

Breeding success of raptors in Scotland in 2016

N.B. Data in the following tables present the data submitted to the SRMS in 2016. It is important to recognise that, for the majority of species, not all breeding pairs were monitored. Thus, the numbers in these tables do not represent entire populations or provide a complete picture of breeding productivity, at either regional or national scales. To explore trends through time we would recommend that you consult the national, regional or local trends available on the SRMS website.

In order to aid understanding of the data in the following tables descriptions of some of the main headings reported against are provided below:

Home ranges checked = this is the total number of home ranges that received a visit to check for occupancy. This figure excludes records where no young were produced but no indication was given as to whether the home range was occupied or not. The number of home ranges checked is therefore likely to be a minimum figure.

Home ranges occupied by pairs = this is the total number of home ranges that were found to be occupied by a pair.

Home ranges occupied by single birds = this is the total number of home ranges that were found to be occupied by a single bird.

Further home ranges in use = this is typically the total number of additional home ranges to those occupied by pairs. This figure always includes single birds and for some species also fresh signs.

Pairs monitored = this is the total number of home ranges occupied by pairs monitored. This figure includes all nests that were reported to have reached the large chick stage.

Pairs failing early or non-breeding = this is the total number of territories occupied by pairs which produced no fledglings and where no eggs are known to have been laid. This figure excludes records where it was not reported whether eggs were laid (i.e. eggs laid was reported as outcome unknown). The number of pairs failing early or non-breeding is therefore likely to be a minimum.

Pairs known to lay eggs = this is the total number of monitored pairs laying eggs.

Pairs known to hatch eggs = this is the total number of monitored pairs hatching eggs. This figure is only from monitored home ranges and therefore excludes data for sites that were not reported to have reached the large chick stage.

Pairs known to fledge young = this is the total number of pairs producing at least one fledgling. This figure includes pairs with young last seen at large chick stage.

Minimum number of young fledged = this is the total number of young fledged regionally or nationally. This figure includes pairs with young last seen at large chick stage.

Productivity = this is based exclusively on observed numbers of fledged young. Breeding attempts that were assumed to be successful (because they reached large chick stage and were not recorded to fail) but where number of fledged young was not recorded, do not contribute to estimates of productivity. In a few instances (mostly in

regions where there were few monitored broods), this means that no data were available to derive estimates of productivity, despite there being one or more (assumed) successful breeding attempts. Productivity values for these situations are expressed as "0" (rather than as "-") or, for young fledged per successful pair, "0 (n=0)".

Raptor, owl and Raven nest site and home range data submitted under the Scottish Raptor Monitoring Scheme in 2016

Species	Argyll	Central Scotland	Dumfries & Galloway	Highland	Lewis & Harris	Lothian & Borders	North-east Scotland	Orkney	Shetland	South Strathclyde	Tayside	Uist	TOTAL
Osprey	33	48	15	81	-	15	32	-	-	3	83	-	310
Honey-buzzard	-	0	0	0	-	-	-	-	-	-	2	-	2
Golden Eagle	71	11	2	202	31	1	26	-	-	2	46	26	418
Sparrowhawk	10	46	12	2	0	12	3	29	0	10	24	5	153
Goshawk	0	4	35	12	-	50	5	-	-	18	15	-	139
Marsh Harrier	0	0	-	0	-	0	0	2	-	-	8	-	10
Hen Harrier	143	44	33	132	4	16	40	237	-	109	104	49	911
Red Kite	-	56	120	11	-	0	28	-	-	0	87	-	302
White-tailed Eagle	29	-	-	47	16	-	0	1	-	-	3	10	106
Buzzard	168	127	55	128	3	72	33	14	-	14	241	20	875
Barn Owl	98	156	303	24	-	72	24	-	-	63	16	-	756
Tawny Owl	61	113	58	43	-	19	2	-	-	4	14	-	314
Little Owl	-	-	-	-	-	2	-	-	-	-	-	-	2
Long-eared Owl	5	3	0	6	-	7	3	4	-	3	11	9	51
Short-eared Owl	7	6	1	1	-	0	0	125	0	0	30	12	182
Kestrel	23	38	22	13	0	27	0	48	-	27	37	13	248
Merlin	10	0	15	92	2	30	110	67	74	17	63	9	489
Hobby	-	-	0	1	-	0	-	-	-	-	8	-	9
Peregrine	40	38	115	20	3	138	99	35	11	78	103	4	684
Raven	92	78	94	23	7	62	1	34	38	60	105	38	632
TOTAL:	790	768	880	838	66	523	406	596	123	408	1000	195	6593

Raptor, owl and Raven breeding attempts monitored under the Scottish Raptor Monitoring Scheme in 2016

Species	Argyll	Central Scotland	Dumfries & Galloway	Highland	Lewis & Harris	Lothian & Borders	North-east Scotland	Orkney	Shetland	South Strathclyde	Tayside	Uist	TOTAL
Osprey	18	32	9	59	-	12	20	-	-	1	43	-	194
Honey-buzzard	-	0	0	0	-	-	-	-	-	-	0	-	0
Golden Eagle	57	11	1	135	25	1	15	-	-	1	23	16	285
Sparrowhawk	6	24	2	2	0	12	1	15	0	4	6	2	74
Goshawk	0	2	24	10	-	21	3	-	-	10	11	-	81
Marsh Harrier	0	0	-	0	-	0	0	0	-	-	6	-	6
Hen Harrier	78	4	9	36	4	9	8	122	-	28	26	20	344
Red Kite	-	28	105	8	-	0	26	-	-	0	48	-	215
White-tailed Eagle	29	-	-	41	13	-	0	1	-	-	3	5	92
Buzzard	53	84	34	77	3	55	22	8	-	14	123	14	487
Barn Owl	29	52	80	8	-	27	8	-	-	24	10	-	238
Tawny Owl	17	13	17	16	-	15	1	-	-	2	2	-	83
Little Owl	-	-	-	-	-	1	-	-	-	-	-	-	1
Long-eared Owl	0	1	0	6	-	6	1	2	-	2	2	2	22
Short-eared Owl	1	0	1	1	-	0	0	41	0	0	1	0	45
Kestrel	6	14	5	9	0	18	0	16	-	10	7	3	88
Merlin	3	0	5	27	0	15	38	6	28	7	22	2	153
Hobby	-	-	0	0	-	0	-	-	-	-	1	-	1
Peregrine	14	19	55	6	1	42	26	16	1	40	35	3	258
Raven	52	52	47	17	3	38	1	29	18	43	58	20	378
TOTAL:	363	336	394	458	49	272	170	256	47	186	427	87	3045

Breeding success of Osprey in Scotland in 2016

Region	Breeding sites checked	Breeding sites occupied by pairs	Breeding sites occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	33	19	3	18	2	15	11	10	20	2.0 (n=10)	1.3	1.1
- Argyll Mainland	31	17	3	16	2	13	9	8	16	2.0 (n=8)	1.2	1.0
- Bute	2	2	0	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
Central Scotland	48	32	2	32	3	28	25	22	48	2.2 (n=22)	1.7	1.5
- Arrochar & Helensburgh	2	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Dunbartonshire	4	3	1	3	0	3	2	2	2	1.0 (n=2)	0.7	0.7
- North Lanarkshire	1	1	0	1	0	1	1	0	0	-	-	-
- Stirling	41	27	1	27	3	23	21	19	44	2.3 (n=19)	1.9	1.6
Dumfries & Galloway	15	9	2	9	1	8	8	8	18	2.2 (n=8)	2.2	2.0
Highland	81	61	3	59	4	53	49	47	95	2.0 (n=46)	1.8	1.6
- Caithness	2	2	0	0	0	0	0	0	0	-	-	-
- Inverness-shire	17	14	1	14	0	14	12	12	28	2.3 (n=12)	2.0	2.0
- Lochaber	2	0	1	0	0	0	0	0	0	-	-	-
- Ross-shire	36	25	1	25	3	21	19	19	39	2.1 (n=19)	1.9	1.6
- Sutherland	24	20	0	20	1	18	18	16	28	1.7 (n=15)	1.5	1.4
Lothian & Borders	15	12	0	12	3	9	9	8	8	1.0 (n=8)	0.9	0.7
- Lothian	1	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Scottish Borders	14	11	0	11	3	8	8	7	7	1.0 (n=7)	0.9	0.6
North-east Scotland	32	20	2	20	0	19	15	14	27	1.9 (n=14)	1.4	1.4
- Aberdeenshire	32	20	2	20	0	19	15	14	27	1.9 (n=14)	1.4	1.4
South Strathclyde	3	1	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Ayrshire	2	1	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- South Lanarkshire	1	0	0	0	0	0	0	0	0	-	-	-

Breeding success of Osprey in Scotland in 2016 (continued)

Region	Breeding sites checked	Breeding sites occupied by pairs	Breeding sites occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Tayside	83	44	4	43	0	40	38	35	70	2.0 (n=35)	1.8	1.6
- Angus	16	11	2	11	0	10	9	9	20	2.2 (n=9)	2.0	1.8
- Perth & Kinross	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Unknown	66	32	2	31	0	29	28	25	48	1.9 (n=25)	1.7	1.5
TOTAL:	310	198	17	194	13	173	156	145	287	2.0 (n=144)	1.7	1.5

Breeding success of Honey-buzzard in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Additional home ranges with single birds	Pair occupied home ranges monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Tayside	2	0	0	0	0	0	0	0	0	-	-	-
- Angus	2	0	0	0	0	0	0	0	0	-	-	-
TOTAL:	2	0	0	0	0	0	0	0	0	-	-	-

Breeding success of Golden Eagle in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Of which immature pairs ¹	Further home ranges in use (single birds or fresh signs)	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	71	62	1	2	57	10	40	29	28	28	1.0 (n=27)	0.7	0.5
- Argyll Islands	37	33	1	0	30	7	20	13	13	13	1.0 (n=13)	0.7	0.4
- Argyll Mainland	34	29	0	2	27	3	20	16	15	15	0.9 (n=14)	0.7	0.5
Central Scotland	11	11	0	0	11	1	8	6	5	5	1.0 (n=5)	0.6	0.5
- Arrochar & Helensburgh	3	3	0	0	3	0	1	1	0	0	-	-	-
- Stirling	8	8	0	0	8	1	7	5	5	5	1.0 (n=5)	0.7	0.6
Highland	202	166	9	22	135	36	87	56	48	55	1.1 (n=47)	0.6	0.4
- Badenoch & Strathspey	15	14	3	1	10	2	7	7	7	11	1.6 (n=7)	1.6	1.1
- Caithness	1	1	0	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Inverness-shire	25	16	1	6	10	5	5	4	4	5	1.2 (n=4)	1.0	0.5
- Isle of Skye	31	30	1	1	30	8	21	14	12	12	1.0 (n=12)	0.6	0.4
- Lochaber	45	39	2	3	28	6	19	10	6	7	1.2 (n=6)	0.4	0.2
- Nairn	1	1	1	0	1	1	0	0	0	0	-	-	-
- Ross-shire	43	33	1	6	25	1	18	10	8	8	1.0 (n=8)	0.4	0.3
- Small Isles	8	8	0	0	7	1	6	5	5	5	1.0 (n=5)	0.8	0.7
- Sutherland	33	24	0	5	23	12	10	5	5	6	1.0 (n=4)	0.5	0.2
Lewis & Harris	31	30	3	1	25	7	15	10	10	12	1.2 (n=10)	0.8	0.5
- Harris	5	5	0	0	4	0	3	1	1	1	1.0 (n=1)	0.3	0.2
- Lewis	26	25	3	1	21	7	12	9	9	11	1.2 (n=9)	0.9	0.5
Lothian & Borders	1	1	0	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Scottish Borders	1	1	0	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0

¹These immature pairs are included in the column 'Home ranges occupied by pairs'. Pairs consisting of either one or two birds with immature plumage are treated as immature pairs.

Breeding success of Golden Eagle in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Of which immature pairs ¹	Further home ranges in use (single birds or fresh signs)	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
North-east Scotland	26	18	1	2	15	3	11	10	10	13	1.3 (n=10)	1.2	0.9
- Aberdeenshire	23	15	1	2	13	2	10	9	9	12	1.3 (n=9)	1.2	0.9
- East Moray	3	3	0	0	2	1	1	1	1	1	1.0 (n=1)	1.0	0.5
South-west Scotland	4	2	0	1	2	0	1	1	1	1	1.0 (n=1)	1.0	0.5
Tayside	46	24	1	10	23	1	18	16	14	18	1.3 (n=14)	1.0	0.8
- Angus	12	5	0	2	5	0	3	3	3	4	1.3 (n=3)	1.3	0.8
- Perth & Kinross	34	19	1	8	18	1	15	13	11	14	1.3 (n=11)	0.9	0.8
Uist	26	26	1	0	16	6	7	6	4	4	1.0 (n=4)	0.6	0.2
- Barra	3	3	0	0	2	1	1	1	1	1	1.0 (n=1)	1.0	0.5
- Benbecula	2	2	0	0	2	2	0	0	0	0	-	-	-
- North Uist	10	10	0	0	6	3	3	2	1	1	1.0 (n=1)	0.3	0.2
- South Uist	11	11	1	0	6	0	3	3	2	2	1.0 (n=2)	0.7	0.3
TOTAL:	418	340	16	38	285	64	188	135	121	137	1.1 (n=119)	0.7	0.5

¹These immature pairs are included in the column 'Home ranges occupied by pairs'. Pairs consisting of either one or two birds with immature plumage are treated as immature pairs.

Breeding success of Sparrowhawk in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	10	6	6	0	6	6	6	12	2.0 (n=6)	2.0	2.0
- Argyll Islands	5	2	2	0	2	2	2	2	1.0 (n=2)	1.0	1.0
- Argyll Mainland	5	4	4	0	4	4	4	10	2.5 (n=4)	2.5	2.5
Central Scotland	46	26	24	0	24	23	23	65	2.8 (n=23)	2.7	2.7
- Clackmannanshire	1	1	0	0	0	0	0	0	-	-	-
- Dunbartonshire	1	0	0	0	0	0	0	0	-	-	-
- Falkirk	1	1	1	0	1	1	1	4	4.0 (n=1)	4.0	4.0
- North Lanarkshire	15	9	9	0	9	8	8	20	2.5 (n=8)	2.2	2.2
- Stirling	28	15	14	0	14	14	14	41	2.9 (n=14)	2.9	2.9
Dumfries & Galloway	12	3	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
Highland	2	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Small Isles	1	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Sutherland	1	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
Lothian & Borders	12	12	12	0	12	12	12	35	2.7 (n=9)	2.7	2.7
- Lothian	11	11	11	0	11	11	11	32	2.6 (n=8)	2.6	2.6
- Scottish Borders	1	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
North-east Scotland	3	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Aberdeenshire	3	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
Orkney	29	15	15	7	8	8	7	17	2.4 (n=7)	2.1	1.1
- Hoy	11	4	4	1	3	3	2	6	3.0 (n=2)	2.0	1.5
- Mainland	15	9	9	5	4	4	4	9	2.2 (n=4)	2.2	1.0
- Rousay	1	1	1	1	0	0	0	0	-	-	-
- South Ronaldsay	2	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
South Strathclyde	10	4	4	0	4	4	4	7	1.8 (n=4)	1.8	1.8
- Arran & Cumbrae	10	4	4	0	4	4	4	7	1.8 (n=4)	1.8	1.8

Breeding success of Sparrowhawk in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Tayside	24	10	6	0	6	6	6	13	2.2 (n=6)	2.2	2.2
- Angus	20	8	5	0	5	5	5	12	2.4 (n=5)	2.4	2.4
- Perth & Kinross	4	2	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Uist	5	4	2	0	2	2	2	3	1.5 (n=2)	1.5	1.5
- Barra	1	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- North Uist	3	3	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- South Uist	1	0	0	0	0	0	0	0	-	-	-
TOTAL:	153	83	74	7	67	66	65	166	2.6 (n=62)	2.6	2.3

Breeding success of Goshawk in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Further home ranges in use (single birds or fresh signs)	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Central Scotland	4	2	0	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Stirling	4	2	0	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
Dumfries & Galloway	35	30	1	24	2	19	13	13	22	1.6 (n=12)	1.1	0.9
Highland	12	10	2	10	0	8	7	7	19	2.7 (n=7)	2.4	1.9
- Badenoch & Strathspey	6	5	1	5	0	5	5	5	13	2.6 (n=5)	2.6	2.6
- Inverness-shire	3	3	0	3	0	1	0	0	0	-	-	-
- Nairn	1	1	0	1	0	1	1	1	4	4.0 (n=1)	4.0	4.0
- West Moray	2	1	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
Lothian & Borders	50	29	9	21	0	21	21	21	37	1.7 (n=20)	1.7	1.7
- Lothian	3	2	1	2	0	2	2	2	3	1.5 (n=2)	1.5	1.5
- Scottish Borders	47	27	8	19	0	19	19	19	34	1.7 (n=18)	1.7	1.7
North-east Scotland	5	4	0	3	0	3	2	2	3	1.5 (n=2)	1.0	1.0
- Aberdeenshire	3	2	0	2	0	2	1	1	1	1.0 (n=1)	0.5	0.5
- East Moray	2	2	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
South Strathclyde	18	11	6	10	1	8	6	6	12	2.0 (n=6)	1.5	1.2
- Ayrshire	13	7	5	6	1	4	3	3	5	1.7 (n=3)	1.2	0.8
- South Lanarkshire	5	4	1	4	0	4	3	3	7	2.3 (n=3)	1.8	1.8
Tayside	15	13	0	11	2	9	9	9	16	1.8 (n=9)	1.8	1.5
- Angus	6	4	0	3	0	3	3	3	6	2.0 (n=3)	2.0	2.0
- Perth & Kinross	9	9	0	8	2	6	6	6	10	1.7 (n=6)	1.7	1.2
TOTAL:	139	99	18	81	5	70	60	60	115	1.9 (n=58)	1.7	1.4

Breeding success of Marsh Harrier in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Additional home ranges with single birds	Pair occupied home ranges monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Orkney	2	0	1	0	0	0	0	0	0	-	-	-
- Mainland	2	0	1	0	0	0	0	0	0	-	-	-
Tayside	8	8	0	6	0	6	6	6	15	2.5 (n=6)	2.5	2.5
- Angus	2	2	0	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- Fife	1	1	0	0	0	0	0	0	0	-	-	-
- Perth & Kinross	5	5	0	4	0	4	4	4	10	2.5 (n=4)	2.5	2.5
TOTAL:	10	8	1	6	0	6	6	6	15	2.5 (n=6)	2.5	2.5

Breeding success of Hen Harrier in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	143	101	12	78	0	68	52	46	120	2.7 (n=44)	1.8	1.6
- Argyll Islands	98	79	8	59	0	53	39	38	98	2.6 (n=37)	1.8	1.6
- Argyll Mainland	43	21	4	18	0	14	12	8	22	2.6 (n=7)	1.5	1.2
- Bute	2	1	0	1	0	1	1	0	0	-	-	-
Central Scotland	44	4	2	4	0	4	2	2	5	2.5 (n=2)	1.2	1.2
- Arrochar & Helensburgh	13	4	0	4	0	4	2	2	5	2.5 (n=2)	1.2	1.2
- Clackmannanshire	1	0	0	0	0	0	0	0	0	-	-	-
- Dunbartonshire	4	0	1	0	0	0	0	0	0	-	-	-
- North Lanarkshire	2	0	0	0	0	0	0	0	0	-	-	-
- Stirling	24	0	1	0	0	0	0	0	0	-	-	-
Dumfries & Galloway	33	9	2	9	2	7	7	7	28	4.0 (n=7)	4.0	3.1
Highland	132	59	11	36	2	27	16	11	24	2.2 (n=11)	0.9	0.7
- Badenoch & Strathspey	12	6	2	3	0	3	3	2	4	2.0 (n=2)	1.3	1.3
- Caithness	11	7	2	0	0	0	0	0	0	-	-	-
- Inverness-shire	15	7	1	6	0	4	1	1	2	2.0 (n=1)	0.5	0.3
- Isle of Skye	16	8	2	7	2	4	2	0	0	-	-	-
- Lochaber	12	5	0	3	0	1	0	0	0	-	-	-
- Nairn	2	0	0	0	0	0	0	0	0	-	-	-
- Ross-shire	17	3	1	3	0	2	2	1	5	5.0 (n=1)	2.5	1.7
- Small Isles	5	4	0	4	0	3	3	3	6	2.0 (n=3)	2.0	1.5
- Sutherland	26	13	3	5	0	5	3	2	4	2.0 (n=2)	0.8	0.8
- West Moray	16	6	0	5	0	5	2	2	3	1.5 (n=2)	0.6	0.6
Lewis & Harris	4	4	0	4	0	4	2	2	2	1.0 (n=2)	0.5	0.5
- Lewis	4	4	0	4	0	4	2	2	2	1.0 (n=2)	0.5	0.5

Breeding success of Hen Harrier in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Lothian & Borders	16	9	5	9	0	8	7	4	12	3.0 (n=4)	1.5	1.3
- Lothian	1	0	1	0	0	0	0	0	0	-	-	-
- Scottish Borders	15	9	4	9	0	8	7	4	12	3.0 (n=4)	1.5	1.3
North-east Scotland	40	9	5	8	4	4	3	2	6	3.0 (n=2)	1.5	0.8
- Aberdeenshire	34	4	4	4	3	1	1	1	4	4.0 (n=1)	4.0	1.0
- East Moray	6	5	1	4	1	3	2	1	2	2.0 (n=1)	0.7	0.5
Orkney	237	122	11	122	75	47	33	14	32	2.3 (n=14)	0.7	0.3
- Hoy	35	24	3	24	15	9	7	4	8	2.0 (n=4)	0.9	0.3
- Mainland	182	91	7	91	56	35	24	10	24	2.4 (n=10)	0.7	0.3
- Rousay	20	7	1	7	4	3	2	0	0	-	-	-
South Strathclyde	109	28	5	28	3	15	13	11	23	2.1 (n=11)	1.5	0.8
- Arran & Cumbrae	34	18	2	18	0	11	10	10	20	2.0 (n=10)	1.8	1.1
- Ayrshire	39	5	2	5	3	1	1	1	3	3.0 (n=1)	3.0	0.6
- Inverclyde	13	0	1	0	0	0	0	0	0	-	-	-
- Renfrewshire	9	0	0	0	0	0	0	0	0	-	-	-
- South Lanarkshire	13	5	0	5	0	3	2	0	0	-	-	-
- Unknown	1	0	0	0	0	0	0	0	0	-	-	-
Tayside	104	29	19	26	4	20	17	12	23	1.9 (n=12)	1.1	0.9
- Angus	22	0	3	0	0	0	0	0	0	-	-	-
- Fife	1	0	0	0	0	0	0	0	0	-	-	-
- Perth & Kinross	81	29	16	26	4	20	17	12	23	1.9 (n=12)	1.1	0.9

Breeding success of Hen Harrier in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Uist	49	37	6	20	0	19	18	17	45	2.8 (n=16)	2.5	2.3
- Benbecula	2	2	0	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- North Uist	22	16	3	5	0	5	4	3	9	3.0 (n=3)	1.8	1.8
- South Uist	25	19	3	13	0	12	12	12	30	2.4 (n=11)	2.4	2.2
TOTAL:	911	411	78	344	90	223	170	128	320	2.5 (n=125)	1.5	0.9

Breeding success of Red Kite in Scotland in 2016

Reintroduced populations	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Central Scotland	56	35	28	3	25	18	14	23	1.6 (n=14)	0.9	0.8
- Stirling	56	35	28	3	25	18	14	23	1.6 (n=14)	0.9	0.8
Dumfries & Galloway	120	108	105	0	105	88	85	120	1.4 (n=85)	1.1	1.1
Highland	11	10	8	0	8	7	7	15	2.1 (n=7)	1.9	1.9
- Inverness-shire	3	2	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Ross-shire	6	6	5	0	5	4	4	9	2.2 (n=4)	1.8	1.8
- Sutherland	2	2	2	0	2	2	2	3	1.5 (n=2)	1.5	1.5
North-east Scotland	28	27	26	2	24	20	19	45	2.4 (n=19)	1.9	1.7
- Aberdeenshire	28	27	26	2	24	20	19	45	2.4 (n=19)	1.9	1.7
Tayside	87	50	48	1	47	36	30	58	1.9 (n=29)	1.2	1.2
- Perth & Kinross	7	5	5	1	4	4	4	10	2.5 (n=4)	2.5	2.0
- Angus	80	45	43	0	43	32	26	48	1.8 (n=25)	1.1	1.1
TOTAL:	302	230	215	6	209	169	155	261	1.7 (n=154)	1.3	1.2

Breeding success of White-tailed Eagle in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	29	29	29	21	20	20	25	1.2 (n=20)	1.2	0.9
- Argyll Islands	25	25	25	19	18	18	23	1.3 (n=18)	1.2	0.9
- Argyll Mainland	4	4	4	2	2	2	2	1.0 (n=2)	1.0	0.5
Highland	47	46	41	27	27	23	31	1.3 (n=23)	1.1	0.8
- Badenoch & Strathspey	2	2	2	1	1	1	1	1.0 (n=1)	1.0	0.5
- Isle of Skye	22	21	17	10	10	8	9	1.1 (n=8)	0.9	0.5
- Lochaber	8	8	8	5	5	3	4	1.3 (n=3)	0.8	0.5
- Ross-shire	8	8	8	7	7	7	10	1.4 (n=7)	1.4	1.2
- Small Isles	4	4	4	2	2	2	4	2.0 (n=2)	2.0	1.0
- Sutherland	3	3	2	2	2	2	3	1.5 (n=2)	1.5	1.5
Lewis & Harris	16	16	13	11	6	4	5	1.2 (n=4)	0.5	0.4
- Harris	2	2	1	1	0	0	0	-	-	-
- Lewis	14	14	12	10	6	4	5	1.2 (n=4)	0.5	0.4
Orkney	1	1	1	1	0	0	0	-	-	-
- Hoy	1	1	1	1	0	0	0	-	-	-
Tayside	3	3	3	1	1	1	1	1.0 (n=1)	1.0	0.3
- Angus	1	1	1	0	0	0	0	-	-	-
- Fife	1	1	1	1	1	1	1	1.0 (n=1)	1.0	1.0
- Perth & Kinross	1	1	1	0	0	0	0	-	-	-
Uist	10	9	5	4	4	4	5	1.2 (n=4)	1.2	1.0
- Barra	1	1	0	0	0	0	0	-	-	-
- Benbecula	1	1	0	0	0	0	0	-	-	-
- North Uist	5	5	3	3	3	3	4	1.3 (n=3)	1.3	1.3
- South Uist	3	2	2	1	1	1	1	1.0 (n=1)	1.0	0.5
TOTAL:	106	104	92	65	58	52	67	1.3 (n=52)	1.0	0.7

Breeding success of Buzzard in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	168	81	10	53	0	48	45	43	70	1.6 (n=43)	1.5	1.3
- Argyll Islands	84	37	5	21	0	17	15	15	26	1.7 (n=15)	1.5	1.2
- Argyll Mainland	34	28	2	18	0	17	16	16	23	1.4 (n=16)	1.4	1.3
- Bute	50	16	3	14	0	14	14	12	21	1.8 (n=12)	1.5	1.5
Central Scotland	127	104	1	84	4	76	71	69	117	1.7 (n=69)	1.5	1.4
- Clackmannanshire	3	3	0	2	0	2	2	2	2	1.0 (n=2)	1.0	1.0
- Dunbartonshire	5	5	0	3	2	1	1	1	3	3.0 (n=1)	3.0	1.0
- Falkirk	8	7	0	7	1	6	6	6	14	2.3 (n=6)	2.3	2.0
- Glasgow	3	3	0	3	0	2	2	2	3	1.5 (n=2)	1.5	1.0
- North Lanarkshire	48	39	1	33	1	31	29	29	49	1.7 (n=29)	1.6	1.5
- Stirling	60	47	0	36	0	34	31	29	46	1.6 (n=29)	1.4	1.3
Dumfries & Galloway	55	40	0	34	0	31	31	31	51	1.6 (n=31)	1.6	1.5
Highland	128	94	2	77	5	69	59	55	84	1.5 (n=54)	1.2	1.1
- Badenoch & Strathspey	19	19	0	16	2	13	12	12	17	1.3 (n=11)	1.2	1.0
- Inverness-shire	6	5	0	2	0	2	2	1	2	2.0 (n=1)	1.0	1.0
- Isle of Skye	3	3	0	3	0	3	1	1	2	2.0 (n=1)	0.7	0.7
- Lochaber	3	3	0	3	0	3	3	3	4	1.3 (n=3)	1.3	1.3
- Ross-shire	80	49	0	40	3	37	30	27	45	1.7 (n=27)	1.2	1.1
- Small Isles	4	4	0	4	0	4	4	4	6	1.5 (n=4)	1.5	1.5
- Sutherland	7	5	2	4	0	4	4	4	4	1.0 (n=4)	1.0	1.0
- West Moray	6	6	0	5	0	3	3	3	4	1.3 (n=3)	1.3	0.8
Lewis & Harris	3	3	0	3	0	3	3	3	6	2.0 (n=3)	2.0	2.0
- Harris	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Lewis	2	2	0	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
Lothian & Borders	72	67	3	55	2	53	52	50	103	2.1 (n=50)	1.9	1.9
- Lothian	37	35	2	35	0	35	34	32	70	2.2 (n=32)	2.0	2.0
- Scottish Borders	35	32	1	20	2	18	18	18	33	1.8 (n=18)	1.8	1.6
North-east Scotland	33	23	0	22	0	22	16	16	18	1.1 (n=16)	0.8	0.8
- Aberdeenshire	33	23	0	22	0	22	16	16	18	1.1 (n=16)	0.8	0.8

Breeding success of Buzzard in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied by single birds	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Orkney	14	8	1	8	2	6	6	6	11	1.8 (n=6)	1.8	1.4
- Eday	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Hoy	5	1	1	1	1	0	0	0	0	-	-	-
- Mainland	7	6	0	6	1	5	5	5	9	1.8 (n=5)	1.8	1.5
- Rousay	1	0	0	0	0	0	0	0	0	-	-	-
South Strathclyde	14	14	0	14	0	13	12	11	15	1.4 (n=11)	1.2	1.1
- Arran & Cumbrae	7	7	0	7	0	6	6	5	6	1.2 (n=5)	1.0	0.9
- Ayrshire	3	3	0	3	0	3	3	3	4	1.3 (n=3)	1.3	1.3
- South Lanarkshire	4	4	0	4	0	4	3	3	5	1.7 (n=3)	1.2	1.2
Tayside	241	162	8	123	4	114	111	109	143	1.2 (n=102)	1.2	1.1
- Angus	109	99	2	74	1	73	71	69	83	1.1 (n=63)	1.1	1.0
- Fife	20	14	0	14	2	12	11	11	13	1.2 (n=11)	1.1	0.9
- Perth & Kinross	112	49	6	35	1	29	29	29	47	1.6 (n=28)	1.6	1.3
Uist	20	16	2	14	0	13	13	13	24	1.8 (n=13)	1.8	1.7
- Benbecula	3	3	0	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- North Uist	9	5	2	4	0	3	3	3	5	1.7 (n=3)	1.7	1.2
- South Uist	8	8	0	8	0	8	8	8	14	1.8 (n=8)	1.8	1.8
TOTAL:	875	612	27	487	17	448	419	406	642	1.6 (n=398)	1.4	1.3

Breeding success of Barn Owl in Scotland in 2016

Region	Nest sites checked	Nest sites occupied by pairs	Nest sites occupied by single birds	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	98	42	10	29	12	17	16	15	37	2.5 (n=15)	2.2	1.3
- Argyll Islands	9	5	0	4	0	4	3	3	4	1.3 (n=3)	1.0	1.0
- Argyll Mainland	86	36	10	24	12	12	12	12	33	2.8 (n=12)	2.8	1.4
- Bute	3	1	0	1	0	1	1	0	0	-	-	-
Central Scotland	156	60	5	52	1	51	47	45	102	2.3 (n=45)	2.0	2.0
- Arrochar & Helensburgh	6	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Clackmannanshire	10	7	0	7	0	7	7	7	19	2.7 (n=7)	2.7	2.7
- Dunbartonshire	6	6	0	3	0	3	2	2	5	2.5 (n=2)	1.7	1.7
- Falkirk	8	7	0	5	0	5	5	3	5	1.7 (n=3)	1.0	1.0
- Glasgow	2	0	1	0	0	0	0	0	0	-	-	-
- North Lanarkshire	13	10	1	9	0	9	9	9	15	1.7 (n=9)	1.7	1.7
- Stirling	111	29	3	27	1	26	23	23	55	2.4 (n=23)	2.1	2.0
Dumfries & Galloway	303	83	21	80	8	71	62	61	154	2.5 (n=60)	2.2	1.9
Highland	24	10	4	8	0	8	6	5	8	1.6 (n=5)	1.0	1.0
- Badenoch & Strathspey	1	0	1	0	0	0	0	0	0	-	-	-
- Caithness	2	1	0	0	0	0	0	0	0	-	-	-
- Lochaber	3	2	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Ross-shire	6	2	2	2	0	2	1	1	3	3.0 (n=1)	1.5	1.5
- Sutherland	12	5	1	5	0	5	4	3	4	1.3 (n=3)	0.8	0.8
Lothian & Borders	72	33	4	27	4	23	21	19	40	2.1 (n=19)	1.7	1.5
- Lothian	5	2	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Scottish Borders	67	31	4	26	4	22	20	18	39	2.2 (n=18)	1.8	1.5
North-east Scotland	24	11	5	8	0	8	8	8	26	3.2 (n=8)	3.2	3.2
- Aberdeenshire	24	11	5	8	0	8	8	8	26	3.2 (n=8)	3.2	3.2

Breeding success of Barn Owl in Scotland in 2016 (continued)

Region	Nest sites checked	Nest sites occupied by pairs	Nest sites occupied by single birds	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
South Strathclyde	63	26	9	24	0	24	24	24	74	3.1 (n=24)	3.1	3.1
- Ayrshire	59	25	9	23	0	23	23	23	69	3.0 (n=23)	3.0	3.0
- South Lanarkshire	4	1	0	1	0	1	1	1	5	5.0 (n=1)	5.0	5.0
Tayside	16	11	0	10	1	9	9	9	19	1.7 (n=5)	1.7	1.5
- Fife	2	1	0	1	0	1	1	1	1	0.0 (n=0)	0.0	0.0
- Perth & Kinross	14	10	0	9	1	8	8	8	18	1.9 (n=5)	1.9	1.7
TOTAL:	756	276	58	238	26	211	193	186	460	2.5 (n=181)	2.2	2.0

Breeding success of Tawny Owl in Scotland in 2016

Region	Nest sites checked	Nest sites occupied by pairs	Pairs monitored	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	61	17	17	17	17	17	27	1.6 (n=17)	1.6	1.6
- Argyll Islands	1	0	0	0	0	0	0	-	-	-
- Argyll Mainland	60	17	17	17	17	17	27	1.6 (n=17)	1.6	1.6
Central Scotland	113	15	13	11	9	9	15	1.7 (n=9)	1.4	1.2
- North Lanarkshire	11	7	5	5	3	3	6	2.0 (n=3)	1.2	1.2
- Stirling	102	8	8	6	6	6	9	1.5 (n=6)	1.5	1.1
Dumfries & Galloway	58	17	17	16	14	13	19	1.5 (n=13)	1.2	1.1
Highland	43	16	16	16	13	11	17	1.5 (n=11)	1.1	1.1
- Inverness-shire	2	2	2	2	1	1	1	1.0 (n=1)	0.5	0.5
- Ross-shire	38	14	14	14	12	10	16	1.6 (n=10)	1.1	1.1
- Sutherland	3	0	0	0	0	0	0	-	-	-
Lothian & Borders	19	15	15	15	10	10	16	1.6 (n=10)	1.1	1.1
- Lothian	9	6	6	6	2	2	2	1.0 (n=2)	0.3	0.3
- Scottish Borders	10	9	9	9	8	8	14	1.8 (n=8)	1.6	1.6
North-east Scotland	2	2	1	1	1	1	3	3.0 (n=1)	3.0	3.0
- Aberdeenshire	2	2	1	1	1	1	3	3.0 (n=1)	3.0	3.0
South Strathclyde	4	3	2	2	2	2	3	1.5 (n=2)	1.5	1.5
- Ayrshire	4	3	2	2	2	2	3	1.5 (n=2)	1.5	1.5
Tayside	14	4	2	2	1	1	2	2.0 (n=1)	1.0	1.0
- Perth & Kinross	14	4	2	2	1	1	2	2.0 (n=1)	1.0	1.0
TOTAL:	314	89	83	80	67	64	102	1.6 (n=64)	1.3	1.2

Breeding success of Little Owl in Scotland in 2016

Region	Nest sites checked	Nest sites occupied by pairs	Nest sites occupied by single birds	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Lothian & Borders	2	2	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Scottish Borders	2	2	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
TOTAL:	2	2	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0

Breeding success of Long-Eared Owl in Scotland in 2016

Region	Known territories checked for occupation	Pairs found	Pairs monitored	Pairs known to lay eggs	Pairs known to fledge young	Minimum number of fledged young	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	5	1	0	0	0	0	-	-	-
- Argyll Islands	5	1	0	0	0	0	-	-	-
Central Scotland	3	1	1	1	0	0	-	-	-
- Stirling	3	1	1	1	0	0	-	-	-
Highland	6	6	6	6	4	7	1.8 (n=4)	1.2	1.2
- Badenoch & Strathspey	2	2	2	2	0	0	-	-	-
- Small Isles	3	3	3	3	3	5	1.7 (n=3)	1.7	1.7
- West Moray	1	1	1	1	1	2	2.0 (n=1)	2.0	2.0
Lothian & Borders	7	6	6	6	6	12	1.8 (n=5)	1.8	1.8
- Lothian	4	4	4	4	4	8	1.8 (n=3)	1.8	1.8
- Scottish Borders	3	2	2	2	2	4	2.0 (n=2)	2.0	2.0
North-east Scotland	3	1	1	1	1	3	3.0 (n=1)	3.0	3.0
- Aberdeenshire	3	1	1	1	1	3	3.0 (n=1)	3.0	3.0
Orkney	4	2	2	1	1	1	1.0 (n=1)	1.0	0.5
- Hoy	1	1	1	1	1	1	1.0 (n=1)	1.0	1.0
- Mainland	3	1	1	0	0	0	-	-	-
South Strathclyde	3	2	2	2	2	3	1.5 (n=2)	1.5	1.5
- Ayrshire	2	2	2	2	2	3	1.5 (n=2)	1.5	1.5
- South Lanarkshire	1	0	0	0	0	0	-	-	-
Tayside	11	2	2	2	1	1	1.0 (n=1)	0.5	0.5
- Angus	3	1	1	1	0	0	-	-	-
- Fife	4	0	0	0	0	0	-	-	-
- Perth & Kinross	4	1	1	1	1	1	1.0 (n=1)	1.0	1.0

Breeding success of Long-Eared Owl in Scotland in 2016 (continued)

Region	Known territories checked for occupation	Pairs found	Pairs monitored	Pairs known to lay eggs	Pairs known to fledge young	Minimum number of fledged young	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Uist	9	5	2	2	2	4	2.0 (n=2)	2.0	2.0
- North Uist	8	4	1	1	1	1	1.0 (n=1)	1.0	1.0
- South Uist	1	1	1	1	1	3	3.0 (n=1)	3.0	3.0
TOTAL:	51	26	22	21	17	31	1.9 (n=16)	1.5	1.4

Breeding success of Short-eared Owl in Scotland in 2016

Region	Sites checked	Pairs found	Additional single birds recorded	Pairs monitored	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	7	4	1	1	0	0	0	0	-	-	-
- Argyll Islands	4	3	1	0	0	0	0	0	-	-	-
- Argyll Mainland	3	1	0	1	0	0	0	0	-	-	-
Central Scotland	6	0	0	0	0	0	0	0	-	-	-
- Stirling	6	0	0	0	0	0	0	0	-	-	-
Dumfries & Galloway	1	1	0	1	0	0	0	0	-	-	-
Highland	1	1	0	1	0	0	0	0	-	-	-
- Badenoch & Strathspey	1	1	0	1	0	0	0	0	-	-	-
Orkney	125	41	34	41	2	2	1	1	1.0 (n=1)	0.5	0.0
- Hoy	13	6	4	6	1	1	0	0	-	-	-
- Mainland	102	33	24	33	1	1	1	1	1.0 (n=1)	1.0	0.0
- Rousay	9	1	6	1	0	0	0	0	-	-	-
- Stronsay	1	1	0	1	0	0	0	0	-	-	-
Tayside	30	1	4	1	0	0	0	0	-	-	-
- Angus	8	0	0	0	0	0	0	0	-	-	-
- Perth & Kinross	22	1	4	1	0	0	0	0	-	-	-
Uist	12	9	3	0	0	0	0	0	-	-	-
- Benbecula	4	4	0	0	0	0	0	0	-	-	-
- North Uist	4	1	3	0	0	0	0	0	-	-	-
- South Uist	4	4	0	0	0	0	0	0	-	-	-
TOTAL:	182	57	42	45	2	2	1	1	1.0 (n=1)	0.5	0.0

Breeding success of Kestrel in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	23	9	6	2	4	3	3	7	2.3 (n=3)	1.8	1.2
- Argyll Islands	10	4	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
- Argyll Mainland	11	4	3	2	1	1	1	3	3.0 (n=1)	3.0	1.0
- Bute	2	1	1	0	1	0	0	0	-	-	-
Central Scotland	38	20	14	0	14	13	13	42	3.0 (n=10)	2.8	2.8
- Arrochar & Helensburgh	5	2	2	0	2	2	2	7	3.5 (n=2)	3.5	3.5
- Clackmannanshire	1	0	0	0	0	0	0	0	-	-	-
- Dunbartonshire	1	1	1	0	1	1	1	4	4.0 (n=1)	4.0	4.0
- Falkirk	1	0	0	0	0	0	0	0	-	-	-
- North Lanarkshire	20	13	9	0	9	8	8	29	3.5 (n=7)	3.1	3.1
- Stirling	10	4	2	0	2	2	2	2	0.0 (n=0)	0.0	0.0
Dumfries & Galloway	22	6	5	2	2	1	1	2	2.0 (n=1)	1.0	0.4
Highland	13	9	9	0	9	9	9	31	3.3 (n=8)	3.3	3.3
- Badenoch & Strathspey	3	3	3	0	3	3	3	9	2.7 (n=2)	2.7	2.7
- Inverness-shire	5	4	4	0	4	4	4	15	3.8 (n=4)	3.8	3.8
- Ross-shire	1	1	1	0	1	1	1	6	6.0 (n=1)	6.0	6.0
- Sutherland	3	0	0	0	0	0	0	0	-	-	-
- West Moray	1	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Lothian & Borders	27	19	18	0	17	16	12	40	3.3 (n=12)	2.4	2.2
- Lothian	19	14	14	0	13	13	9	32	3.6 (n=9)	2.5	2.3
- Scottish Borders	8	5	4	0	4	3	3	8	2.7 (n=3)	2.0	2.0

Breeding success of Kestrel in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Orkney	48	16	16	5	11	10	9	26	2.9 (n=9)	2.4	1.6
- Hoy	0	0	0	0	0	0	0	0	-	-	-
- Mainland	0	0	0	0	0	0	0	0	-	-	-
- Rousay	5	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
South Strathclyde	40	15	15	5	10	9	8	23	2.9 (n=8)	2.3	1.5
- Ayrshire	3	0	0	0	0	0	0	0	-	-	-
- Renfrewshire	27	12	10	0	10	10	10	31	3.1 (n=10)	3.1	3.1
Tayside	37	11	7	0	7	7	7	17	2.3 (n=6)	2.3	2.3
- Angus	22	4	4	0	4	4	4	9	2.2 (n=4)	2.2	2.2
- Perth & Kinross	15	7	3	0	3	3	3	8	2.3 (n=2)	2.3	2.3
Uist	13	10	3	1	2	2	2	5	2.5 (n=2)	2.5	1.7
- Benbecula	1	1	0	0	0	0	0	0	-	-	-
- North Uist	2	1	1	1	0	0	0	0	-	-	-
- South Uist	10	8	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
TOTAL:	248	112	88	10	76	71	66	201	3.2 (n=61)	2.8	2.4

Breeding success of Merlin in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied (pairs, singles or fresh signs)	Pairs monitored	Failed early on non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	10	4	3	3	0	2	1	1	2	2.0 (n=1)	1.0	0.7
- Argyll Islands	5	2	0	1	0	0	0	0	0	-	-	-
- Argyll Mainland	5	2	3	2	0	2	1	1	2	2.0 (n=1)	1.0	1.0
Dumfries & Galloway	15	6	3	5	0	5	5	5	16	3.2 (n=5)	3.2	3.2
Highland	92	35	25	27	1	25	20	19	58	2.9 (n=17)	2.2	2.1
- Badenoch & Strathspey	7	4	2	1	0	1	0	0	0	-	-	-
- Caithness	1	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Inverness-shire	9	5	0	4	0	4	4	4	17	4.2 (n=4)	4.2	4.2
- Lochaber	2	2	0	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Nairn	9	3	0	3	0	3	3	3	10	3.3 (n=3)	3.3	3.3
- Ross-shire	5	4	0	3	0	3	2	2	5	2.5 (n=2)	1.7	1.7
- Small Isles	5	2	2	2	0	2	2	1	4	4.0 (n=1)	2.0	2.0
- Sutherland	37	13	21	10	0	9	6	6	13	1.8 (n=4)	1.2	1.1
- West Moray	17	1	0	1	1	0	0	0	0	-	-	-
Lewis & Harris	2	1	1	0	0	0	0	0	0	-	-	-
- Lewis	2	1	1	0	0	0	0	0	0	-	-	-
Lothian & Borders	30	21	2	15	2	13	11	8	21	2.5 (n=7)	1.5	1.3
- Lothian	8	5	1	4	1	3	2	1	3	3.0 (n=1)	1.0	0.8
- Scottish Borders	22	16	1	11	1	10	9	7	18	2.4 (n=6)	1.7	1.5
North-east Scotland	110	39	5	38	2	35	24	21	62	3.0 (n=21)	1.8	1.6
- Aberdeenshire	86	31	3	30	0	30	21	19	58	3.1 (n=19)	1.9	1.9
- East Moray	24	8	2	8	2	5	3	2	4	2.0 (n=2)	0.8	0.5

Breeding success of Merlin in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Home ranges occupied (pairs, singles or fresh signs)	Pairs monitored	Failed early on non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Orkney	67	6	2	6	2	4	3	2	7	3.5 (n=2)	1.8	1.2
- Hoy	27	3	1	3	1	2	1	1	4	4.0 (n=1)	2.0	1.3
- Mainland	37	3	1	3	1	2	2	1	3	3.0 (n=1)	1.5	1.0
- Rousay	3	0	0	0	0	0	0	0	0	-	-	-
Shetland	74	28	4	28	0	27	24	23	76	3.3 (n=23)	2.8	2.7
- Bressay	1	0	1	0	0	0	0	0	0	-	-	-
- Fetlar	3	0	0	0	0	0	0	0	0	-	-	-
- Foula	1	0	0	0	0	0	0	0	0	-	-	-
- Mainland	51	20	3	20	0	20	18	17	57	3.4 (n=17)	2.9	2.9
- Muckle Roe	3	2	0	2	0	2	1	1	4	4.0 (n=1)	2.0	2.0
- Unst	5	0	0	0	0	0	0	0	0	-	-	-
- Yell	10	6	0	6	0	5	5	5	15	3.0 (n=5)	3.0	2.5
South Strathclyde	17	8	1	7	0	7	6	5	17	3.4 (n=5)	2.4	2.4
- Ayrshire	4	0	0	0	0	0	0	0	0	-	-	-
- South Lanarkshire	13	8	1	7	0	7	6	5	17	3.4 (n=5)	2.4	2.4
Tayside	63	30	11	22	1	19	17	15	37	2.5 (n=15)	1.9	1.7
- Angus	18	8	2	6	0	6	5	4	10	2.5 (n=4)	1.7	1.7
- Perth & Kinross	45	22	9	16	1	13	12	11	27	2.5 (n=11)	2.1	1.7
Uist	9	7	1	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- Barra	1	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Benbecula	1	1	0	0	0	0	0	0	0	-	-	-
- South Uist	7	5	1	1	0	1	1	1	4	4.0 (n=1)	4.0	4.0
TOTAL:	489	185	58	153	8	139	113	101	301	3.0 (n=98)	2.2	2.0

Breeding success of Hobby in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Additional home ranges with single birds	Pair occupied home ranges monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Highland	1	0	0	0	0	0	0	0	0	-	-	-
- Badenoch & Strathspey	1	0	0	0	0	0	0	0	0	-	-	-
Tayside	8	2	2	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Angus	6	2	2	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Perth & Kinross	0	0	0	0	0	0	0	0	0	-	-	-
TOTAL:	2	0	0	0	0	0	0	0	0	-	-	-

Breeding success of Peregrine in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Further home ranges in use (single birds or fresh signs)	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	40	16	3	14	1	12	9	9	16	1.8 (n=9)	1.3	1.1
- Argyll Islands	15	8	1	6	1	5	5	5	8	1.6 (n=5)	1.6	1.3
- Argyll Mainland	16	6	1	6	0	6	3	3	7	2.3 (n=3)	1.2	1.2
- Bute	9	2	1	2	0	1	1	1	1	1.0 (n=1)	1.0	0.5
Central Scotland	38	21	3	19	0	17	16	16	38	2.3 (n=15)	2.2	1.9
- Arrochar & Helensburgh	3	2	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Dunbartonshire	2	2	0	2	0	2	2	2	3	1.0 (n=1)	1.0	1.0
- Falkirk	3	3	0	3	0	2	2	2	4	2.0 (n=2)	2.0	1.3
- Glasgow	1	0	0	0	0	0	0	0	0	-	-	-
- North Lanarkshire	9	6	0	6	0	5	5	5	13	2.6 (n=5)	2.6	2.2
- Stirling	20	8	3	7	0	7	6	6	17	2.8 (n=6)	2.4	2.4
Dumfries & Galloway	115	57	8	55	2	49	41	41	83	2.0 (n=40)	1.7	1.5
Highland	20	11	3	6	0	3	2	2	5	2.5 (n=2)	1.7	0.8
- Badenoch & Strathspey	2	2	0	1	0	0	0	0	0	-	-	-
- Inverness-shire	2	1	0	1	0	1	1	1	4	4.0 (n=1)	4.0	4.0
- Lochaber	1	1	0	0	0	0	0	0	0	-	-	-
- Nairn	1	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Ross-shire	3	1	0	1	0	1	0	0	0	-	-	-
- Small Isles	3	1	1	1	0	0	0	0	0	-	-	-
- Sutherland	8	4	2	1	0	0	0	0	0	-	-	-
Lewis & Harris	3	3	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Lewis	3	3	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0

Breeding success of Peregrine in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Further home ranges in use (single birds or fresh signs)	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Lothian & Borders	138	45	7	42	9	33	25	25	69	2.7 (n=24)	2.1	1.6
- Lothian	36	14	1	14	3	11	9	9	29	3.2 (n=9)	2.6	2.1
- Scottish Borders	102	31	6	28	6	22	16	16	40	2.4 (n=15)	1.8	1.4
North-east Scotland	99	33	8	26	2	24	22	21	49	2.3 (n=21)	2.0	1.9
- Aberdeenshire	85	31	8	25	2	23	21	20	46	2.3 (n=20)	2.0	1.8
- East Moray	14	2	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
Orkney	35	16	3	16	4	12	11	10	18	1.8 (n=10)	1.5	1.1
- Copinsay	1	0	0	0	0	0	0	0	0	-	-	-
- Eday	2	1	0	1	1	0	0	0	0	-	-	-
- Hoy	14	6	1	6	1	5	5	4	8	2.0 (n=4)	1.6	1.3
- Mainland	10	5	0	5	1	4	4	4	7	1.8 (n=4)	1.8	1.4
- Rousay	2	1	0	1	1	0	0	0	0	-	-	-
- Shapinsay	1	1	0	1	0	1	0	0	0	-	-	-
- South Ronaldsay	3	2	1	2	0	2	2	2	3	1.5 (n=2)	1.5	1.5
- Stronsay	2	0	1	0	0	0	0	0	0	-	-	-
Shetland	11	1	1	1	0	1	0	0	0	-	-	-
- Bressay	1	0	0	0	0	0	0	0	0	-	-	-
- Fair Isle	3	0	1	0	0	0	0	0	0	-	-	-
- Mainland	5	1	0	1	0	1	0	0	0	-	-	-
- Unst	1	0	0	0	0	0	0	0	0	-	-	-
- Yell	1	0	0	0	0	0	0	0	0	-	-	-

Breeding success of Peregrine in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Further home ranges in use (single birds or fresh signs)	Pairs monitored	Pairs failing early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
South Strathclyde	78	43	2	40	3	32	28	28	61	2.2 (n=28)	1.9	1.5
- Arran & Cumbrae	7	4	0	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
- Ayrshire	49	28	2	27	2	21	18	18	40	2.2 (n=18)	1.9	1.5
- Inverclyde	1	0	0	0	0	0	0	0	0	-	-	-
- Renfrewshire	7	5	0	5	1	3	3	3	5	1.7 (n=3)	1.7	1.0
- South Lanarkshire	14	6	0	6	0	6	5	5	12	2.4 (n=5)	2.0	2.0
Tayside	103	43	12	35	3	27	24	23	57	2.5 (n=23)	2.1	1.6
- Angus	39	14	2	11	0	10	8	7	17	2.4 (n=7)	1.7	1.5
- Fife	22	14	1	13	0	11	10	10	29	2.9 (n=10)	2.6	2.2
- Perth & Kinross	42	15	9	11	3	6	6	6	11	1.8 (n=6)	1.8	1.0
Uist	4	4	0	3	0	2	2	2	4	2.0 (n=2)	2.0	1.3
- Benbecula	1	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- North Uist	1	1	0	0	0	0	0	0	0	-	-	-
- South Uist	2	2	0	2	0	1	1	1	1	1.0 (n=1)	1.0	0.5
TOTAL:	684	293	50	258	24	213	181	178	401	2.3 (n=175)	1.9	1.6

Breeding success of Raven in Scotland in 2016

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
Argyll	92	67	52	3	46	42	40	118	2.9 (n=39)	2.5	2.2
- Argyll Islands	38	25	17	0	15	15	13	45	3.5 (n=13)	3.0	2.6
- Argyll Mainland	29	28	21	2	19	15	15	38	2.5 (n=15)	2.0	1.8
- Bute	25	14	14	1	12	12	12	35	2.8 (n=11)	2.8	2.4
Central Scotland	78	60	52	5	44	37	37	85	2.3 (n=37)	1.9	1.6
- Arrochar & Helensburgh	14	7	7	0	7	7	7	10	1.4 (n=7)	1.4	1.4
- Clackmannanshire	2	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Dunbartonshire	2	2	0	0	0	0	0	0	-	-	-
- Falkirk	3	3	3	0	2	2	2	4	2.0 (n=2)	2.0	1.3
- North Lanarkshire	9	8	8	0	7	5	5	12	2.4 (n=5)	1.7	1.5
- Stirling	48	38	32	5	26	21	21	53	2.5 (n=21)	2.0	1.7
Dumfries & Galloway	94	81	47	1	45	43	42	101	2.3 (n=36)	2.1	2.0
Highland	23	21	17	0	16	16	16	54	3.3 (n=15)	3.3	3.1
- Badenoch & Strathspey	3	3	2	0	1	1	1	6	6.0 (n=1)	6.0	3.0
- Caithness	1	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Inverness-shire	2	2	2	0	2	2	2	7	3.5 (n=2)	3.5	3.5
- Ross-shire	4	4	2	0	2	2	2	4	1.5 (n=1)	1.5	1.5
- Small Isles	7	6	5	0	5	5	5	16	3.2 (n=5)	3.2	3.2
- Sutherland	6	5	5	0	5	5	5	18	3.6 (n=5)	3.6	3.6
Lewis & Harris	7	7	3	0	3	3	3	8	2.7 (n=3)	2.7	2.7
- Lewis	7	7	3	0	3	3	3	8	2.7 (n=3)	2.7	2.7
Lothian & Borders	62	47	38	2	36	35	33	105	3.2 (n=32)	2.9	2.7
- Lothian	15	12	12	0	12	12	12	42	3.5 (n=12)	3.5	3.5
- Scottish Borders	47	35	26	2	24	23	21	63	3.0 (n=20)	2.6	2.4

Breeding success of Raven in Scotland in 2016 (continued)

Region	Home ranges checked	Home ranges occupied by pairs	Pairs monitored	Failed early or non-breeding	Pairs known to lay eggs	Pairs known to hatch eggs	Pairs known to fledge young	Minimum number of young fledged	Productivity (Young fledged per successful pair)	Productivity (Young fledged per pair laying eggs)	Productivity (Young fledged per pair occupied home range monitored)
North-east Scotland	1	1	1	0	0	0	0	0	-	-	-
- Aberdeenshire	1	1	1	0	0	0	0	0	-	-	-
Orkney	34	29	29	8	21	21	21	68	3.2 (n=21)	3.2	2.3
Shetland	38	23	18	1	15	13	12	40	3.3 (n=12)	2.7	2.2
- Mainland	34	20	15	1	13	12	11	38	3.5 (n=11)	2.9	2.5
- Yell	4	3	3	0	2	1	1	2	2.0 (n=1)	1.0	0.7
South Strathclyde	60	46	43	5	35	33	33	84	2.5 (n=32)	2.4	1.9
- Ayrshire	60	46	43	5	35	33	33	84	2.5 (n=32)	2.4	1.9
Tayside	105	78	58	2	47	43	41	108	2.6 (n=39)	2.3	1.8
- Angus	33	20	10	0	6	6	6	17	2.7 (n=5)	2.7	1.6
- Fife	10	6	6	0	5	5	5	16	3.2 (n=5)	3.2	2.7
- Perth & Kinross	62	52	42	2	36	32	30	75	2.5 (n=29)	2.1	1.8
Uist	38	28	20	0	18	18	17	58	3.4 (n=17)	3.2	2.9
- Benbecula	5	4	4	0	4	4	3	9	3.0 (n=3)	2.2	2.2
- North Uist	19	12	7	0	6	6	6	18	3.0 (n=6)	3.0	2.6
- South Uist	14	12	9	0	8	8	8	31	3.9 (n=8)	3.9	3.4
TOTAL:	632	488	378	27	326	304	295	829	2.9 (n=283)	2.6	2.3