

Supplementary material

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R. Yrjölä, Environmental Research Yrjölä Ltd., P.O. Box 62, 01800 Klaukkala, Finland, and Department of Biosciences, Ecology and Evolutionary Biology, P.O. Box 65, FI-00014 University of Helsinki, Finland. * Corresponding author's e-mail: rauno.yrjola@yrjola.fi

A. Tanskanen, Yllästunturinkuja 1 H 75, FI-00970 Helsinki, Finland, and Karolinska Institutet, Stockholm, Sweden

H. Sarvanne, Nuppukuja 9 G 13, FI-00710 Helsinki, Finland

J. Vickholm, Kotkantie 35 A, FI-04320 Tuusula, Finland

A. Lehikoinen, The Helsinki Lab of Ornithology (HELLO), Finnish Museum of Natural History, P.O. Box 17, FI-00014 University of Helsinki, Finland

Supplementary Table 1. Numbers of bird territories at the Natura 2000 site divided into four subareas over the 10-y study period. Forest species marked with an asterisk were used in the comparison analyses of bird population changes between Labbacka and the other areas.

Species	Area	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Northern Goshawk	Mustavuori N	1	0	0	0	0	0	1	1	1	0
<i>(Accipiter gentilis)</i>	Mustavuori S	0	1	1	1	1	1	0	0	0	0
	<i>Total</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>
Eurasian Sparrowhawk	Labbacka	1	0	0	1	1	1	1	0	0	1
<i>(Accipiter nisus)</i>	Mustavuori N	0	1	0	0	0	0	0	0	0	0
	Mustavuori S	0	0	0	0	0	0	0	0	1	1
	<i>Total</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>2</i>
Long-tailed Tit	Mustavuori N	0	1	0	0	0	0	1	0	0	0
<i>(Aegithalos caedatus)</i>	<i>Total</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>
Eurasian Skylark	Mustavuori S	0	0	0	1	0	0	0	1	0	0
<i>(Alauda arvensis)</i>	<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>
Mallard	Mustavuori S	0	0	0	0	0	0	1	0	0	0
<i>(Anas platyrhynchos)</i>	<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>
Tree Pipit*	Kasavuori	4	6	6	3	4	4	3	4	7	6
<i>(Anthus trivialis)</i>	Labbacka	5	4	5	5	4	3	3	4	5	4
	Mustavuori N	8	8	4	8	6	5	8	4	7	7
	Mustavuori S	3	2	1	3	0	2	3	4	4	2
	<i>Total</i>	<i>20</i>	<i>20</i>	<i>16</i>	<i>19</i>	<i>14</i>	<i>14</i>	<i>17</i>	<i>16</i>	<i>23</i>	<i>19</i>
Long-eared Owl	Mustavuori N	0	0	1	0	0	0	0	0	0	0
<i>(Asio otus)</i>	<i>Total</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

Hazel Grouse*	Kasavuori	0	0	0	1	1	1	1	0	0	1
<i>(Tetrastes bonasia)</i>	Labbacka	3	2	2	2	3	1	1	4	2	3
	Mustavuori N	1	2	1	1	2	1	2	0	2	2
	Mustavuori S	1	1	1	2	1	1	1	1	0	0
	<i>Total</i>	5	5	4	6	7	4	5	5	4	6
European Nightjar	Kasavuori	0	0	0	0	0	0	0	1	0	0
<i>(Caprimulgus europaeus)</i>	Labbacka	0	0	0	0	0	0	0	1	0	0
	Mustavuori N	0	0	0	0	0	0	0	0	0	1
	<i>Total</i>	0	0	0	0	0	0	0	2	0	1
European Goldfinch	Kasavuori	0	0	0	0	0	0	2	0	1	0
<i>(Carduelis carduelis)</i>	<i>Total</i>	0	0	0	0	0	0	2	0	1	0
European Greenfinch	Kasavuori	1	1	2	2	2	4	2	2	2	2
<i>(Chloris chloris)</i>	Labbacka	2	1	1	0	0	0	0	0	0	0
	Mustavuori N	2	5	1	3	3	3	4	5	1	2
	Mustavuori S	0	1	5	3	3	3	2	4	0	1
	<i>Total</i>	5	8	9	8	8	10	8	11	3	5
Common Rosefinch	Labbacka	0	1	1	1	0	0	1	0	2	1
<i>(Erythrina erythrina)</i>	Mustavuori N	1	0	0	0	3	2	2	2	1	1
	Mustavuori S	0	1	0	1	1	2	0	0	0	0
	<i>Total</i>	1	2	1	2	4	4	3	2	3	2
Eurasian Siskin*	Kasavuori	6	2	5	7	1	1	1	5	9	1
<i>(Spinus spinus)</i>	Labbacka	7	4	2	2	1	1	1	3	3	3
	Mustavuori N	7	5	5	5	3	2	4	6	10	4

	Mustavuori S	5	2	5	5	2	2	3	4	7	3
	<i>Total</i>	<i>25</i>	<i>13</i>	<i>17</i>	<i>19</i>	<i>7</i>	<i>6</i>	<i>9</i>	<i>18</i>	<i>29</i>	<i>11</i>
Eurasian Treecreeper*	Kasavuori	0	0	0	1	1	0	2	4	0	0
<i>(Certhia familiaris)</i>	Labbacka	3	5	3	3	3	3	4	0	2	1
	Mustavuori N	2	2	2	2	2	3	5	3	2	1
	Mustavuori S	2	1	3	2	1	2	1	2	0	0
	<i>Total</i>	<i>7</i>	<i>8</i>	<i>8</i>	<i>8</i>	<i>7</i>	<i>8</i>	<i>12</i>	<i>9</i>	<i>4</i>	<i>2</i>
Hawfinch	Mustavuori N	0	1	0	1	0	1	1	0	1	0
<i>(Coccothraustes coccothraustes)</i>	<i>Total</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>
Wood Pigeon*	Kasavuori	0	2	3	4	3	1	1	2	2	1
<i>(Columba palumbus)</i>	Labbacka	3	3	5	2	3	1	3	2	3	2
	Mustavuori N	1	5	3	3	2	3	3	2	2	0
	Mustavuori S	0	1	4	3	1	2	2	1	3	2
	<i>Total</i>	<i>4</i>	<i>11</i>	<i>15</i>	<i>12</i>	<i>9</i>	<i>7</i>	<i>9</i>	<i>7</i>	<i>10</i>	<i>5</i>
Hooded Crow	Labbacka	1	0	1	0	0	0	0	0	0	0
<i>(Corvus cornix)</i>	Mustavuori N	0	0	0	0	0	0	1	0	0	0
	Mustavuori S	1	0	0	0	0	0	1	0	0	0
	<i>Total</i>	<i>2</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>0</i>	<i>0</i>	<i>0</i>
Common Cuckoo	Kasavuori	0	0	0	0	1	0	0	1	1	1
<i>(Cuculus canorus)</i>	Labbacka	1	0	1	0	1	0	1	0	0	1
	Mustavuori N	1	1	1	1	1	1	1	1	2	1
	<i>Total</i>	<i>2</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>3</i>	<i>1</i>	<i>2</i>	<i>2</i>	<i>3</i>	<i>3</i>
Great Spotted Woodpecker	Kasavuori	0	0	1	0	0	2	0	0	0	0

<i>(Denrocopos major)</i>	Labbacka	0	0	1	1	0	1	0	1	1	1
	Mustavuori N	2	2	1	1	2	3	3	1	3	1
	Mustavuori S	0	0	0	0	0	0	1	0	0	0
	<i>Total</i>	2	2	3	2	2	6	4	2	4	2
Lesser Spotted Woodpecker	Mustavuori N	0	0	0	0	0	0	2	0	2	1
<i>(Dendrocopos minor)</i>	Mustavuori S	0	0	0	0	1	1	0	1	0	0
	<i>Total</i>	0	0	0	0	1	1	2	1	2	1
Black Woodpecker	Kasavuori	1	0	0	0	0	0	0	0	0	0
<i>(Dryocopus martius)</i>	Labbacka	0	1	1	1	0	0	0	1	0	0
	<i>Total</i>	1	1	1	1	0	0	0	1	0	0
Yellowhammer	Kasavuori	1	0	1	1	0	3	2	1	1	2
<i>(Emberiza citrinella)</i>	Labbacka	2	3	1	3	1	1	1	2	1	1
	Mustavuori N	2	7	2	2	0	0	2	4	2	2
	Mustavuori S	1	3	3	4	0	2	2	1	1	1
	<i>Total</i>	6	13	7	10	1	6	7	8	5	6
Reed Bunting	Mustavuori S	0	0	0	0	1	1	0	0	0	0
<i>(Emberiza schoeniclus)</i>	<i>Total</i>	0	0	0	0	1	1	0	0	0	0
European Robin*	Kasavuori	4	7	4	6	8	8	5	4	5	5
<i>(Erithacus rubecula)</i>	Labbacka	9	12	15	16	11	14	17	10	12	17
	Mustavuori N	12	14	12	17	17	20	21	18	17	18
	Mustavuori S	4	12	10	7	8	7	8	9	5	12
	<i>Total</i>	29	45	41	46	44	49	51	41	39	52
Pied Flycatcher*	Kasavuori	4	3	2	2	2	3	3	2	4	4

<i>(Ficedula hypoleuca)</i>	Labbacka	1	0	1	2	2	2	2	4	5	1
	Mustavuori N	5	7	5	4	6	6	6	4	7	8
	Mustavuori S	0	0	0	2	0	0	1	1	1	2
	<i>Total</i>	<i>10</i>	<i>10</i>	<i>8</i>	<i>10</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>11</i>	<i>17</i>	<i>15</i>
Red-breasted Flycatcher	Labbacka	0	0	0	0	0	0	0	0	1	0
<i>(Ficedula parva)</i>	Mustavuori N	1	2	0	0	0	1	2	2	3	1
	Mustavuori S	0	0	0	0	0	1	1	1	0	1
	<i>Total</i>	<i>1</i>	<i>2</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>3</i>	<i>3</i>	<i>4</i>	<i>2</i>
Chaffinch*	Kasavuori	17	21	17	18	15	19	19	14	16	19
<i>(Fringilla coelebs)</i>	Labbacka	30	33	23	24	25	24	18	24	24	27
	Mustavuori N	48	58	42	47	37	47	50	51	52	62
	Mustavuori S	26	26	28	22	24	33	28	23	22	24
	<i>Total</i>	<i>121</i>	<i>138</i>	<i>110</i>	<i>111</i>	<i>101</i>	<i>123</i>	<i>115</i>	<i>112</i>	<i>114</i>	<i>132</i>
Common Snipe	Mustavuori S	0	1	0	0	1	1	2	1	0	1
<i>(Gallinago gallinago)</i>	<i>Total</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>0</i>	<i>1</i>
Eurasian Jay	Kasavuori	0	0	0	1	0	0	0	0	0	1
<i>(Garrulus glandarius)</i>	Labbacka	0	1	1	0	1	1	0	1	0	0
	Mustavuori N	0	1	1	0	1	1	1	2	0	1
	Mustavuori S	1	0	0	0	1	1	0	0	1	0
	<i>Total</i>	<i>1</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>3</i>	<i>3</i>	<i>1</i>	<i>3</i>	<i>1</i>	<i>2</i>
Icterine Warbler	Mustavuori N	1	0	0	0	0	1	0	0	0	0
<i>(Hippolais icterina)</i>	Mustavuori S	0	0	0	0	0	0	0	1	0	0
	<i>Total</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>

Barn Swallow	Kasavuori	1	0	1	0	0	0	0	0	0	0
<i>(Hirundo rustica)</i>	<i>Total</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Northern Wryneck	Kasavuori	0	0	0	1	0	0	0	0	0	0
<i>(Jynx torquilla)</i>	<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Red-backed Shrike	Mustavuori S	0	0	1	0	0	0	0	0	0	0
<i>(Lanius collurio)</i>	<i>Total</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Red Crossbill	Mustavuori N	0	0	0	1	0	0	0	0	0	0
<i>(Loxia curvirostra)</i>	Mustavuori S	0	0	0	2	0	0	0	0	0	0
	<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Thrush Nightingale	Mustavuori N	0	1	1	1	2	2	1	0	1	0
<i>(Luscinia luscinia)</i>	Mustavuori S	0	0	0	0	0	0	0	0	2	0
	<i>Total</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>0</i>	<i>3</i>	<i>0</i>
White Wagtail	Kasavuori	0	0	0	0	1	0	1	0	0	0
<i>(Motacilla alba)</i>	Labbacka	0	0	0	0	1	0	0	0	0	0
	<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>
Spotted Flycatcher*	Kasavuori	0	1	0	1	0	1	0	3	2	1
<i>(Muscicapa striata)</i>	Labbacka	1	3	1	2	0	1	3	4	2	4
	Mustavuori N	3	5	3	2	2	4	3	4	3	1
	Mustavuori S	2	1	0	1	0	0	1	2	2	0
	<i>Total</i>	<i>6</i>	<i>10</i>	<i>4</i>	<i>6</i>	<i>2</i>	<i>6</i>	<i>7</i>	<i>13</i>	<i>9</i>	<i>6</i>
Coal Tit*	Kasavuori	1	2	0	2	2	2	1	1	0	0
<i>(Periparus ater)</i>	Labbacka	3	2	1	2	1	1	2	1	0	1
	Mustavuori N	3	5	3	2	3	2	4	5	2	1

	Mustavuori S	1	0	1	2	3	2	1	1	0	0
	<i>Total</i>	8	9	5	8	9	7	8	8	2	2
Blue Tit*	Kasavuori	0	1	2	1	1	4	2	2	1	2
<i>(Cyanistes caeruleus)</i>	Labbacka	2	3	3	1	4	3	6	5	6	3
	Mustavuori N	5	10	6	11	8	5	5	7	6	8
	Mustavuori S	4	4	5	3	2	2	3	3	2	3
	<i>Total</i>	11	18	16	16	15	14	16	17	15	16
Crested Tit*	Kasavuori	1	0	1	0	1	1	1	0	0	0
<i>(Lophophanes cristatus)</i>	Labbacka	1	1	2	2	1	1	1	1	1	1
	Mustavuori N	0	1	0	0	1	0	1	0	0	0
	Mustavuori S	1	1	1	1	1	1	0	1	1	0
	<i>Total</i>	3	3	4	3	4	3	3	2	2	1
Great Tit*	Kasavuori	8	10	6	8	7	8	6	7	7	6
<i>(Parus major)</i>	Labbacka	8	11	10	7	8	11	12	17	9	9
	Mustavuori N	15	21	11	14	13	16	15	16	12	10
	Mustavuori S	10	8	11	7	8	10	9	8	6	5
	<i>Total</i>	41	50	38	36	36	45	42	48	34	30
Willow Tit*	Kasavuori	1	0	0	0	1	0	1	0	0	0
<i>(Poecile montanus)</i>	Labbacka	2	1	1	2	3	1	1	1	1	0
	Mustavuori N	1	0	1	1	3	1	1	1	2	1
	Mustavuori S	0	1	2	1	0	1	2	1	0	0
	<i>Total</i>	4	2	4	4	7	3	5	3	3	1
Common Chiffchaff	Kasavuori	0	0	0	0	0	1	0	0	0	0

<i>(Phylloscopus collybita)</i>	Mustavuori N	0	0	1	1	0	1	0	0	0	1
	Mustavuori S	0	0	0	0	0	2	1	0	2	0
	<i>Total</i>	0	0	1	1	0	4	1	0	2	1
Greenish Warbler	Kasavuori	0	0	0	0	0	0	1	0	0	0
<i>(Seicercus trochiloides)</i>	Labbacka	0	1	0	0	0	0	0	0	1	0
	Mustavuori N	1	0	0	2	1	0	1	0	3	0
	<i>Total</i>	1	1	0	2	1	0	2	0	4	0
Willow Warbler*	Kasavuori	3	6	7	5	7	5	4	3	2	0
<i>(Phylloscopus trochilus)</i>	Labbacka	6	6	6	8	8	6	3	4	7	3
	Mustavuori N	10	14	11	14	21	17	12	10	10	6
	Mustavuori S	11	13	16	5	12	7	5	5	3	3
	<i>Total</i>	30	39	40	32	48	35	24	22	22	12
Wood Warbler*	Kasavuori	0	0	1	0	0	0	2	1	0	1
<i>(Rhadina sibilatrix)</i>	Labbacka	0	1	0	0	2	1	3	1	2	0
	Mustavuori N	7	12	7	6	8	9	12	14	11	13
	Mustavuori S	3	4	4	3	4	3	7	5	4	4
	<i>Total</i>	10	17	12	9	14	13	24	21	17	18
Three-toed Woodpecker	Labbacka	0	0	2	0	0	0	0	0	0	0
<i>(Picoides tridactylus)</i>	<i>Total</i>	0	0	2	0	0	0	0	0	0	0
Dunnock*	Kasavuori	0	0	2	1	1	1	0	0	1	3
<i>(Prunella modularis)</i>	Labbacka	1	1	2	2	2	0	1	1	2	2
	Mustavuori N	4	1	6	7	4	3	5	3	3	8
	Mustavuori S	5	1	3	6	3	3	3	2	0	3

	<i>Total</i>	<i>10</i>	<i>3</i>	<i>13</i>	<i>16</i>	<i>10</i>	<i>7</i>	<i>9</i>	<i>6</i>	<i>6</i>	<i>16</i>
Eurasian Bullfinch	Kasavuori	0	0	1	0	0	0	0	0	0	0
<i>(Pyrrhula pyrrhula)</i>	Labbacka	0	0	0	0	0	0	0	0	1	0
	Mustavuori N	0	0	0	1	0	0	1	2	2	1
	Mustavuori S	1	1	0	2	0	0	1	1	0	1
	<i>Total</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>3</i>	<i>3</i>	<i>2</i>
Goldcrest*	Kasavuori	3	4	2	3	2	1	3	4	1	0
<i>Regulus regulus</i>	Labbacka	1	11	8	5	5	7	8	5	5	5
	Mustavuori N	11	6	5	4	3	6	7	3	2	2
	Mustavuori S	4	4	5	5	1	3	5	4	1	1
	<i>Total</i>	<i>19</i>	<i>25</i>	<i>20</i>	<i>17</i>	<i>11</i>	<i>17</i>	<i>23</i>	<i>16</i>	<i>9</i>	<i>8</i>
Eurasian Woodcock	Kasavuori	0	1	0	0	0	0	0	0	0	0
<i>(Scolopax rusticola)</i>	Labbacka	0	1	1	0	0	1	0	1	0	0
	Mustavuori N	0	1	1	0	0	1	1	0	1	0
	Mustavuori S	0	0	0	0	0	0	0	1	0	0
	<i>Total</i>	<i>0</i>	<i>3</i>	<i>2</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>0</i>
Tawny Owl	Labbacka	0	0	0	0	0	1	0	0	0	0
<i>(Strix aluco)</i>	Mustavuori N	1	1	0	0	0	0	0	0	1	0
	<i>Total</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>
Blackcap	Kasavuori	0	0	0	0	0	0	0	0	2	0
<i>(Sylvia atricapilla)</i>	Labbacka	0	0	0	0	0	0	0	0	0	1
	Mustavuori N	6	4	6	5	7	5	8	10	6	5
	Mustavuori S	1	0	0	2	1	1	1	2	2	1

	<i>Total</i>	7	4	6	7	8	6	9	12	10	7
Garden Warbler	Kasavuori	0	1	0	0	0	2	1	0	0	0
<i>(Sylvia borin)</i>	Labbacka	0	1	0	2	0	1	0	2	1	0
	Mustavuori N	3	2	3	2	4	7	6	6	6	4
	Mustavuori S	0	3	1	1	2	2	2	1	2	3
	<i>Total</i>	3	7	4	5	6	12	9	9	9	7
Common Whitethroat	Kasavuori	0	0	1	0	1	1	2	0	0	0
<i>(Curruca communis)</i>	Labbacka	1	0	0	0	0	1	1	0	1	0
	Mustavuori N	1	2	0	0	0	1	0	0	0	0
	Mustavuori S	1	3	2	0	1	2	3	2	2	4
	<i>Total</i>	3	5	3	0	2	5	6	2	3	4
Lesser Whitethroat	Kasavuori	2	0	1	0	1	1	0	1	0	3
<i>(Curruca curruca)</i>	Labbacka	1	3	0	0	1	0	1	1	1	1
	Mustavuori N	1	0	0	0	0	1	0	0	0	0
	Mustavuori S	1	0	0	1	0	1	0	0	0	1
	<i>Total</i>	5	3	1	1	2	3	1	2	1	5
Eurasian Black Grouse	Kasavuori	0	0	0	0	1	0	0	0	0	0
<i>(Lyrurus tetrix)</i>	Labbacka	0	1	0	0	0	0	0	0	0	0
	<i>Total</i>	0	1	0	0	1	0	0	0	0	0
Green Sandpiper	Kasavuori	0	0	0	0	1	0	1	1	0	0
<i>(Tringa ochropus)</i>	Labbacka	1	0	0	0	0	0	0	0	0	1
	Mustavuori N	0	0	0	0	0	0	1	0	2	1
	Mustavuori S	0	0	0	0	1	1	0	1	0	1

	<i>Total</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>1</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>3</i>
Winter Wren	Kasavuori	1	0	0	0	1	0	0	0	0	0
<i>(Troglodytes troglodytes)</i>	Mustavuori N	3	2	2	2	1	0	3	4	5	2
	Mustavuori S	3	2	0	0	1	1	1	1	1	0
	<i>Total</i>	<i>7</i>	<i>4</i>	<i>2</i>	<i>2</i>	<i>3</i>	<i>1</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>2</i>
Redwing	Kasavuori	0	0	0	1	0	0	0	0	0	0
<i>(Turdus iliacus)</i>	Labbacka	0	1	1	1	0	1	1	2	1	0
	Mustavuori N	9	12	11	10	8	11	14	11	9	3
	Mustavuori S	1	1	2	2	1	2	4	4	6	1
	<i>Total</i>	<i>10</i>	<i>14</i>	<i>14</i>	<i>14</i>	<i>9</i>	<i>14</i>	<i>19</i>	<i>17</i>	<i>16</i>	<i>4</i>
Eurasian Blackbird*	Kasavuori	6	7	6	7	5	7	8	7	7	5
<i>(Turdus merula)</i>	Labbacka	5	8	8	10	10	9	11	10	8	6
	Mustavuori N	14	19	9	15	16	14	13	14	12	11
	Mustavuori S	8	12	10	10	12	11	10	16	12	9
	<i>Total</i>	<i>33</i>	<i>46</i>	<i>33</i>	<i>42</i>	<i>43</i>	<i>41</i>	<i>42</i>	<i>47</i>	<i>39</i>	<i>31</i>
Song Thrush*	Kasavuori	3	2	2	4	2	1	3	2	4	3
<i>(Turdus philomelos)</i>	Labbacka	6	6	5	6	7	6	3	5	5	4
	Mustavuori N	5	6	8	9	8	11	16	15	9	14
	Mustavuori S	1	2	2	4	4	6	7	6	4	5
	<i>Total</i>	<i>15</i>	<i>16</i>	<i>17</i>	<i>23</i>	<i>21</i>	<i>24</i>	<i>29</i>	<i>28</i>	<i>22</i>	<i>26</i>
Fieldfare	Kasavuori	0	1	0	0	0	0	0	0	1	0
<i>(Turdus pilaris)</i>	Labbacka	1	0	0	0	0	1	0	0	0	0
	Mustavuori N	2	3	1	0	0	2	0	1	2	0

	Total	3	4	1	0	0	3	0	1	3	0
Mistle Thrush	Labbacka	0	0	0	0	0	0	0	0	0	2
<i>(Turdus viscivorus)</i>	<i>Total</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>

Supplementary Table 2. Small-sample-size-corrected Akaike information criterion AICc differences (ΔAICc) and AIC weights (w) of models with different error distributions that explain population changes in the Vuosaari study area and in southern Finland in 23 bird species.

Model	ΔAICc	w
Zero-inflated negative binomial	0	1
Negative binomial	15.8	0
Zero-inflated Poisson	12007.4	0
Poisson	14946.0	0
