NHZ 19. Western Southern Uplands and Inner Solway

Figure 1: NHZ 19. Western Southern Uplands and Inner Solway.

Trends in breeding numbers are available for four species and trends in breeding success for six of the 13species for which the SRMS holds records for NHZ 19. Western Southern Uplands and Inner Solway (Table 1).

Goshawk

No trend is available for the number of breeding pairs but breeding success showed non-linear variation. Trends are not available for clutch size or brood size but the number of fledglings showed no significant change (Figure 2).

Hen Harrier

The number of breeding pairs decreased significantly (-22.5%). No trends are available for breeding success, clutch size, brood size or the number of fledglings (Figure 3).

Red Kite

The number of breeding pairs increased significantly (+3.8%) while breeding success showed no significant change. Trends are not available for clutch size or brood size but the number of fledglings showed a significant decrease (-5.4%) (Figure 4).

Barn Owl

The number of breeding pairs decreased significantly (-5.9%) while breeding success showed non-linear variation. Clutch size, brood size and the number of fledglings all showed no significant change (Figure 5).

Peregrine

The number of breeding pairs and breeding success showed no significant change. Trends are not

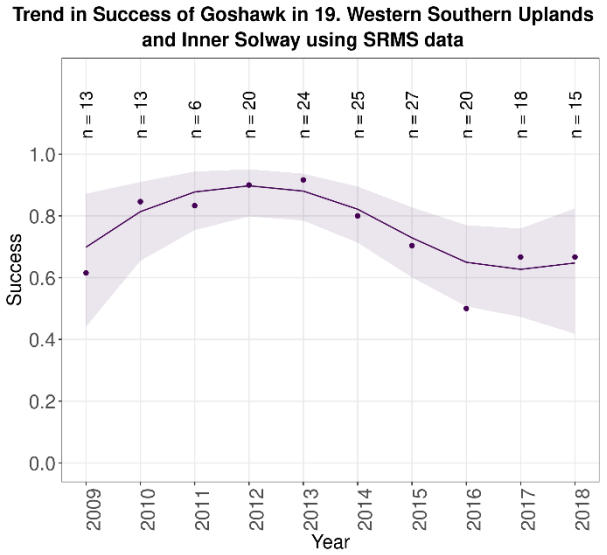
available for clutch size or brood size but the number of fledglings showed no significant change (Figure 6).

Table 1: Summary of SRMS trends for 19. Western Southern Uplands and Inner Solway during 2009-2018. Figures in parentheses indicate the annual change, with significant increases highlighted in green, significant decreases highlighted in blue and non-significant changes highlighted in grey. '—' indicates where the species occurs but no trend is available. 'Absent' indicates where the species is not known to breed.

Species:	Pairs	Success	Clutch size	Brood size	Number of fledglings
Osprey	—	—	—	—	—
Golden Eagle	—	—	—	—	—
Sparrowhawk	—	—	—	—	—
Goshawk	—	Non-linear	—	—	Not significant [rs]
Hen Harrier	**Decrease (-22.5%)**	—	—	—	—
Red Kite	**Increase (3.8%)**	Not significant [vx]	—	—	**Decrease [rx] (-5.4%)**
White-tailed Eagle	Absent	Absent	Absent	Absent	Absent
Buzzard	—	Not significant [rs]	—	—	—
Barn Owl	—	Not significant [n]	Not significant [nr]	Not significant [nr]	Not significant [n]
Tawny Owl	—	—	—	—	—
Kestrel	—	—	—	—	—
Merlin	—	—	—	—	—
Peregrine	Not significant	Not significant	—	—	Not significant [r]
Raven	**Increase [v] (4.9%)**	Not significant [r]	—	—	Not significant [rs]

[n] Nestbox based, [r] No home range random effect, [s] Sample sizes small, [v] Variable effort, [x] Expanding population.

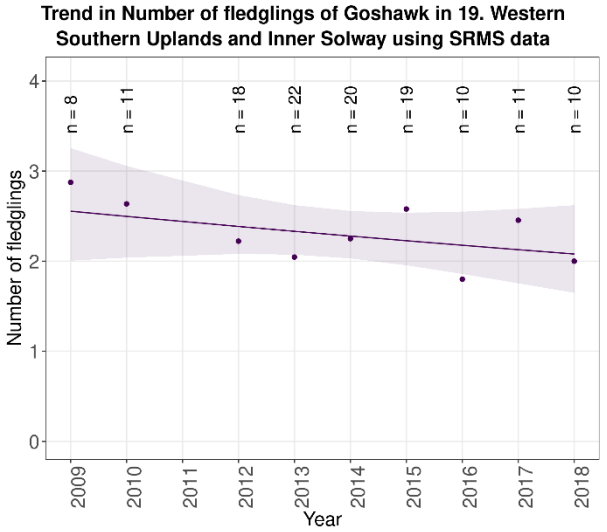
No trend available for breeding pairs



19. Western Southern Uplands and Inner Solway trend: Non-linear (caveats: Sample sizes small)

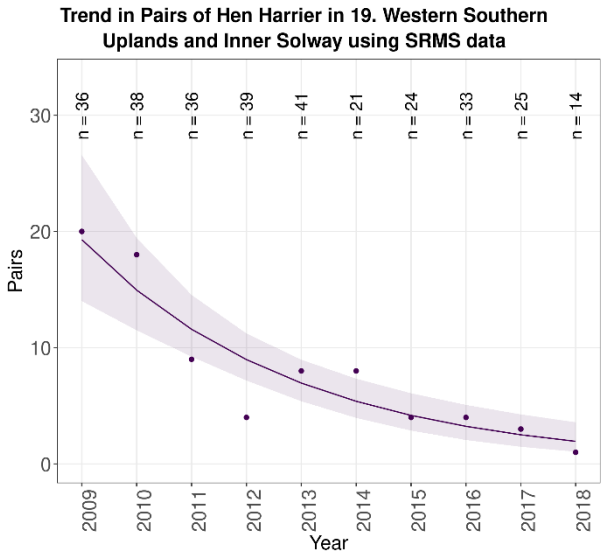
No trend available for clutch size

No trend available for brood size



19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Sample sizes small; No home range random effect)

Figure 2: Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Goshawk in NHZ 19. Western Southern Uplands and Inner Solway during 2009-2018.



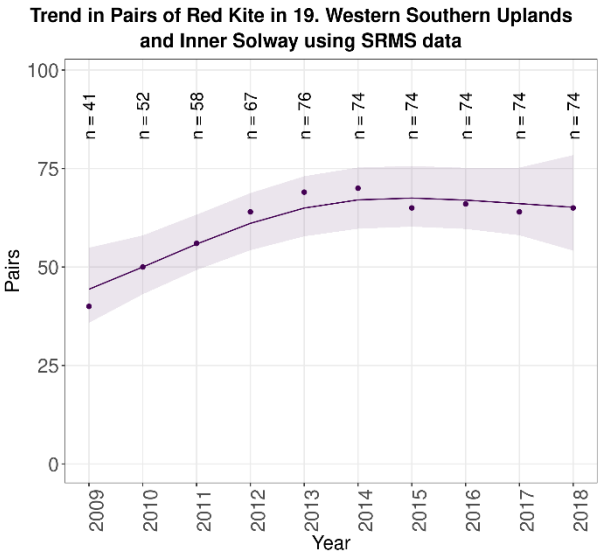
No trend available for breeding success

No trend available for clutch size

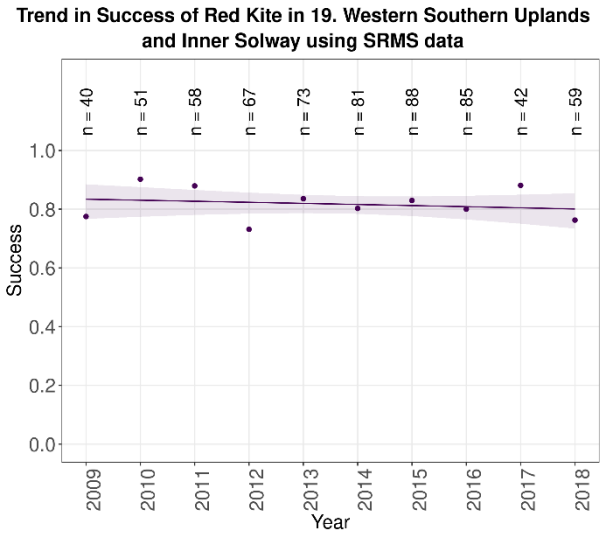
No trend available for brood size

No trend available for number of fledglings

Figure 3: Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Hen Harrier in NHZ 19. Western Southern Uplands and Inner Solway during 2009-2018.



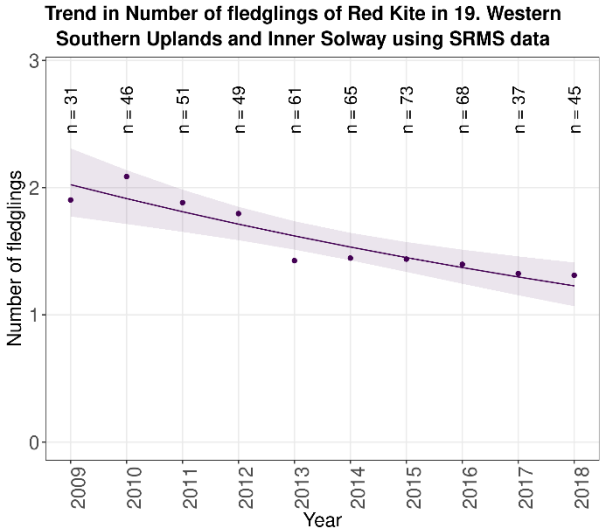
19. Western Southern Uplands and Inner Solway trend: Increase



19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Variable effort; Expanding population)

No trend available for clutch size

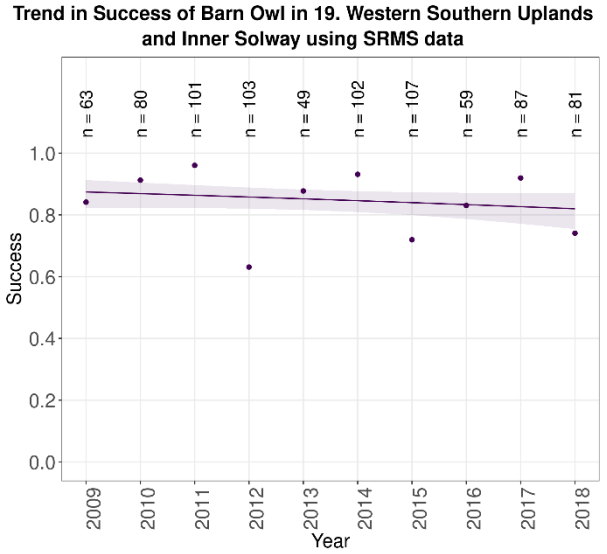
No trend available for brood size



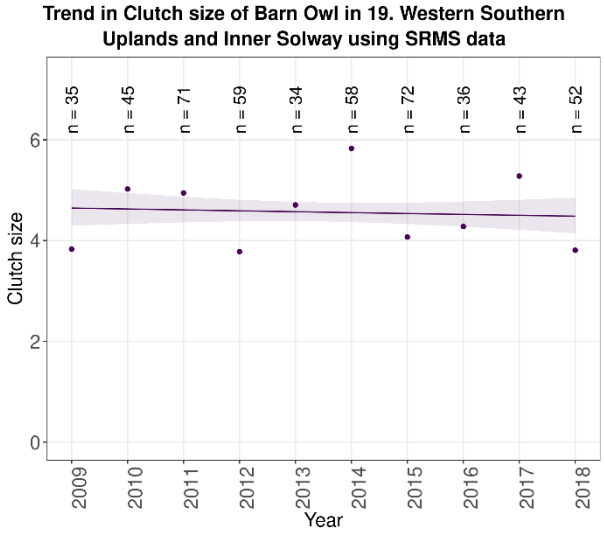
19. Western Southern Uplands and Inner Solway trend: Decrease (caveats: Expanding population; No home range random effect)

Figure 4: Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Red Kite in NHZ 19. Western Southern Uplands and Inner Solway during 2009-2018.

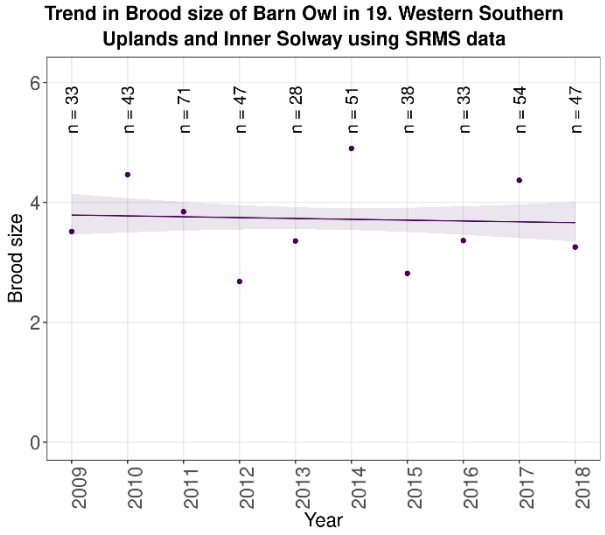
No trend available for breeding pairs



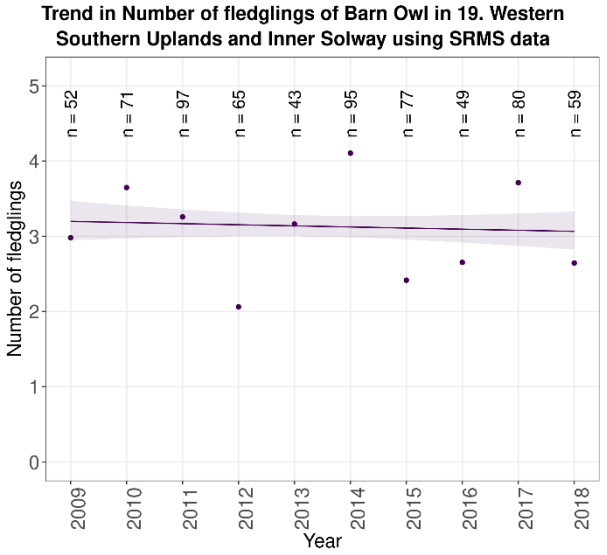
19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Nestbox based;)



19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Nestbox based; No home range random effect;)

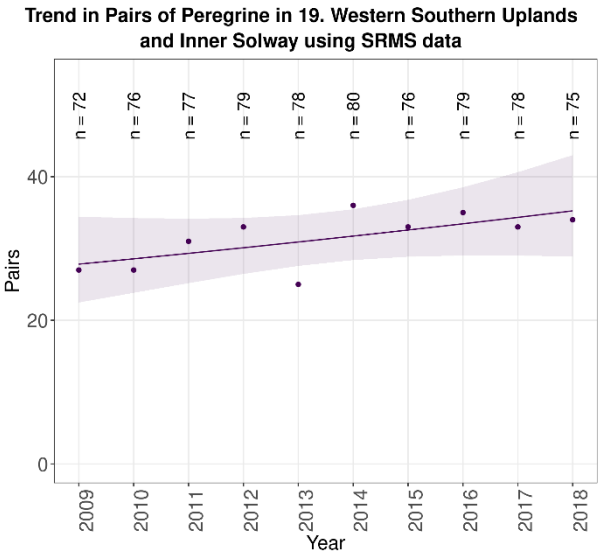


19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Nestbox based; No home range random effect;)

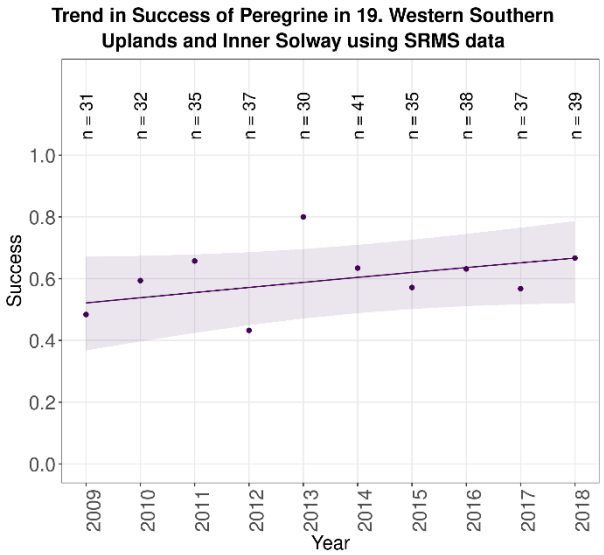


19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Nestbox based;)

Figure 5: Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Barn Owl in NHZ 19. Western Southern Uplands and Inner Solway during 2009-2018.



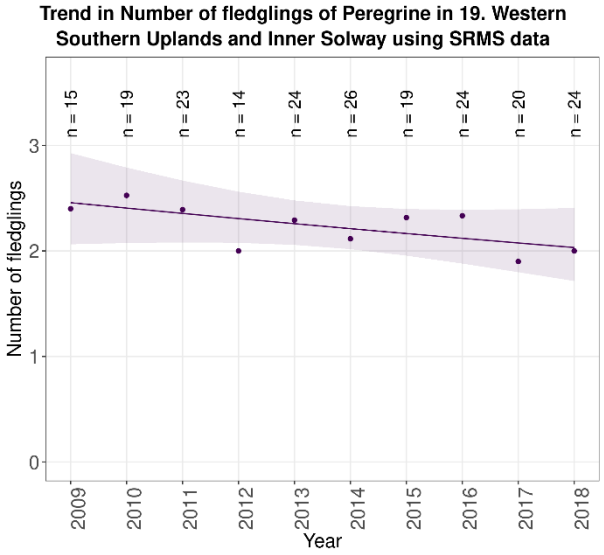
19. Western Southern Uplands and Inner Solway trend: Not significant



19. Western Southern Uplands and Inner Solway trend: Not significant

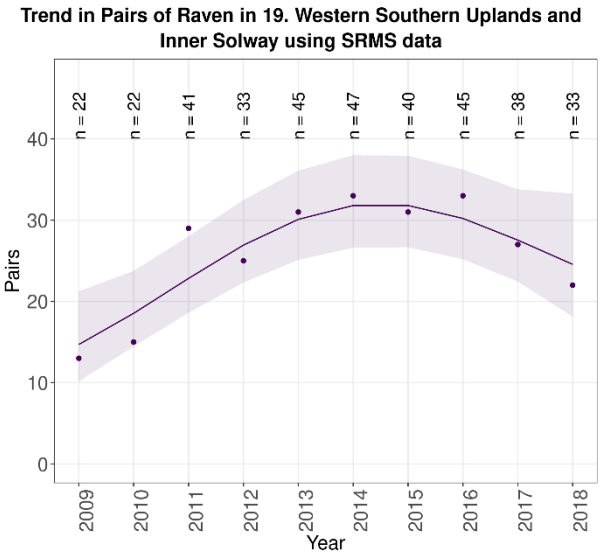
No trend available for clutch size

No trend available for brood size

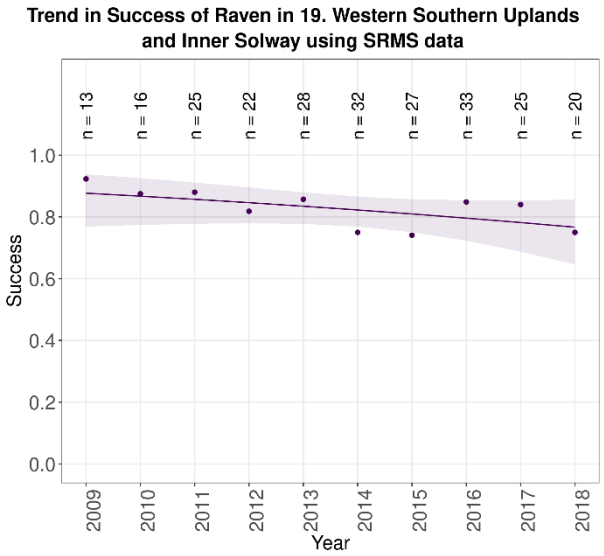


19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: No home range random effect)

Figure 6: Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Peregrine in NHZ 19. Western Southern Uplands and Inner Solway during 2009-2018.



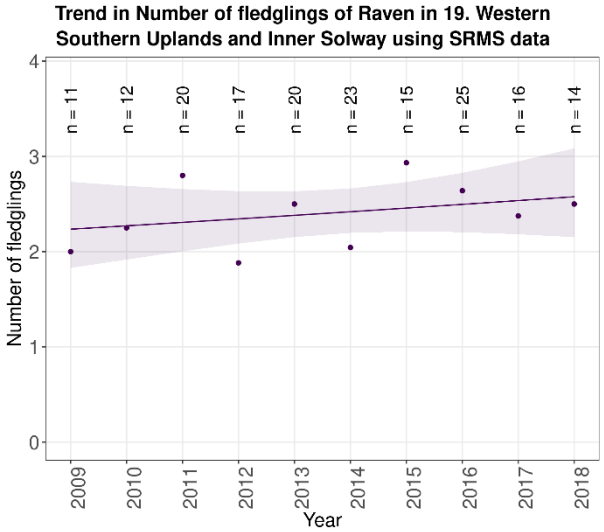
19. Western Southern Uplands and Inner Solway trend: Increase (caveats: Variable effort)



19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: No home range random effect)

No trend available for clutch size

No trend available for brood size



19. Western Southern Uplands and Inner Solway trend: Not significant (caveats: Sample sizes small; No home range random effect)

Figure 7: Trends in breeding pairs, success, clutch size, brood size and the number of fledglings of Raven in NHZ 19. Western Southern Uplands and Inner Solway during 2009-2018.