.10.2006	F	4	Russia, Fringilla	55.05N; 20.44E	V	107 days, 157 km, 246°
	02.02.2007	F	6	Poland, Gdansk, Gdynia-Witomino	54.30N; 18.30E		
16660. <i>Loxia curvirostra</i>, Common Crossbill (1)							
TA 30443	02.07.2006	F	4	Russia, Fringilla	55.05N; 20.44E	V	827 days, 929 km, 213°
	06.10.2008	F	2	Austria, Oberösterreich, Frankenburg, Voeklbruck	48.04N; 13.25E		

3.2. Controls of birds, ringed outside the Courish Spit.

08870. <i>Dendrocopos minor</i>, Lesser Spotted Woodpecker (1)						
VX90531	Lithuania, Kaunas	10.10.2008	F 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	11 days, 44 km, 202°
		21.10.2008	F 3	Russia, Rybachy	55.09N, 20.51E	& FS 13440
10200. <i>Motacilla alba</i>, White Wagtail (1)						
VZ49482	Lithuania, Kaunas	29.06.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	25 days, 43 km, 226°
		24.07.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& XP 04658
10660. <i>Troglodytes troglodytes</i>, Wren (1)						
XP54365	Lithuania, Kaunas	15.09.2008	I 2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	3 days, 32 km, 226°
		18.09.2008	I 3	Russia, Rybachy	55.09N, 20.51E	& VK 27264
10990. <i>Erithacus rubecula</i>, Robin (1)						
K6A6688	Poland, Gdansk	15.10.2007	I 3	Poland, Gdansk, Mierzeja Wislana - Siekierki	54.22N, 19.24E	196 days, 117 km, 47°
		28.04.2008	I 5	Russia, Fringilla	55.05N, 20.44E	& XN 74596
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (3)						
VZ14666	Lithuania, Kaunas	12.06.2007	M 4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	351 days, 32 km, 226°
		28.05.2008	I 4	Russia, Rybachy	55.09N, 20.51E	& XN 83598
VZ51657	Lithuania, Kaunas	24.07.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	14 days, 32 km, 226°
		07.08.2008	I 2	Russia, Rybachy	55.09N, 20.51E	+M
CC15027	Sweden, Stockholm	10.08.2007	I 3	Sweden, Orebro, Kvismaren, Rysjon	59.11N, 15.23E	302 days, 556 km, 144°
		07.06.2008	I 4	Russia, Rybachy	55.09N, 20.51E	& XN 83790
12760. <i>Sylvia borin</i>, Garden Warbler (1)						
VZ51576	Lithuania, Kaunas	23.07.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	20 days, 32 km, 226°
		12.08.2008	I 3	Russia, Rybachy	55.09N, 20.51E	& XP 06854
13140. <i>Regulus regulus</i>, Goldcrest (6)						
BC90690	Croatia, Zagreb	15.10.2007	M 3	Croatia, Pakostane, Vransko lake	43.53N, 15.33E	166 days, 1309 km, 17°
		29.03.2008	M 5	Russia, Rybachy	55.09N, 20.51E	& VK 11272

02119U	Finland, Helsinki	12.10.2008	M 3	Finland, Uusimaa, Tulliniemi, Hanko	59.49N, 22.54E		8 days, 542 km, 194°
		20.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E	& VK 29454	
G14564	Italy, Bologna	21.11.2007	M 3	Italy, Novara & Vercelli, C. Bianca-Dormeletto	45.44N, 8.34E		137 days, 1360 km, 40°
		06.04.2008	M 5	Russia, Rybachy	55.09N, 20.51E	& VK 15455	
XP56521	Lithuania, Kaunas	04.10.2008	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		1 day, 43 km, 226°
		05.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E	& VK 13362	
XP62424	Lithuania, Kaunas	22.10.2008	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		4 days, 43 km, 226°
		26.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E	& VK 32490	
Y19326	Sweden, Stockholm	03.09.2008	F 3	Sweden, Norrbotten, Haparanda Sandskär	65.34N, 23.46E		27 days, 1177 km, 188°
		30.09.2008	F 3	Russia, Fringilla	55.05N, 20.44E	& VD 92957	
13640. <i>Panurus biarmicus</i>, Bearded Tit (1)							
J103751	Latvia, Riga	16.07.2007	F 2	Latvia, Pape, Liepaja	56.10N, 21.01E		
		11.10.2008	F 2	Russia, Rybachy	55.09N, 20.51E	& XP 08108	453 days, 113 km, 185°
14370. <i>Aegithalos caudatus</i>, Long-tailed Tit (22)							
98928	Latvia, Riga	05.10.2008	I 4	Latvia, Pape, Liepaja	56.09N, 21.01E		
		08.10.2008	I 2	Russia, Fringilla	55.05N, 20.44E	& VK 14411	3 days, 120 km, 189°
98938	Latvia, Riga	05.10.2008	I 3	Latvia, Pape, Liepaja	56.09N, 21.01E		
		08.10.2008	I 2	Russia, Fringilla	55.05N, 20.44E	& VK 14412	3 days, 120 km, 189°
XP56812	Lithuania, Kaunas	07.10.2008	I 2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		11.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28169	4 days, 43 km, 226°
XP60695	Lithuania, Kaunas	21.10.2008	I 2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		26.10.2008	I 2	Russia, Fringilla	55.05N, 20.44E	& VK 32440	5 days, 43 km, 226°
XP60705	Lithuania, Kaunas	21.10.2008	I 2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		25.10.2008	I 2	Russia, Fringilla	55.05N, 20.44E	& VK 32153	4 days, 43 km, 226°
XP60812	Lithuania, Kaunas	21.10.2008	I 2	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		
		25.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 32292	4 days, 43 km, 226°
XX21699	Lithuania, Kaunas	08.10.2008	I 2	Lithuania, Neringa	55.27N, 21.04E		
		09.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 14973	1 day, 46 km, 207°

XX22201	Lithuania, Kaunas	08.10.2008	I 2	Lithuania, Neringa	55.27N, 21.04E			
		09.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 14972	1 day, 46 km, 207°	
XX26840	Lithuania, Kaunas	07.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		11.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28127	4 days, 54 km, 207°	
XX26842	Lithuania, Kaunas	07.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		11.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28124	4 days, 54 km, 207°	
XX26935	Lithuania, Kaunas	08.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		11.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28120	3 days, 54 km, 207°	
XX26938	Lithuania, Kaunas	08.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		11.10.2008	I 3	Russia, Rybachy	55.09N, 20.51E	& VK 27496	3 days, 44 km, 202°	
XX27247	Lithuania, Kaunas	09.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28193	4 days, 54 km, 207°	
XX27251	Lithuania, Kaunas	09.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28191	4 days, 54 km, 207°	
XX27291	Lithuania, Kaunas	09.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		12.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	V	3 days, 54 km, 207°	
XX27295	Lithuania, Kaunas	09.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		12.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28177	3 days, 54 km, 207°	
XX27296	Lithuania, Kaunas	09.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		12.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28176	3 days, 54 km, 207°	
XX27324	Lithuania, Kaunas	11.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28214	2 days, 54 km, 207°	
XX27325	Lithuania, Kaunas	11.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28211	2 days, 54 km, 207°	
XX27326	Lithuania, Kaunas	11.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28212	2 days, 54 km, 207°	
XX27327	Lithuania, Kaunas	11.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28210	2 days, 54 km, 207°	
XX27329	Lithuania, Kaunas	11.10.2008	I 2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E			
		13.10.2008	I 3	Russia, Fringilla	55.05N, 20.44E	& VK 28213	2 days, 54 km, 207°	

14610. *Parus ater*, Coal Tit (1)

XX21669 Lithuania, Kaunas 05.10.2008 1 2 Lithuania, Neringa 55.27N, 21.04E
 06.10.2008 M 3 Russia, Fringilla & XP 33151 1 days, 46 km, 207°

14620. *Parus caeruleus*, Blue Tit (38)

9D34193 Denmark, 30.10.2007 M 3 Denmark, Falster, Gedser, Gedser Odde 54.34N, 11.58E
 Copenhagen 22.10.2008 F 4 Russia, Fringilla & XP 63221 358 days, 564 km, 84°
 J154390 Latvia, Riga 28.05.2008 I 1 Latvia, Jelgava, Zemgale 56.35N, 23.33E
 08.10.2008 F 3 Russia, Fringilla & XP 33467 133 days, 242 km, 227°
 JA02525 Latvia, Riga 17.10.2008 M 3 Latvia, Pape, Liepaja 56.09N, 21.01E
 22.10.2008 M 3 Russia, Fringilla & XP 63089 5 days, 120 km, 189°
 VX78270 Lithuania, Kaunas 03.10.2008 F 3 Lithuania, Neringa 55.27N, 21.04E
 04.10.2008 F 3 Russia, Fringilla & XP 32265 1 day, 46 km, 207°
 VX80116 Lithuania, Kaunas 07.10.2008 M 3 Lithuania, Neringa 55.27N, 21.04E
 11.10.2008 M 3 Russia, Fringilla & XP 34881 4 days, 46 km, 207°
 VX80157 Lithuania, Kaunas 07.10.2008 M 3 Lithuania, Neringa 55.27N, 21.04E
 13.10.2008 M 3 Russia, Fringilla & XP 60294 6 days, 46 km, 207°
 VX80329 Lithuania, Kaunas 07.10.2008 F 3 Lithuania, Neringa 55.27N, 21.04E
 12.10.2008 F 3 Russia, Fringilla & XP 60126 5 days, 46 km, 207°
 VX80772 Lithuania, Kaunas 13.10.2008 F 3 Lithuania, Neringa 55.27N, 21.04E
 17.10.2008 F 3 Russia, Fringilla & XP 61555 4 days, 46 km, 207°
 VX81258 Lithuania, Kaunas 21.10.2008 M 3 Lithuania, Neringa 55.27N, 21.04E
 23.10.2008 M 3 Russia, Fringilla & XP 63394 2 days, 46 km, 207°
 VX81277 Lithuania, Kaunas 24.10.2008 F 3 Lithuania, Neringa 55.27N, 21.04E
 25.10.2008 F 3 Russia, Fringilla & XP 64028 1 day, 46 km, 207°
 VX90140 Lithuania, Kaunas 07.10.2008 M 3 Lithuania, Neringa, Juodkrante 55.31N, 21.07E
 10.10.2008 M 3 Russia, Fringilla & XP 34044 3 days, 54 km, 207°
 VX90334 Lithuania, Kaunas 08.10.2008 M 3 Lithuania, Neringa, Juodkrante 55.31N, 21.07E
 13.10.2008 F 3 Russia, Fringilla & XP 60484 5 days, 54 km, 207°
 VX90538 Lithuania, Kaunas 10.10.2008 M 3 Lithuania, Neringa, Juodkrante 55.31N, 21.07E
 12.10.2008 M 3 Russia, Fringilla & XP 60081 2 days, 54 km, 207°

VX90558	Lithuania, Kaunas	12.10.2008	F 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 60297	1 day, 54 km, 207°
		13.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX90587	Lithuania, Kaunas	12.10.2008	F 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 60872	3 days, 54 km, 207°
		15.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX90644	Lithuania, Kaunas	13.10.2008	F 3	Lithuania, Neringa	55.27N, 21.04E	& XP 61902	5 days, 46 km, 207°
		18.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX90654	Lithuania, Kaunas	13.10.2008	F 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 61978	5 days, 54 km, 207°
		18.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX90698	Lithuania, Kaunas	13.10.2008	F 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 61977	5 days, 54 km, 207°
		18.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ29494	Lithuania, Kaunas	22.09.2007	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XN 76774	196 days, 32 km, 226°
		05.04.2008	F 5	Russia, Rybachy	55.09N, 20.51E		
VZ43321	Lithuania, Kaunas	11.10.2007	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XN 72591	188 days, 43 km, 226°
		16.04.2008	M 5	Russia, Fringilla	55.05N, 20.44E		
VZ69668	Lithuania, Kaunas	04.10.2008	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 34880	7 days, 43 km, 226°
		11.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VZ70669	Lithuania, Kaunas	11.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 61362	5 days, 43 km, 226°
		16.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ70854	Lithuania, Kaunas	12.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 61498	5 days, 43 km, 226°
		17.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VZ71815	Lithuania, Kaunas	04.10.2008	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 34289	7 days, 43 km, 226°
		11.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ77008	Lithuania, Kaunas	05.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 60132	7 days, 43 km, 226°
		12.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ82242	Lithuania, Kaunas	12.10.2008	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 61295	4 days, 43 km, 226°
		16.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VZ82770	Lithuania, Kaunas	13.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 62824	8 days, 43 km, 226°
		21.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		

VZ85926	Lithuania, Kaunas	13.10.2008 17.10.2008	M 3 M 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 61547	4 days, 43 km, 226°
VZ87529	Lithuania, Kaunas	18.10.2008 25.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 63991	7 days, 43 km, 226°
VZ87600	Lithuania, Kaunas	18.10.2008 22.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 63082	4 days, 43 km, 226°
VZ87622	Lithuania, Kaunas	18.10.2008 22.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 62997	4 days, 43 km, 226°
VZ88036	Lithuania, Kaunas	18.10.2008 21.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 62833	3 days, 43 km, 226°
VZ88894	Lithuania, Kaunas	18.10.2008 24.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 63640	6 days, 43 km, 226°
VZ88975	Lithuania, Kaunas	18.10.2008 22.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 63215	4 days, 43 km, 226°
VZ90214	Lithuania, Kaunas	18.10.2008 22.10.2008	F 3 F 3	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 63236	4 days, 43 km, 226°
VZ90541	Lithuania, Kaunas	18.10.2008 23.10.2008	F 4 F 4	Lithuania, Šilute, Ventes Ragas Russia, Fringilla	55.21N, 21.13E 55.05N, 20.44E	& XP 63398	5 days, 43 km, 226°
AP35094	Netherlands, Arnhem	29.10.2007 22.04.2008	F 3 F 5	Netherlands, Friesland, Vlieland Barakken- kamp	53.15N, 4.57E 55.05N, 20.44E	& XN 73416	176 days, 1047 km, 79°
KB85662	Poland, Gdansk	17.10.2007 18.10.2008	F 4 F 4	Russia, Fringilla Poland, Koszalin, Bukowo-Kopan Russia, Fringilla	54.27N, 16.25E 55.05N, 20.44E	& XP 61976	367 days, 286 km, 76°
14640. Parus major, Great Tit (25)							
VX78369	Lithuania, Kaunas	03.10.2008 04.10.2008	M 3 M 2	Lithuania, Neringa Russia, Fringilla	55.27N, 21.04E 55.05N, 20.44E	+Ac	1 day, 46 km, 207°
VX78695	Lithuania, Kaunas	04.10.2008 05.10.2008	F 3 F 3	Lithuania, Neringa Russia, Fringilla	55.27N, 21.04E 55.05N, 20.44E	(+)	1 day, 46 km, 207°

VX80305	Lithuania, Kaunas	07.10.2008	M 3	Lithuania, Neringa	55.27N, 21.04E	& XP 34372	4 days, 46 km, 207°
		11.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VX80342	Lithuania, Kaunas	07.10.2008	M 3	Lithuania, Neringa	55.27N, 21.04E	& XP 34021	2 days, 46 km, 207°
		09.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VX80470	Lithuania, Kaunas	07.10.2008	F 3	Lithuania, Neringa	55.27N, 21.04E	& XP 34261	3 days, 46 km, 207°
		10.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX80531	Lithuania, Kaunas	08.10.2008	F 3	Lithuania, Neringa	55.27N, 21.04E	& XP 34594	3 days, 46 km, 207°
		11.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX80802	Lithuania, Kaunas	13.10.2008	F 4	Lithuania, Neringa	55.27N, 21.04E	& XP 60853	2 days, 46 km, 207°
		15.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E		
VX80862	Lithuania, Kaunas	15.10.2008	F 3	Lithuania, Neringa	55.27N, 21.04E	& XP 61183	1 day, 46 km, 207°
		16.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VX80876	Lithuania, Kaunas	15.10.2008	F 3	Lithuania, Neringa	55.27N, 21.04E	& XP 61447	2 days, 46 km, 207°
		17.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E		
VX81321	Lithuania, Kaunas	24.10.2008	F 3	Lithuania, Neringa	55.27N, 21.04E	& XP 64314	3 days, 46 km, 207°
		27.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VX90092	Lithuania, Kaunas	07.10.2008	M 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 60741	7 days, 54 km, 207°
		14.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VX90322	Lithuania, Kaunas	08.10.2008	M 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 60510	5 days, 54 km, 207°
		13.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E		
VX90482	Lithuania, Kaunas	09.10.2008	M 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 60573	4 days, 54 km, 207°
		13.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VX90510	Lithuania, Kaunas	10.10.2008	F 3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	& XP 60022	2 days, 54 km, 207°
		12.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ30577	Lithuania, Kaunas	22.09.2007	M 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	& XN 76198	189 days, 32 km, 226°
		29.03.2008	M 5	Russia, Rybachy	55.09N, 20.51E		
VZ41165	Lithuania, Kaunas	05.10.2007	F 4	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	& XP 63565	385 days, 43 km, 226°
		24.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E		

VZ61196	Lithuania, Kaunas	25.09.2008	M 4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 08228	26 days, 32 km, 226°
		21.10.2008	M 4	Russia, Rybachy	55.09N, 20.51E		
VZ66575	Lithuania, Kaunas	03.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 33185	4 days, 43 km, 226°
		07.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ66682	Lithuania, Kaunas	03.10.2008	M 4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 33132	3 days, 43 km, 226°
		06.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VZ73525	Lithuania, Kaunas	04.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 33236	3 days, 43 km, 226°
		07.10.2008	F 3	Russia, Fringilla	55.05N, 20.44E		
VZ82633	Lithuania, Kaunas	13.10.2008	M 4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 61440	4 days, 43 km, 226°
		17.10.2008	M 4	Russia, Fringilla	55.05N, 20.44E		
VZ84984	Lithuania, Kaunas	18.10.2008	F 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	& XP 62877	4 days, 43 km, 226°
		22.10.2008	M 3	Russia, Fringilla	55.05N, 20.44E		
VZ85386	Netherlands, Arnhem	14.11.2005	F 4	Netherlands, Zuid-Holland, Wassenaar	52.08N, 4.20E	& XP 34546	1062 days, 1130 km, 73°
		11.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E		
V357158	Netherlands, Arnhem	30.10.2007	M 3	Netherlands, Groningen, Schildwolde	53.14N, 6.49E	& XP 63199	358 days, 928 km, 77°
		22.10.2008	F 4	Russia, Fringilla	55.05N, 20.44E		
K6A9603	Poland, Gdansk	31.03.2008	F 6	Poland, Elblag, Kuznica	54.44N, 18.34E	& XN 74546	27 days, 144 km, 74°
		27.04.2008	F 6	Russia, Fringilla	55.05N, 20.44E		
15820. <i>Sturnus vulgaris</i>, Starling (5)							
KV55096	Lithuania, Kaunas	18.06.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		21 days, 32 km, 226°
		09.07.2008	F 3	Russia, Rybachy	55.09N, 20.51E	& TA 31302	
KV57248	Lithuania, Kaunas	28.06.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		22 days, 32 km, 226°
		20.07.2008	M 3	Russia, Rybachy	55.09N, 20.51E	& TA 31319	
KV58938	Lithuania, Kaunas	27.07.2008	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E		9 days, 32 km, 226°
		05.08.2008	F 3	Russia, Rybachy	55.09N, 20.51E	& TA 31377	

KV58939 Lithuania, Kaunas	27.07.2008	F 2	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	84 days, 32 km, 226°
	19.10.2008	F 4	Russia, Rybachy	55.09N, 20.51E & TA 31576	
KV58965 Lithuania, Kaunas	27.07.2008	I 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	9 days, 32 km, 226°
	05.08.2008	F 3	Russia, Rybachy	55.09N, 20.51E & TA 31393	
16540. <i>Carduelis spinus</i>, Siskin (5)					
9X82265 Denmark, Copenhagen	23.10.2005	F 5	Denmark, Falster, Gedser, Gedser Odde	54.34N, 11.58E	913 days, 564 km, 84°
	23.04.2008	F 6	Russia, Fringilla	55.05N, 20.44E & XN 74180	
X036370 Great Britain	26.03.2008	M 6	Great Britain, Norfolk, Garboldisham	52.23N, 0.56E	202 days, 1335 km, 77°
	14.10.2008	M 4	Russia, Fringilla	55.05N, 20.44E & XP 60738	
X168805 Great Britain	30.03.2008	M 5	Great Britain, Northamptonshire, Towcester	52.07N, 1.00W	17 days, 1470 km, 77°
	16.04.2008	M 5	Russia, Fringilla	55.05N, 20.44E & XN 72584	
G64893 Italy, Bologna	11.04.2008	F 5	Italy, Livorno & Pisa, Capria Isola, Garitta	43.03N, 9.51E	76 days, 1554 km, 30°
	26.06.2008	F 5	Russia, Fringilla	55.05N, 20.44E & XP 03573	
AK84906 Netherlands, Arnhem	23.02.2008	M 5	Netherlands, Limburg, Boekend, Venlo	51.23N, 6.07E	216 days, 1055 km, 67°
	26.09.2008	M 4	Russia, Fringilla	55.05N, 20.44E & XP 05872	

3.3. Data with ringing information still not available.

Species unknown (1)

225055 Lithuania, Kaunas 00.07.1985 Russia, Zelenogradsk ()

02690. *Accipiter nisus*, Sparrowhawk (2)

B132275 Finland, Helsinki 21.10.2008 F 3 Russia, Fringilla 55.05N, 20.44E & M 758478

S285058 Finland, Helsinki 05.10.2008 F 4 Russia, Fringilla 55.05N, 20.44E & M 758468

10990. <i>Erithacus rubecula</i>, Robin (1)						
9D60924	Denmark, Copenhagen	28.09.2008	I	3	Russia, Rybachy	55.09N, 20.51E & XN 22626
12510. <i>Acrocephalus scirpaceus</i>, Reed Warbler (1)						
102951H	Finland, Helsinki	25.05.2008	I	4	Russia, Fringilla	55.05N, 20.44E & M 758468
13140. <i>Regulus regulus</i>, Goldcrest (8)						
AH2372	Belgium, Bruxelles	10.04.2008	M	5	Russia, Rybachy	55.09N, 20.51E & VK15840
F80498	Czech Republic, Prague	08.04.2008	M	5	Russia, Rybachy	55.09N, 20.51E & VK15647
XB23439	Estonia, Matsalu	09.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E
XB88019	Estonia, Matsalu	26.10.2008	F	3	Russia, Rybachy	55.09N, 20.51E & VK19052
XB91959	Estonia, Matsalu	08.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E & VK14087
XB93439	Estonia, Matsalu	09.10.2008	M	3	Russia, Fringilla	55.05N, 20.44E & VK14938
LH39913	Poland, Gdansk	06.04.2008	M	5	Russia, Rybachy	55.09N, 20.51E & VK15449
LH41948	Poland, Gdansk	06.04.2008	F	5	Russia, Rybachy	55.09N, 20.51E & VK15425
14620. <i>Parus caeruleus</i>, Blue Tit (9)						
3304620	Belgium, Bruxelles	18.04.2008	F	5	Russia, Rybachy	55.09N, 20.51E & XN 81946
10210621	Belgium, Bruxelles	12.10.2008	M	4	Russia, Fringilla	55.05N, 20.44E & XP 60150
10268681	Belgium, Bruxelles	18.10.2008	M	4	Russia, Fringilla	55.05N, 20.44E & XP 61918
10298437	Belgium, Bruxelles	29.03.2008	F	6	Russia, Rybachy	55.09N, 20.51E & XN 76282

10317048	Belgium, Bruxelles	M	4	Russia, Rybachy	55.09N, 20.51E	& XP 09065
10602840	Belgium, Bruxelles	F	4	Russia, Fringilla	55.05N, 20.44E	& XP 60518
10618075	Belgium, Bruxelles	F	5	Russia, Fringilla	55.05N, 20.44E	& XN 72682
90019857	Germany, Helgoland	F	6	Courish Spit, nestbox	55.08N, 20.49E	V
H240525	Finland, Helsinki	F	3	Russia, Fringilla	55.05N, 20.44E	& XP 64002
VX81264	Lithuania, Kaunas	M	3	Russia, Fringilla	55.05N, 20.44E	& XP 63992
14640. Parus major, Great Tit (4)						
VA57305	Estonia, Matsalu	F	4	Russia, Fringilla	55.05N, 20.44E	& XP 33190
99716V	Finland, Helsinki	M	3	Russia, Fringilla	55.05N, 20.44E	& XP 62791
VX78596	Lithuania, Kaunas	F	3	Russia, Fringilla	55.05N, 20.44E	& XP 32403
VZ82010	Lithuania, Kaunas	M	4	Russia, Fringilla	55.05N, 20.44E	& XP 34079
14900. Remiz pendulinus, Penduline Tit (1)						
AZ73065	Italy, Bologna	F	4	Russia, Rybachy	55.09N, 20.51E	& XP 06619
16360. Fringilla coelebs, Chaffinch (1)						
841442J	Finland, Helsinki	F	6	Russia, Fringilla	55.05N, 20.44E	& XN 74296
16540. Carduelis spinus, Siskin (1)						
10165066	Belgium, Bruxelles	M	5	Russia, Fringilla	55.05N, 20.44E	& XN 73090

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