

## NHZ 02. North Caithness and Orkney



**Figure 1:** NHZ 02. North Caithness and Orkney.

Trends in breeding numbers are available for four species and trends in breeding success for three of the 11 species for which the SRMS holds records for NHZ 02. North Caithness and Orkney (Table 1).

### *Hen Harrier*

The number of breeding pairs and breeding success showed non-linear variation. Clutch size showed a significant decrease (-2.2%) while there was no significant change in brood size. No trend is available for the number of fledglings (Figure 2).

### *Kestrel*

The number of breeding pairs decreased significantly (-14.8%) while breeding success showed no significant change. No trends are

available for clutch size, brood size or number of fledglings (Figure 3).

### *Merlin*

The number of breeding pairs showed no significant change. No trends are available for breeding success, clutch size, brood size or the number of fledglings (Figure 4).

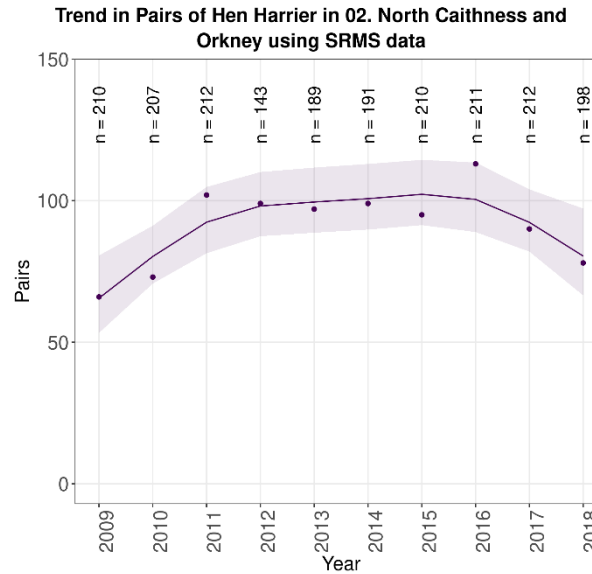
### *Peregrine*

The number of breeding pairs showed no significant change while breeding success decreased significantly (-2.4%). No trends are available for clutch size, brood size or number of fledglings (Figure 5).

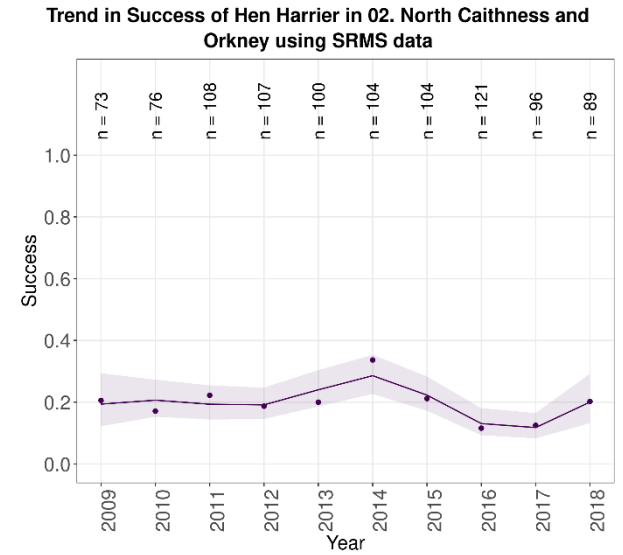
**Table 1:** Summary of SRMS trends for NHZ 02. North Caithness & Orkney during 2009-2018. Figures in parentheses indicate the annual change, with significant decreases highlighted in blue and non-significant changes highlighted in grey. ‘—’ indicates where the species occurs but no trend is available. ‘No SRMS data’ indicates where the SRMS does not hold any records for the region of interest. ‘Absent’ indicates where the species is not known to breed.

<b>Species:</b>	<b>Pairs</b>	<b>Success</b>	<b>Clutch size</b>	<b>Brood size</b>	<b>Number of fledglings</b>
Osprey	No SRMS data	No SRMS data	No SRMS data	No SRMS data	No SRMS data
Golden Eagle	Absent	Absent	Absent	Absent	Absent
Sparrowhawk	—	—	—	—	—
Goshawk	Absent	Absent	Absent	Absent	Absent
Hen Harrier	Non-linear	Non-linear	<b>Decrease <sup>r</sup> (-2.2%)</b>	Not significant <sup>r</sup>	—
Red Kite	Absent	Absent	Absent	Absent	Absent
White-tailed Eagle	—	—	—	—	—
Buzzard	—	—	—	—	—
Barn Owl	—	—	—	—	—
Tawny Owl	No SRMS data	No SRMS data	No SRMS data	No SRMS data	No SRMS data
Kestrel	<b>Decrease <sup>s</sup> (-14.8%)</b>	Not significant <sup>s</sup>	—	—	—
Merlin	Not significant	—	—	—	—
Peregrine	Not significant <sup>s</sup>	<b>Decrease <sup>s</sup> (-2.4%)</b>	—	—	—
Raven	—	—	—	—	—

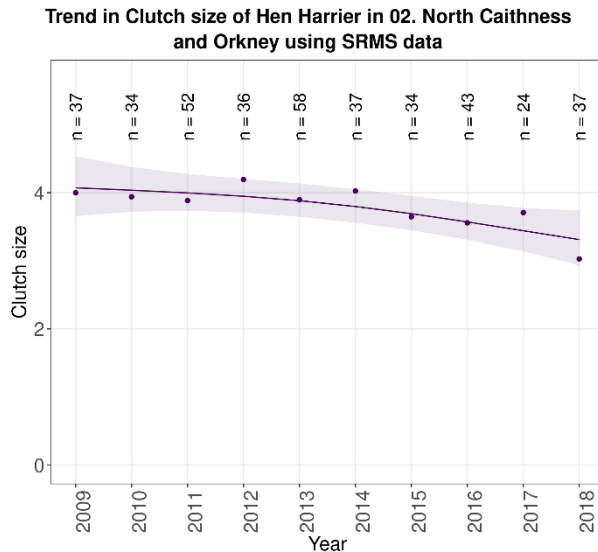
<sup>r</sup> No home range random effect, <sup>s</sup> Sample sizes small.



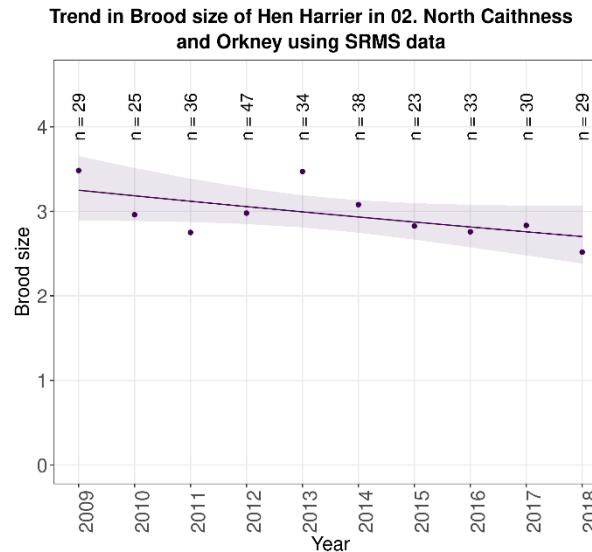
O2. North Caithness and Orkney trend: Non-linear



O2. North Caithness and Orkney trend: Non-linear (caveats: No home range random effect; )



O2. North Caithness and Orkney trend: Decrease (caveats: No home range random effect; )



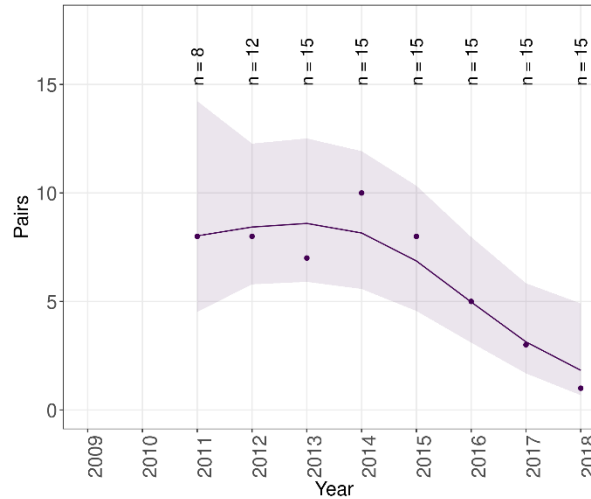
O2. North Caithness and Orkney trend: Not significant (caveats: No home range random effect)

No trend available for number of fledglings

**Figure 2:** Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Hen Harrier in NHZ O2. North Caithness & Orkney during 2009-2018.

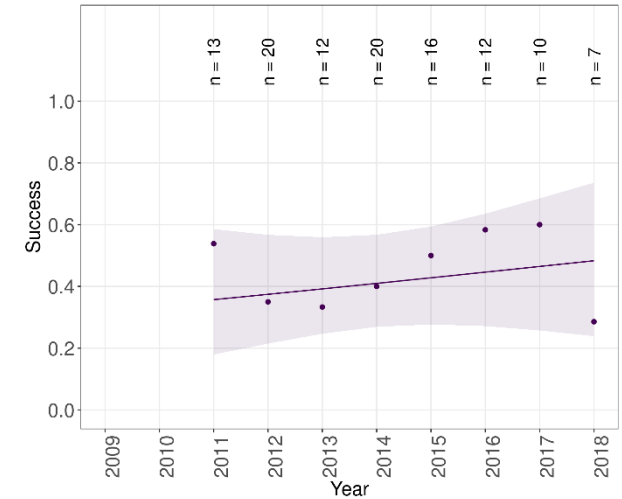


Trend in Pairs of Kestrel in 02. North Caithness and Orkney using SRMS data



02. North Caithness and Orkney trend: Decrease (caveats: Sample sizes small)

Trend in Success of Kestrel in 02. North Caithness and Orkney using SRMS data



02. North Caithness and Orkney trend: Not significant (caveats: Sample sizes small)

No trend available  
for clutch size

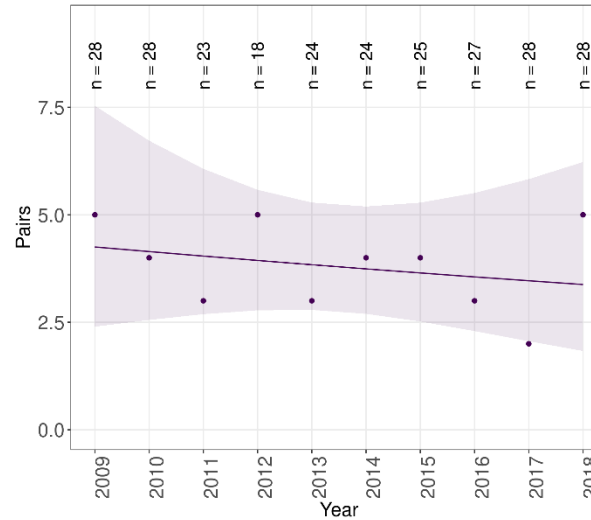
No trend available  
for brood size

No trend available  
for number of fledglings

**Figure 3:** Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Kestrel in NHZ 02. North Caithness & Orkney during 2009-2018.



Trend in Pairs of Merlin in 02. North Caithness and Orkney using SRMS data



02. North Caithness and Orkney trend: Not significant

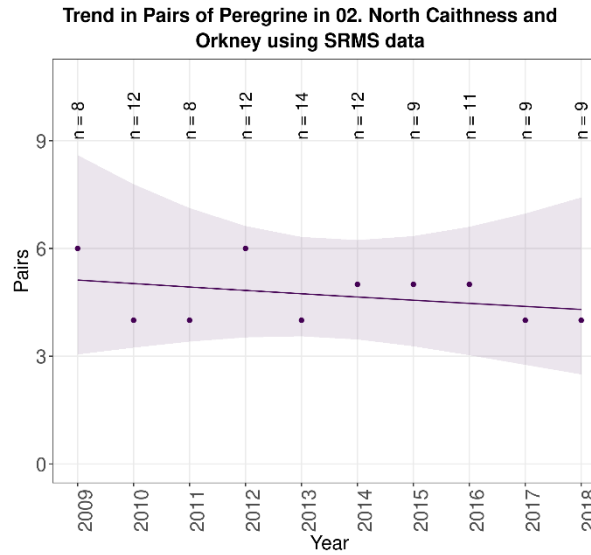
No trend available for breeding success

No trend available for clutch size

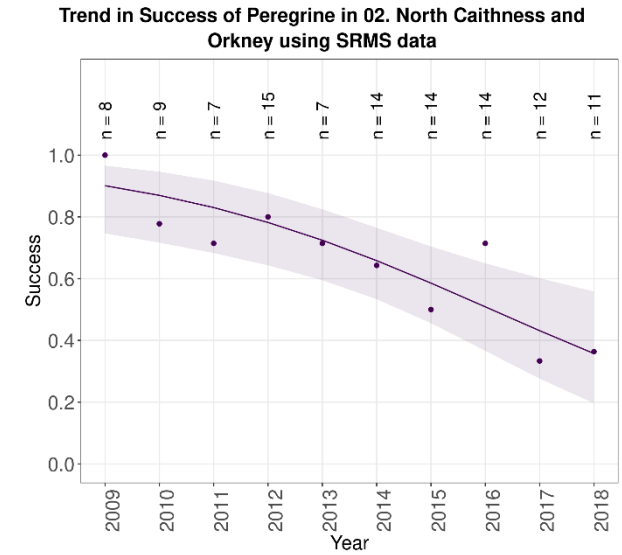
No trend available for brood size

No trend available for number of fledglings

**Figure 4:** Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Merlin in NHZ 02. North Caithness & Orkney during 2009-2018.



02. North Caithness and Orkney trend: Not significant (caveats: Sample sizes small)



02. North Caithness and Orkney trend: Decrease (caveats: Sample sizes small)

No trend available  
for clutch size

No trend available  
for brood size

No trend available  
for number of fledglings

**Figure 5:** Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Peregrine in NHZ 02. North Caithness & Orkney during 2009-2018.