

Breeding success of raptors in Scotland in 2018

N.B. Data in the following tables present the data submitted to the SRMS in 2018. 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 2018.

Species	Argyll	Central Scotland	Dumfries & Galloway	Highland	Lewis & Harris	Lothian & Borders	North-east Scotland	Orkney	Shetland	South Strathclyde	Tayside	Uist	TOTAL
Osprey	28	44	18	74	-	15	27	-	-	3	61	-	270
Honey-buzzard	-	-	0	2	-	-	-	-	-	-	2	-	4
Golden Eagle	51	7	2	168	33	3	1	-	-	0	33	18	316
Sparrowhawk	23	37	2	11	0	12	0	29	1	10	12	2	139
Goshawk	-	7	38	12	-	44	1	-	-	11	22	-	135
Marsh Harrier	0	1	-	0	-	0	0	0	-	-	14	-	15
Hen Harrier	28	6	18	81	5	12	21	230	-	87	68	49	605
Red Kite	-	48	139	49	-	2	32	-	-	0	91	-	361
White-tailed Eagle	37	-	-	53	22	-	1	1	-	-	3	11	128
Buzzard	170	31	55	151	3	69	11	18	-	9	301	23	841
Barn Owl	125	176	247	57	-	81	0	-	-	43	21	-	750
Tawny Owl	71	100	62	52	-	56	0	-	-	2	20	-	363
Little Owl	-	-	-	-	-	4	-	-	-	-	-	-	4
Long-eared Owl	6	7	0	19	-	19	1	4	-	0	6	11	73
Short-eared Owl	5	5	4	4	-	8	2	101	0	4	35	11	179
Kestrel	2	41	31	36	0	49	2	46	-	25	75	11	318
Merlin	1	9	11	102	2	37	108	76	89	5	51	8	499
Hobby	-	-	-	1	-	0	-	-	-	-	10	-	11
Peregrine	1	28	112	91	2	143	87	29	20	75	98	4	690
Raven	103	53	84	38	9	56	0	1	49	50	108	32	583
TOTAL:	651	600	823	1001	76	610	294	535	159	324	1031	180	6284

Raptor, owl and Raven breeding attempts monitored under the Scottish Raptor Monitoring Scheme in 2018.

Species	Argyll	Central Scotland	Dumfries & Galloway	Highland	Lewis & Harris	Lothian & Borders	North-east Scotland	Orkney	Shetland	South Strathclyde	Tayside	Uist	TOTAL
Osprey	15	31	14	54	-	6	18	-	-	2	32	-	172
Honey-buzzard	-	-	0	1	-	-	-	-	-	-	0	-	1
Golden Eagle	46	4	2	95	27	0	1	-	-	0	25	13	213
Sparrowhawk	7	16	1	11	0	9	0	12	1	4	4	2	67
Goshawk	-	3	20	11	-	28	0	-	-	3	14	-	79
Marsh Harrier	0	0	-	0	-	0	0	0	-	-	8	-	8
Hen Harrier	6	1	11	30	5	6	7	89	-	35	24	16	230
Red Kite	-	22	92	30	-	1	15	-	-	0	45	-	205
White-tailed Eagle	32	-	-	47	20	-	0	1	-	-	1	8	109
Buzzard	46	10	26	85	2	56	5	12	-	4	150	13	409
Barn Owl	23	69	109	44	-	41	0	-	-	15	9	-	310
Tawny Owl	9	31	18	28	-	17	0	-	-	0	6	-	109
Little Owl	-	-	-	-	-	1	-	-	-	-	-	-	1
Long-eared Owl	0	4	0	16	-	15	1	0	-	0	3	3	42
Short-eared Owl	0	0	4	2	-	4	1	7	0	0	11	4	33
Kestrel	2	21	8	23	0	33	2	8	-	10	38	6	151
Merlin	1	2	6	32	0	7	43	11	36	1	18	3	160
Hobby	-	-	-	0	-	0	-	-	-	-	3	-	3
Peregrine	1	17	58	29	1	53	35	12	0	38	37	1	282
Raven	52	39	40	30	6	37	0	1	19	36	59	17	336
TOTAL:	239	270	409	568	61	314	129	153	56	148	487	86	2920

Breeding success of Osprey in Scotland in 2018

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	28	18	2	15	0	15	13	12	24	2.0 (n=12)	1.6	1.6
- Argyll Mainland	27	17	2	14	0	14	12	12	24	2.0 (n=12)	1.7	1.7
- Bute	1	1	0	1	0	1	1	0	0	-	-	-
Central	44	32	0	31	2	29	23	23	42	1.8 (n=23)	1.4	1.4
- Arrochar & Helensburgh	2	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Dunbartonshire	6	6	0	6	1	5	5	5	8	1.6 (n=5)	1.6	1.3
- North Lanarkshire	1	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Stirling	35	24	0	23	1	22	16	16	30	1.9 (n=16)	1.4	1.3
Dumfries & Galloway	18	14	2	14	4	10	7	6	12	2.0 (n=6)	1.2	0.9
Highland	74	56	3	54	0	49	40	40	80	2.0 (n=38)	1.6	1.4
- Caithness	1	1	0	0	0	0	0	0	0	-	-	-
- Inverness-shire	14	11	1	11	0	11	9	9	19	2.0 (n=8)	1.6	1.6
- Lochaber	4	4	0	4	0	4	1	1	1	1.0 (n=1)	0.2	0.2
- Ross-shire	32	20	2	19	0	17	14	14	29	2.1 (n=14)	1.7	1.5
- Sutherland	23	20	0	20	0	17	16	16	31	1.9 (n=15)	1.8	1.5
Lothian & Borders	15	10	1	6	0	6	6	5	10	2.0 (n=5)	1.7	1.7
- Lothian	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Scottish Borders	14	9	1	5	0	5	5	4	8	2.0 (n=4)	1.6	1.6
North-east	27	18	0	18	0	17	13	12	25	2.1 (n=12)	1.5	1.4
- Aberdeenshire	26	17	0	17	0	16	12	12	25	2.1 (n=12)	1.6	1.5
- East Moray	1	1	0	1	0	1	1	0	0	-	-	-
South Strathclyde	3	2	1	2	1	1	1	1	2	2.0 (n=1)	2.0	1.0
- Ayrshire	2	2	0	2	1	1	1	1	2	2.0 (n=1)	2.0	1.0
- South Lanarkshire	1	0	1	0	0	0	0	0	0	-	-	-

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	61	33	5	32	0	29	28	26	43	1.6 (n=24)	1.4	1.3
- Angus	13	10	1	9	0	8	7	7	12	1.6 (n=6)	1.4	1.2
- Fife	1	0	0	0	0	0	0	0	0	-	-	-
- Perth & Kinross	47	23	4	23	0	21	21	19	31	1.6 (n=18)	1.4	1.3
TOTAL:	270	183	14	172	7	156	131	125	238	1.9 (n=121)	1.5	1.4

Breeding success of Honey-buzzard in Scotland in 2018

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
Highland	2	1	1	1	0	1	1	1	1
- Inverness-shire	2	1	1	1	0	1	1	1	1
Tayside	2	0	0	0	0	0	0	0	0
- Angus	2	0	0	0	0	0	0	0	0
TOTAL:	4	1	1	1	0	1	1	1	1

Breeding success of Golden Eagle in Scotland in 2018

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	51	49	0	1	46	10	35	24	22	22	0.9 (n=19)	0.5	0.4
- Argyll Islands	24	24	0	0	22	9	13	7	7	7	1.0 (n=7)	0.5	0.3
- Argyll Mainland	26	25	0	1	24	1	22	17	15	15	0.8 (n=12)	0.5	0.5
- Bute	1	0	0	0	0	0	0	0	0	0	-	-	-
Central	7	7	0	0	4	1	3	3	3	3	1.0 (n=3)	1.0	0.8
- Arrochar & Helensburgh	1	1	0	0	0	0	0	0	0	0	-	-	-
- Stirling	6	6	0	0	4	1	3	3	3	3	1.0 (n=3)	1.0	0.8
Highland	168	145	15	12	95	9	78	66	59	71	1.2 (n=59)	0.9	0.7
- Badenoch & Strathspey	22	20	6	2	13	0	12	11	10	13	1.3 (n=10)	1.1	1.0
- Caithness	1	1	0	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Inverness-shire	27	19	0	6	9	1	7	6	6	8	1.3 (n=6)	1.1	0.9
- Isle of Skye	2	2	1	0	0	0	0	0	0	0	-	-	-
- Lochaber	38	31	4	3	22	4	15	8	4	5	1.2 (n=4)	0.3	0.2
- Nairn	1	1	1	0	1	1	0	0	0	0	-	-	-
- Ross-shire	37	34	1	1	30	3	26	23	22	26	1.2 (n=22)	1.0	0.9
- Small Isles	5	5	0	0	5	0	4	4	4	4	1.0 (n=4)	1.0	0.8
- Sutherland	35	32	2	0	14	0	13	13	12	13	1.1 (n=12)	1.0	0.9
Lewis & Harris	33	33	0	0	27	5	20	17	17	17	0.9 (n=16)	0.8	0.6
- Harris	5	5	0	0	5	2	3	3	3	3	1.0 (n=3)	1.0	0.6
- Lewis	28	28	0	0	22	3	17	14	14	14	0.9 (n=13)	0.8	0.6
Lothian & Borders	3	1	0	0	0	0	0	0	0	0	-	-	-
- Scottish Borders	3	1	0	0	0	0	0	0	0	0	-	-	-
North-east	1	1	0	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0

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)
- East Moray	1	1	0	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
South West Scotland	2	2	0	0	2	0	2	2	2	2	1.0 (n=2)	1.0	1.0
Tayside	33	25	3	2	25	6	14	13	10	14	1.3 (n=9)	0.9	0.5
- Angus	9	6	0	0	6	0	3	3	3	5	1.7 (n=3)	1.7	0.8
- Perth & Kinross	24	19	3	2	19	6	11	10	7	9	1.1 (n=6)	0.7	0.4
Uist	18	18	0	0	13	2	9	8	7	8	1.1 (n=7)	0.9	0.6
- Barra	1	1	0	0	0	0	0	0	0	0	-	-	-
- Benbecula	2	2	0	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- North Uist	6	6	0	0	4	0	4	4	4	4	1.0 (n=4)	1.0	1.0
- South Uist	9	9	0	0	8	2	4	3	2	2	1.0 (n=2)	0.5	0.2
TOTAL:	316	281	18	15	213	33	162	134	121	138	1.1 (n=116)	0.9	0.7

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 2018

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	11	7	0	7	7	7	20	2.7 (n=6)	2.7	2.7
- Argyll Islands	5	3	1	0	1	1	1	1	0.0 (n=0)	0.0	0.0
- Argyll Mainland	14	7	5	0	5	5	5	18	3.6 (n=5)	3.6	3.6
- Bute	4	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Central	37	17	16	0	16	16	16	53	3.3 (n=16)	3.3	3.3
- Dunbartonshire	1	0	0	0	0	0	0	0	-	-	-
- North Lanarkshire	19	11	11	0	11	11	11	38	3.5 (n=11)	3.5	3.5
- Stirling	17	6	5	0	5	5	5	15	3.0 (n=5)	3.0	3.0
Dumfries & Galloway	2	2	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
Highland	11	11	11	0	11	11	11	31	2.8 (n=11)	2.8	2.8
- Inverness-shire	3	3	3	0	3	3	3	10	3.3 (n=3)	3.3	3.3
- Ross-shire	4	4	4	0	4	4	4	11	2.8 (n=4)	2.8	2.8
- Small Isles	1	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- West Moray	3	3	3	0	3	3	3	7	2.3 (n=3)	2.3	2.3
Lothian & Borders	12	9	9	0	9	9	9	29	3.2 (n=9)	3.2	3.2
- Lothian	8	7	7	0	7	7	7	23	3.3 (n=7)	3.3	3.3
- Scottish Borders	4	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
Orkney	29	12	12	3	9	8	4	8	2.0 (n=4)	0.9	0.7
Shetland	1	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
South Strathclyde	10	5	4	0	4	4	4	6	1.2 (n=3)	1.2	1.2
- Arran & Cumbrae	9	4	4	0	4	4	4	6	1.2 (n=3)	1.2	1.2
- Ayrshire	1	1	0	0	0	0	0	0	-	-	-
Tayside	12	7	4	0	4	4	3	4	1.0 (n=2)	0.8	0.8
- Angus	9	5	2	0	2	2	1	2	2.0 (n=1)	1.0	1.0
- Fife	2	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Perth & Kinross	1	1	1	0	1	1	1	1	0.0 (n=0)	0.0	0.0
Uist	2	2	2	0	2	1	1	2	2.0 (n=1)	1.0	1.0
- Barra	1	1	1	0	1	0	0	0	-	-	-
- South Uist	1	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0

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)
TOTAL:	139	77	67	3	64	62	57	156	2.8 (n=54)	2.5	2.4

Breeding success of Goshawk in Scotland in 2018

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	7	3	1	3	0	3	3	3	8	2.7 (n=3)	2.7	2.7
- Stirling	7	3	1	3	0	3	3	3	8	2.7 (n=3)	2.7	2.7
Dumfries & Galloway	38	22	5	20	0	20	18	17	33	1.9 (n=17)	1.6	1.6
Highland	12	11	1	11	1	10	9	9	25	2.8 (n=9)	2.5	2.3
- Badenoch & Strathspey	8	7	1	7	0	7	6	6	17	2.8 (n=6)	2.4	2.4
- Inverness-shire	3	3	0	3	1	2	2	2	5	2.5 (n=2)	2.5	1.7
- Nairn	1	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
Lothian & Borders	44	32	3	28	0	28	27	27	54	2.0 (n=27)	1.9	1.9
- Lothian	2	1	0	1	0	1	0	0	0	-	-	-
- Scottish Borders	42	31	3	27	0	27	27	27	54	2.0 (n=27)	2.0	2.0
Northeast Scotland	1	1	0	0	0	0	0	0	0	-	-	-
- Aberdeenshire	1	1	0	0	0	0	0	0	0	-	-	-
South Strathclyde	11	9	0	3	0	3	2	1	1	1.0 (n=1)	0.3	0.3
- Ayrshire	9	7	0	3	0	3	2	1	1	1.0 (n=1)	0.3	0.3
- South Lanarkshire	2	2	0	0	0	0	0	0	0	-	-	-
Tayside	22	14	6	14	0	14	14	14	30	2.1 (n=13)	2.1	2.1
- Angus	2	2	0	2	0	2	2	2	3	1.0 (n=1)	1.0	1.0
- Fife	2	0	1	0	0	0	0	0	0	-	-	-
- Perth & Kinross	18	12	5	12	0	12	12	12	27	2.2 (n=12)	2.2	2.2
TOTAL:	135	92	16	79	1	78	73	71	151	2.1 (n=70)	2.0	1.9

Breeding success of Marsh Harrier in Scotland in 2018

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)
Central Scotland	1	0	0	0	0	0	0	0	0	-	-	-
- Clackmannanshire	1	0	0	0	0	0	0	0	0	-	-	-
Tayside	14	12	0	8	0	8	8	7	19	2.7 (n=7)	2.4	2.4
- Angus	3	3	0	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- Fife	2	0	0	0	0	0	0	0	0	-	-	-
- Perth & Kinross	9	9	0	6	0	6	6	5	14	2.8 (n=5)	2.3	2.3
TOTAL:	15	12	0	8	0	8	8	7	19	2.7 (n=7)	2.4	2.4

Breeding success of Hen Harrier in Scotland in 2018

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	28	13	5	6	0	6	5	5	7	1.4 (n=5)	1.2	1.2
- Argyll Islands	11	6	0	2	0	2	2	2	2	1.0 (n=2)	1.0	1.0
- Argyll Mainland	16	7	5	4	0	4	3	3	5	1.7 (n=3)	1.2	1.2
- Bute	1	0	0	0	0	0	0	0	0	-	-	-
Central	6	4	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Arrochar & Helensburgh	5	4	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Clackmannanshire	1	0	0	0	0	0	0	0	0	-	-	-
Dumfries & Galloway	18	12	2	11	2	7	6	4	14	3.5 (n=4)	2.0	1.3
Highland	81	42	6	30	0	30	28	22	69	3.1 (n=22)	2.3	2.3
- Badenoch & Strathspey	16	9	1	3	0	3	3	2	8	4.0 (n=2)	2.7	2.7
- Inverness-shire	15	5	0	4	0	4	3	3	9	3.0 (n=3)	2.2	2.2
- Isle of Skye	11	9	2	9	0	9	9	7	17	2.4 (n=7)	1.9	1.9
- Lochaber	5	3	1	0	0	0	0	0	0	-	-	-
- Nairn	4	3	0	3	0	3	3	2	5	2.5 (n=2)	1.7	1.7
- Ross-shire	4	3	0	3	0	3	3	1	4	4.0 (n=1)	1.3	1.3
- Small Isles	3	2	0	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Sutherland	10	6	2	4	0	4	4	4	16	4.0 (n=4)	4.0	4.0
- West Moray	13	2	0	2	0	2	1	1	4	4.0 (n=1)	2.0	2.0
Lewis & Harris	5	5	0	5	0	5	3	3	9	3.0 (n=3)	1.8	1.8
- Lewis	5	5	0	5	0	5	3	3	9	3.0 (n=3)	1.8	1.8
Lothian & Borders	12	6	1	6	3	3	3	3	11	3.7 (n=3)	3.7	1.8
- Scottish Borders	12	6	1	6	3	3	3	3	11	3.7 (n=3)	3.7	1.8
Northeast Scotland	21	10	1	7	0	7	7	7	23	3.3 (n=7)	3.3	3.3
- Aberdeenshire	6	1	0	0	0	0	0	0	0	-	-	-
- East Moray	15	9	1	7	0	7	7	7	23	3.3 (n=7)	3.3	3.3

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	230	89	27	89	52	37	29	18	32	1.8 (n=18)	0.9	0.4
South Strathclyde	87	38	10	35	2	25	23	23	63	2.7 (n=23)	2.5	1.8
- Arran & Cumbrae	35	27	4	27	0	19	19	19	52	2.7 (n=19)	2.7	1.9
- Ayrshire	18	2	2	2	0	2	1	1	3	3.0 (n=1)	1.5	1.5
- Inverclyde	12	0	0	0	0	0	0	0	0	-	-	-
- Renfrewshire	8	0	2	0	0	0	0	0	0	-	-	-
- South Lanarkshire	14	9	2	6	2	4	3	3	8	2.7 (n=3)	2.0	1.3
Tayside	68	29	9	24	2	21	15	9	31	3.4 (n=9)	1.5	1.3
- Angus	9	3	2	0	0	0	0	0	0	-	-	-
- Perth & Kinross	59	26	7	24	2	21	15	9	31	3.4 (n=9)	1.5	1.3
Uist	49	29	9	16	0	16	15	15	34	2.4 (n=14)	2.2	2.2
- Barra	1	1	0	0	0	0	0	0	0	-	-	-
- Benbecula	6	2	3	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- North Uist	15	9	5	5	0	5	5	5	13	2.6 (n=5)	2.6	2.6
- South Uist	27	17	1	10	0	10	9	9	20	2.1 (n=8)	1.9	1.9
TOTAL:	605	277	70	230	61	158	135	110	296	2.7 (n=109)	1.9	1.3

Breeding success of Red Kite in Scotland in 2018

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	48	30	22	1	21	16	13	20	1.4 (n=11)	0.9	0.8
- Stirling	48	30	22	1	21	16	13	20	1.4 (n=11)	0.9	0.8
Dumfries & Galloway	139	123	92	1	91	81	75	101	1.3 (n=75)	1.1	1.1
Highland	49	37	30	0	29	25	24	47	2.0 (n=24)	1.6	1.6
- Inverness-shire	11	8	4	0	4	4	4	7	1.8 (n=4)	1.8	1.8
- Ross-shire	34	25	22	0	21	17	16	33	2.1 (n=16)	1.6	1.5
- Sutherland	4	4	4	0	4	4	4	7	1.8 (n=4)	1.8	1.8
Lothian & Borders	2	2	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Scottish Borders	2	2	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
North-east Scotland	32	24	15	1	14	12	11	26	2.4 (n=11)	1.9	1.7
- Aberdeenshire	32	24	15	1	14	12	11	26	2.4 (n=11)	1.9	1.7
Tayside	91	50	45	1	43	42	41	76	1.8 (n=39)	1.7	1.6
- Angus	15	12	12	1	10	9	9	18	2.0 (n=9)	1.8	1.5
- Perth & Kinross	76	38	33	0	33	33	32	58	1.8 (n=30)	1.7	1.7
TOTAL:	361	266	205	4	199	177	165	273	1.7 (n=161)	1.4	1.3

Breeding success of White-tailed Eagle in Scotland in 2018

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	37	34	32	21	18	17	19	1.1 (n=17)	0.9	0.6
- Argyll Islands	28	28	28	19	17	16	18	1.1 (n=16)	0.9	0.6
- Argyll Mainland	9	6	4	2	1	1	1	1.0 (n=1)	0.5	0.2
Highland	53	52	47	40	35	32	47	1.4 (n=31)	1.1	1.0
- Badenoch & Strathspey	1	1	1	1	1	1	2	2.0 (n=1)	2.0	2.0
- Inverness-shire	1	1	1	1	1	1	2	2.0 (n=1)	2.0	2.0
- Isle of Skye	24	24	20	16	13	12	17	1.4 (n=12)	1.1	0.8
- Lochaber	10	10	10	9	7	5	5	0.8 (n=4)	0.4	0.4
- Ross-shire	9	9	9	8	8	8	14	1.8 (n=8)	1.8	1.6
- Small Isles	5	4	3	2	2	2	2	1.0 (n=2)	1.0	0.7
- Sutherland	3	3	3	3	3	3	5	1.7 (n=3)	1.7	1.7
Lewis & Harris	22	21	20	17	14	12	15	1.2 (n=12)	0.9	0.8
- Harris	4	4	4	4	3	2	2	1.0 (n=2)	0.5	0.5
- Lewis	18	17	16	13	11	10	13	1.3 (n=10)	1.0	0.8
North-east Scotland	1	0	0	0	0	0	0	-	-	-
- Aberdeenshire	1	0	0	0	0	0	0	-	-	-
Orkney	1	1	1	1	1	1	2	2.0 (n=1)	2.0	2.0
Tayside	3	1	1	1	0	0	0	-	-	-
- Angus	1	1	1	1	0	0	0	-	-	-
- Fife	1	0	0	0	0	0	0	-	-	-
- Perth & Kinross	1	0	0	0	0	0	0	-	-	-
Uist	11	11	8	8	8	8	12	1.5 (n=8)	1.5	1.5
- Benbecula	1	1	1	1	1	1	1	1.0 (n=1)	1.0	1.0
- North Uist	7	7	4	4	4	4	6	1.5 (n=4)	1.5	1.5
- South Uist	3	3	3	3	3	3	5	1.7 (n=3)	1.7	1.7

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)
TOTAL:	128	120	109	88	76	70	95	1.4 (n=69)	1.1	0.9

Breeding success of Buzzard in Scotland in 2018

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	170	65	12	46	0	44	43	42	66	1.6 (n=42)	1.5	1.4
- Argyll Islands	90	30	5	12	0	10	9	9	16	1.8 (n=9)	1.6	1.3
- Argyll Mainland	17	13	0	13	0	13	13	13	16	1.2 (n=13)	1.2	1.2
- Bute	63	22	7	21	0	21	21	20	34	1.7 (n=20)	1.6	1.6
Central	31	18	2	10	2	7	7	7	10	1.3 (n=6)	1.3	0.9
- Clackmannanshire	3	3	0	3	2	0	0	0	0	-	-	-
- Dunbartonshire	3	2	1	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Glasgow	1	0	1	0	0	0	0	0	0	-	-	-
- Stirling	24	13	0	6	0	6	6	6	9	1.3 (n=5)	1.3	1.3
Dumfries & Galloway	55	35	4	26	0	26	26	25	33	1.3 (n=24)	1.2	1.2
Highland	151	115	3	85	0	85	85	83	149	1.8 (n=83)	1.8	1.8
- Badenoch & Strathspey	17	13	2	13	0	13	13	13	26	2.0 (n=13)	2.0	2.0
- Caithness	0	0	0	0	0	0	0	0	0	-	-	-
- Inverness-shire	24	22	1	13	0	13	13	13	24	1.8 (n=13)	1.8	1.8
- Isle of Skye	2	2	0	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
- Lochaber	1	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Ross-shire	92	63	0	44	0	44	44	42	70	1.7 (n=42)	1.6	1.6
- Small Isles	5	5	0	5	0	5	5	5	10	2.0 (n=5)	2.0	2.0
- Sutherland	9	8	0	7	0	7	7	7	14	2.0 (n=7)	2.0	2.0
- West Morry	1	1	0	0	0	0	0	0	0	-	-	-
Lewis & Harris	3	2	1	2	0	2	2	2	3	1.5 (n=2)	1.5	1.5
- Harris	1	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Lewis	2	1	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
Lothian & Borders	69	61	0	56	2	54	53	52	111	2.1 (n=51)	2.0	2.0
- Lothian	37	35	0	34	0	34	34	33	76	2.3 (n=33)	2.2	2.2
- Scottish Borders	32	26	0	22	2	20	19	19	35	1.8 (n=18)	1.7	1.5
North-east	11	7	1	5	0	5	5	5	9	1.8 (n=5)	1.8	1.8
- Aberdeenshire	11	7	1	5	0	5	5	5	9	1.8 (n=5)	1.8	1.8
Orkney	18	12	0	12	8	4	4	4	8	2.0 (n=4)	2.0	0.7

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)
South Strathclyde	9	4	0	4	0	4	4	4	5	1.2 (n=4)	1.2	1.2
- Arran & Cumbrae	6	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Ayrshire	3	3	0	3	0	3	3	3	4	1.3 (n=3)	1.3	1.3
Tayside	301	218	5	150	0	143	143	142	201	1.4 (n=142)	1.4	1.3
- Angus	164	144	2	96	0	94	94	94	132	1.4 (n=94)	1.4	1.4
- Fife	33	22	2	17	0	17	17	16	24	1.5 (n=16)	1.4	1.4
- Perth & Kinross	104	52	1	37	0	32	32	32	45	1.4 (n=32)	1.4	1.2
Uist	23	18	1	13	1	12	12	12	21	1.8 (n=12)	1.8	1.6
- Barra	3	3	0	3	0	3	3	3	4	1.3 (n=3)	1.3	1.3
- Benbecula	2	2	0	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- North Uist	11	7	1	3	0	3	3	3	8	2.7 (n=3)	2.7	2.7
- South Uist	7	6	0	5	1	4	4	4	4	1.0 (n=4)	1.0	0.8
TOTAL:	841	555	29	409	13	386	384	378	616	1.6 (n=375)	1.6	1.5

Breeding success of Barn Owl in Scotland in 2018

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	125	40	19	23	0	21	21	18	33	1.8 (n=18)	1.6	1.4
- Argyll Islands	15	9	0	5	0	4	4	2	2	1.0 (n=2)	0.5	0.4
- Argyll Mainland	106	30	19	17	0	16	16	15	28	1.9 (n=15)	1.8	1.6
- Bute	4	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
Central	176	89	2	69	1	66	63	58	122	2.1 (n=57)	1.8	1.8
- Arrochar & Helensburgh	6	4	0	4	0	4	3	3	5	1.7 (n=3)	1.2	1.2
- Clackmannanshire	9	9	0	9	0	9	9	9	20	2.2 (n=9)	2.2	2.2
- Dunbartonshire	10	6	1	3	0	3	3	3	6	2.0 (n=3)	2.0	2.0
- Falkirk	16	13	1	7	0	7	7	7	7	0.9 (n=6)	0.9	0.9
- North Lanarkshire	14	10	0	10	1	9	9	9	25	2.8 (n=9)	2.8	2.5
- Stirling	121	47	0	36	0	34	32	27	59	2.2 (n=27)	1.7	1.6
Dumfries & Galloway	247	116	20	109	17	92	84	75	178	2.4 (n=74)	1.9	1.6
Highland	57	47	4	44	1	43	41	39	104	2.6 (n=37)	2.4	2.3
- Badenoch & Strathspey	3	3	0	3	0	3	3	3	8	2.3 (n=2)	2.3	2.3
- Caithness	6	6	0	5	0	5	5	5	12	2.4 (n=5)	2.4	2.4
- Inverness-shire	10	7	1	7	1	6	6	6	13	2.0 (n=5)	2.0	1.7
- Lochaber	9	9	0	9	0	9	8	7	11	1.6 (n=7)	1.2	1.2
- Nairn	3	2	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Ross-shire	8	5	2	5	0	5	4	4	11	2.8 (n=4)	2.2	2.2
- Sutherland	16	14	0	13	0	13	13	13	46	3.5 (n=13)	3.5	3.5
- West Moray	2	1	0	1	0	1	1	0	0	-	-	-
Lothian & Borders	81	54	5	41	1	40	35	35	71	2.0 (n=35)	1.8	1.7
- Lothian	7	2	1	2	0	2	1	1	3	3.0 (n=1)	1.5	1.5
- Scottish Borders	74	52	4	39	1	38	34	34	68	2.0 (n=34)	1.8	1.7

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	43	21	8	15	0	15	14	14	29	2.1 (n=14)	1.9	1.9
- Ayrshire	42	21	8	15	0	15	14	14	29	2.1 (n=14)	1.9	1.9
- South Lanarkshire	1	0	0	0	0	0	0	0	0	-	-	-
Tayside	21	13	7	9	0	9	9	9	22	2.4 (n=9)	2.4	2.4
- Angus	8	5	3	3	0	3	3	3	10	3.3 (n=3)	3.3	3.3
- Fife	1	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Perth & Kinross	12	7	4	5	0	5	5	5	11	2.2 (n=5)	2.2	2.2
TOTAL:	750	380	65	310	20	286	267	248	559	2.3 (n=244)	2.0	1.8

Breeding success of Tawny Owl in Scotland in 2018

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	71	16	9	9	7	7	9	1.3 (n=7)	1.0	1.0
- Argyll Islands	1	0	0	0	0	0	0	-	-	-
- Argyll Mainland	69	15	8	8	6	6	8	1.3 (n=6)	1.0	1.0
- Bute	1	1	1	1	1	1	1	1.0 (n=1)	1.0	1.0
Central	100	36	31	30	29	29	56	1.9 (n=29)	1.9	1.8
- Arrochar & Helensburgh	1	1	1	0	0	0	0	-	-	-
- Stirling	99	35	30	30	29	29	56	1.9 (n=29)	1.9	1.9
Dumfries & Galloway	62	21	18	18	15	15	24	1.6 (n=15)	1.3	1.3
Highland	52	29	28	27	23	21	43	2.0 (n=21)	1.6	1.5
- Inverness-shire	8	3	3	2	1	1	2	2.0 (n=1)	1.0	0.7
- Ross-shire	40	22	22	22	19	17	33	1.9 (n=17)	1.5	1.5
- Sutherland	4	4	3	3	3	3	8	2.7 (n=3)	2.7	2.7
Lothian & Borders	56	18	17	17	16	15	30	2.0 (n=15)	1.8	1.8
- Lothian	11	4	3	3	3	3	4	1.3 (n=3)	1.3	1.3
- Scottish Borders	45	14	14	14	13	12	26	2.2 (n=12)	1.9	1.9
South Strathclyde	2	0	0	0	0	0	0	-	-	-
- Ayrshire	1	0	0	0	0	0	0	-	-	-
- South Lanarkshire	1	0	0	0	0	0	0	-	-	-
Tayside	20	11	6	6	6	6	8	1.3 (n=6)	1.3	1.3
- Angus	6	5	3	3	3	3	4	1.3 (n=3)	1.3	1.3
- Fife	2	1	0	0	0	0	0	-	-	-
- Perth & Kinross	12	5	3	3	3	3	4	1.3 (n=3)	1.3	1.3
TOTAL:	363	131	109	107	96	93	170	1.8 (n=93)	1.6	1.6

Breeding success of Little Owl in Scotland in 2018

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	4	2	2	1	0	1	0	0	0	-	-	-
- Scottish Borders	4	2	2	1	0	1	0	0	0	-	-	-
TOTAL:	4	2	2	1	0	1	0	0	0	-	-	-

Breeding success of Long-Eared Owl in Scotland in 2018

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	6	1	0	0	0	0	-	-	-
- Argyll Islands	6	1	0	0	0	0	-	-	-
Central Scotland	7	4	4	4	4	5	1.2 (n=4)	1.2	1.2
- Arrochar & Helensburgh	7	4	4	4	4	5	1.2 (n=4)	1.2	1.2
Highland	19	17	16	16	16	37	2.2 (n=15)	2.2	2.2
- Badenoch & Strathspey	2	2	2	2	2	5	2.5 (n=2)	2.5	2.5
- Inverness-shire	5	5	5	5	5	13	2.6 (n=5)	2.6	2.6
- Ross-shire	2	2	2	2	2	5	2.5 (n=2)	2.5	2.5
- Small Isles	2	2	2	2	2	6	3.0 (n=2)	3.0	3.0
- Sutherland	6	4	3	3	3	6	2.0 (n=3)	2.0	2.0
- West Moray	2	2	2	2	2	2	0.5 (n=1)	0.5	0.5
Lothian & Borders	19	16	15	15	15	24	1.5 (n=14)	1.5	1.5
- Lothian	9	7	7	7	7	10	1.3 (n=6)	1.3	1.3
- Scottish Borders	10	9	8	8	8	14	1.8 (n=8)	1.8	1.8
North-east	1	1	1	1	1	2	2.0 (n=1)	2.0	2.0
- Aberdeenshire	1	1	1	1	1	2	2.0 (n=1)	2.0	2.0
Orkney	4	0	0	0	0	0	-	-	-
Tayside	6	3	3	3	2	4	2.0 (n=2)	1.3	1.3
- Angus	4	1	1	1	0	0	-	-	-
- Perth & Kinross	2	2	2	2	2	4	2.0 (n=2)	2.0	2.0
Uist	11	6	3	3	3	6	2.0 (n=3)	2.0	2.0
- North Uist	10	5	2	2	2	5	2.5 (n=2)	2.5	2.5
- South Uist	1	1	1	1	1	1	1.0 (n=1)	1.0	1.0
TOTAL:	73	48	42	42	41	78	1.9 (n=39)	1.9	1.9

Breeding success of Short-eared Owl in Scotland in 2018

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	5	1	0	0	0	0	0	0	-	-	-
- Argyll Islands	2	1	0	0	0	0	0	0	-	-	-
- Argyll Mainland	3	0	0	0	0	0	0	0	-	-	-
Central	5	1	0	0	0	0	0	0	-	-	-
- Arrochar & Helensburgh	4	0	0	0	0	0	0	0	-	-	-
- Stirling	1	1	0	0	0	0	0	0	-	-	-
Dumfries & Galloway	4	4	0	4	0	0	0	0	-	-	-
Highland	4	2	2	2	2	2	2	11	5.5 (n=2)	5.5	5.5
- Badenoch & Strathspey	2	2	0	2	2	2	2	11	5.5 (n=2)	5.5	5.5
- Caithness	0	0	0	0	0	0	0	0	-	-	-
- Nairn	1	0	1	0	0	0	0	0	-	-	-
- Sutherland	1	0	1	0	0	0	0	0	-	-	-
Lothian & Borders	8	5	1	4	4	4	4	7	1.8 (n=4)	1.8	1.8
- Lothian	1	0	0	0	0	0	0	0	-	-	-
- Scottish Borders	7	5	1	4	4	4	4	7	1.8 (n=4)	1.8	1.8
North-east	2	2	0	1	1	1	1	1	0.0 (n=0)	0.0	0.0
- Aberdeenshire	2	2	0	1	1	1	1	1	0.0 (n=0)	0.0	0.0
Orkney	101	7	26	7	2	2	1	2	2.0 (n=1)	1.0	0.3
South Strathclyde	4	0	0	0	0	0	0	0	-	-	-
- Ayrshire	4	0	0	0	0	0	0	0	-	-	-
Tayside	35	17	9	11	11	11	11	25	2.1 (n=9)	2.1	2.1
- Angus	10	1	2	0	0	0	0	0	-	-	-
- Perth & Kinross	25	16	7	11	11	11	11	25	2.1 (n=9)	2.1	2.1
Uist	11	6	5	4	4	4	4	9	2.2 (n=4)	2.2	2.2
- Benbecula	2	1	1	0	0	0	0	0	-	-	-

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)
- North Uist	6	2	4	1	1	1	1	3	3.0 (n=1)	3.0	3.0
- South Uist	3	3	0	3	3	3	3	6	2.0 (n=3)	2.0	2.0
TOTAL:	179	45	43	33	24	24	23	55	2.6 (n=20)	2.5	1.8

Breeding success of Kestrel in Scotland in 2018

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	2	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Argyll Mainland	2	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
Central	41	28	21	0	21	20	20	70	3.5 (n=20)	3.3	3.3
- Arrochar & Helensburgh	4	4	4	0	4	4	4	12	3.0 (n=4)	3.0	3.0
- Clackmannanshire	1	1	0	0	0	0	0	0	-	-	-
- Dunbartonshire	3	3	3	0	3	3	3	13	4.3 (n=3)	4.3	4.3
- Falkirk	2	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- North Lanarkshire	25	16	11	0	11	10	10	33	3.3 (n=10)	3.0	3.0
- Stirling	6	3	2	0	2	2	2	9	4.5 (n=2)	4.5	4.5
Dumfries & Galloway	31	11	8	0	8	8	8	24	3.0 (n=8)	3.0	3.0
Highland	36	32	23	0	22	22	22	84	3.8 (n=22)	3.8	3.7
- Badenoch & Strathspey	4	4	4	0	4	4	4	11	2.8 (n=4)	2.8	2.8
- Inverness-shire	21	17	13	0	12	12	12	52	4.3 (n=12)	4.3	4.0
- Lochaber	1	1	0	0	0	0	0	0	-	-	-
- Nairn	3	3	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Ross-shire	4	4	3	0	3	3	3	15	5.0 (n=3)	5.0	5.0
- Small Isles	1	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Sutherland	1	1	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	49	37	33	0	33	31	31	136	4.4 (n=30)	4.1	4.1
- Lothian	25	22	21	0	21	19	19	86	4.5 (n=18)	4.0	4.0
- Scottish Borders	24	15	12	0	12	12	12	50	4.2 (n=12)	4.2	4.2
North-east	2	2	2	1	1	1	1	2	2.0 (n=1)	2.0	1.0
- Aberdeenshire	2	2	2	1	1	1	1	2	2.0 (n=1)	2.0	1.0
Orkney	46	8	8	4	4	4	2	5	2.5 (n=2)	1.2	0.6

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)
South Strathclyde	25	16	10	0	10	10	10	27	2.7 (n=10)	2.7	2.7
- Ayrshire	21	12	8	0	8	8	8	23	2.9 (n=8)	2.9	2.9
- Renfrewshire	4	4	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
Tayside	75	56	38	1	36	35	35	83	2.3 (n=31)	2.2	2.1
- Angus	35	23	17	0	17	17	17	42	2.5 (n=17)	2.5	2.5
- Fife	3	2	1	0	1	0	0	0	-	-	-
- Perth & Kinross	37	31	20	1	18	18	18	41	2.1 (n=14)	2.1	1.8
Uist	11	9	6	0	6	6	6	17	2.8 (n=6)	2.8	2.8
- North Uist	3	2	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- South Uist	8	7	5	0	5	5	5	14	2.8 (n=5)	2.8	2.8
TOTAL:	318	201	151	6	143	139	137	454	3.4 (n=132)	3.3	3.1

Breeding success of Merlin in Scotland in 2018

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	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Argyll Mainland	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
Central Scotland	9	3	0	2	0	2	2	2	3	1.5 (n=2)	1.5	1.5
- Clackmannanshire	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Stirling	8	2	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Dumfries & Galloway	11	8	2	6	1	5	1	1	1	1.0 (n=1)	0.2	0.2
Highland	102	44	13	32	0	31	31	31	90	2.9 (n=31)	2.9	2.8
- Badenoch & Strathspey	20	9	2	9	0	9	9	9	26	2.9 (n=9)	2.9	2.9
- Inverness-shire	12	3	1	3	0	3	3	2	7	3.5 (n=2)	2.3	2.3
- Lochaber	7	1	0	0	0	0	0	0	0	-	-	-
- Nairn	10	5	0	5	0	5	5	5	15	3.0 (n=5)	3.0	3.0
- Ross-shire	2	1	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Small Isles	4	3	1	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- Sutherland	28	18	8	9	0	8	8	9	23	2.6 (n=9)	2.9	2.6
- West Moray	19	4	0	3	0	3	3	3	12	4.0 (n=3)	4.0	4.0
Lewis & Harris	2	1	0	0	0	0	0	0	0	-	-	-
- Lewis	2	1	0	0	0	0	0	0	0	-	-	-
Lothian & Borders	37	13	7	7	0	7	6	4	14	3.5 (n=4)	2.0	2.0
- Lothian	9	3	1	0	0	0	0	0	0	-	-	-
- Scottish Borders	28	10	6	7	0	7	6	4	14	3.5 (n=4)	2.0	2.0
North-east	108	46	4	43	1	38	33	31	79	2.5 (n=31)	2.1	1.8
- Aberdeenshire	86	39	2	36	0	33	29	27	71	2.6 (n=27)	2.2	2.0
- East Moray	22	7	2	7	1	5	4	4	8	2.0 (n=4)	1.6	1.1
Orkney	76	11	2	11	4	7	6	3	9	3.0 (n=3)	1.3	0.8
Shetland	89	36	1	36	1	35	28	26	86	3.3 (n=26)	2.5	2.4
South Strathclyde	5	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- South Lanarkshire	5	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Tayside	51	25	10	18	2	14	14	14	33	2.3 (n=13)	2.3	1.8

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)
- Angus	17	8	3	8	0	7	7	7	18	2.6 (n=7)	2.6	2.2
- Perth & Kinross	34	17	7	10	2	7	7	7	15	2.0 (n=6)	2.0	1.4
Uist	8	5	3	3	0	3	3	3	9	3.0 (n=3)	3.0	3.0
- Barra	1	1	0	0	0	0	0	0	0	-	-	-
- North Uist	3	1	2	0	0	0	0	0	0	-	-	-
- South Uist	4	3	1	3	0	3	3	3	9	3.0 (n=3)	3.0	3.0
TOTAL:	499	194	42	160	9	144	126	117	327	2.8 (n=116)	2.3	2.1

Breeding success of Hobby in Scotland in 2018

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	10	4	4	3	0	3	3	3	3	1.0 (n=3)	1.0	1.0
- Angus	10	4	4	3	0	3	3	3	3	1.0 (n=3)	1.0	1.0
TOTAL:	11	4	4	3	0	3	3	3	3	1.0 (n=3)	1.0	1.0

Breeding success of Peregrine in Scotland in 2018

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	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Argyll Mainland	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
Central	28	19	0	17	0	12	12	12	30	2.5 (n=12)	2.5	1.8
- Arrochar & Helensburgh	1	1	0	0	0	0	0	0	0	-	-	-
- Clackmannanshire	2	2	0	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- Dunbartonshire	1	1	0	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Falkirk	3	3	0	3	0	3	3	3	9	3.0 (n=3)	3.0	3.0
- North Lanarkshire	9	7	0	7	0	2	2	2	4	2.0 (n=2)	2.0	0.6
- Stirling	12	5	0	4	0	4	4	4	10	2.5 (n=4)	2.5	2.5
Dumfries & Galloway	112	62	5	58	2	51	45	43	85	2.0 (n=43)	1.7	1.5
Highland	91	41	8	29	0	28	25	25	52	2.1 (n=25)	1.9	1.8
- Badenoch & Strathspey	11	9	0	5	0	5	4	4	9	2.2 (n=4)	1.8	1.8
- Caithness	8	5	0	3	0	3	3	3	5	1.7 (n=3)	1.7	1.7
- Inverness-shire	34	11	4	9	0	9	8	8	21	2.6 (n=8)	2.3	2.3
- Lochaber	9	2	2	0	0	0	0	0	0	-	-	-
- Nairn	3	0	0	0	0	0	0	0	0	-	-	-
- Ross-shire	14	8	1	7	0	6	5	5	7	1.4 (n=5)	1.2	1.0
- Small Isles	3	2	0	2	0	2	2	2	5	2.5 (n=2)	2.5	2.5
- Sutherland	6	3	1	2	0	2	2	2	4	2.0 (n=2)	2.0	2.0
- West Moray	3	1	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Lewis & Harris	2	2	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
- Lewis	2	2	0	1	0	1	1	1	1	1.0 (n=1)	1.0	1.0
Lothian & Borders	143	53	6	53	14	37	31	29	77	2.7 (n=29)	2.1	1.5

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	38	15	0	15	3	12	10	9	23	2.6 (n=9)	1.9	1.5
- Scottish Borders	105	38	6	38	11	25	21	20	54	2.7 (n=20)	2.2	1.4
North-east	87	37	4	35	0	33	29	28	50	1.8 (n=28)	1.5	1.4
- Aberdeenshire	73	32	3	31	0	30	27	26	47	1.8 (n=26)	1.6	1.5
- East Moray	14	5	1	4	0	3	2	2	3	1.5 (n=2)	1.0	0.8
Orkney	29	12	3	12	7	5	4	4	8	2.0 (n=4)	1.6	0.7
Shetland	20	0	1	0	0	0	0	0	0	-	-	-
South Strathclyde	75	38	6	38	5	29	24	24	48	1.9 (n=22)	1.6	1.2
- Arran & Cumbrae	8	5	0	5	0	4	4	4	8	2.0 (n=4)	2.0	1.6
- Ayrshire	46	23	6	23	2	19	16	16	32	1.9 (n=14)	1.6	1.3
- Inverclyde	1	0	0	0	0	0	0	0	0	-	-	-
- Renfrewshire	6	4	0	4	1	2	1	1	2	2.0 (n=1)	1.0	0.5
- South Lanarkshire	14	6	0	6	2	4	3	3	6	2.0 (n=3)	1.5	1.0
Tayside	98	47	10	37	2	27	26	22	42	1.9 (n=21)	1.5	1.1
- Angus	41	15	3	13	0	6	6	5	9	1.8 (n=5)	1.5	0.7
- Fife	20	15	1	11	0	11	11	9	15	1.7 (n=9)	1.4	1.4
- Perth & Kinross	37	17	6	13	2	10	9	8	18	2.1 (n=7)	1.7	1.3
Uist	4	3	1	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- Benbecula	1	1	0	1	0	1	1	1	3	3.0 (n=1)	3.0	3.0
- North Uist	1	0	1	0	0	0	0	0	0	-	-	-
- South Uist	2	2	0	0	0	0	0	0	0	-	-	-
TOTAL:	690	315	44	282	30	225	199	190	398	2.1 (n=187)	1.8	1.4

Breeding success of Raven in Scotland in 2018

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	103	72	52	0	52	51	51	144	2.8 (n=51)	2.8	2.8
- Argyll Islands	41	26	15	0	15	15	15	52	3.5 (n=15)	3.5	3.5
- Argyll Mainland	38	29	23	0	23	22	22	54	2.5 (n=22)	2.3	2.3
- Bute	24	17	14	0	14	14	14	38	2.7 (n=14)	2.7	2.7
Central	53	41	39	6	33	29	28	75	2.7 (n=28)	2.3	1.9
- Arrochar & Helensburgh	4	4	4	2	2	1	1	2	2.0 (n=1)	1.0	0.5
- Clackmannanshire	2	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- Dunbartonshire	1	1	1	0	1	1	1	4	4.0 (n=1)	4.0	4.0
- Falkirk	3	2	2	0	2	2	2	6	3.0 (n=2)	3.0	3.0
- North Lanarkshire	10	8	8	0	8	8	8	21	2.6 (n=8)	2.6	2.6
- Stirling	33	24	22	4	18	15	14	36	2.6 (n=14)	2.0	1.6
Dumfries & Galloway	84	68	40	2	35	32	31	63	2.0 (n=29)	1.7	1.5
Highland	38	34	30	0	30	30	29	90	3.1 (n=29)	3.0	3.0
- Badenoch & Strathspey	7	7	6	0	6	6	6	16	2.7 (n=6)	2.7	2.7
- Inverness-shire	8	7	7	0	7	7	7	27	3.9 (n=7)	3.9	3.9
- Lochaber	2	2	0	0	0	0	0	0	-	-	-
- Nairn	2	1	1	0	1	1	1	2	2.0 (n=1)	2.0	2.0
- Ross-shire	6	6	5	0	5	5	4	12	3.0 (n=4)	2.4	2.4
- Small Isles	3	3	3	0	3	3	3	10	3.3 (n=3)	3.3	3.3
- Sutherland	10	8	8	0	8	8	8	23	2.9 (n=8)	2.9	2.9
Lewis & Harris	9	7	6	0	6	6	6	12	2.0 (n=6)	2.0	2.0
- Lewis	9	7	6	0	6	6	6	12	2.0 (n=6)	2.0	2.0
Lothian & Borders	56	43	37	5	31	30	29	76	2.5 (n=26)	2.4	2.0
- Lothian	16	13	13	2	10	10	10	36	3.6 (n=10)	3.6	2.8
- Scottish Borders	40	30	24	3	21	20	19	40	1.9 (n=16)	1.8	1.5

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)
Orkney	1	1	1	1	0	0	0	0	-	-	-
Shetland	49	31	19	0	18	14	14	47	3.4 (n=14)	2.6	2.5
South Strathclyde	50	37	36	2	33	33	33	94	2.8 (n=32)	2.8	2.6
- Ayrshire	48	35	34	2	31	31	31	87	2.8 (n=30)	2.8	2.5
- South Lanarkshire	2	2	2	0	2	2	2	7	3.5 (n=2)	3.5	3.5
Tayside	108	74	59	3	52	47	46	119	2.6 (n=45)	2.3	2.0
- Angus	32	15	11	0	9	7	7	19	2.7 (n=7)	2.1	1.7
- Fife	15	13	9	0	8	8	8	24	3.0 (n=8)	3.0	2.7
- Perth & Kinross	61	46	39	3	35	32	31	76	2.4 (n=30)	2.1	1.9
Uist	32	25	17	0	17	15	15	46	3.0 (n=14)	2.6	2.6
- Benbecula	3	3	3	0	3	3	3	8	2.7 (n=3)	2.7	2.7
- North Uist	16	10	3	0	3	1	1	3	3.0 (n=1)	1.0	1.0
- South Uist	13	12	11	0	11	11	11	35	3.1 (n=10)	3.1	3.1
TOTAL:	583	433	336	19	307	287	282	766	2.8 (n=274)	2.5	2.3