

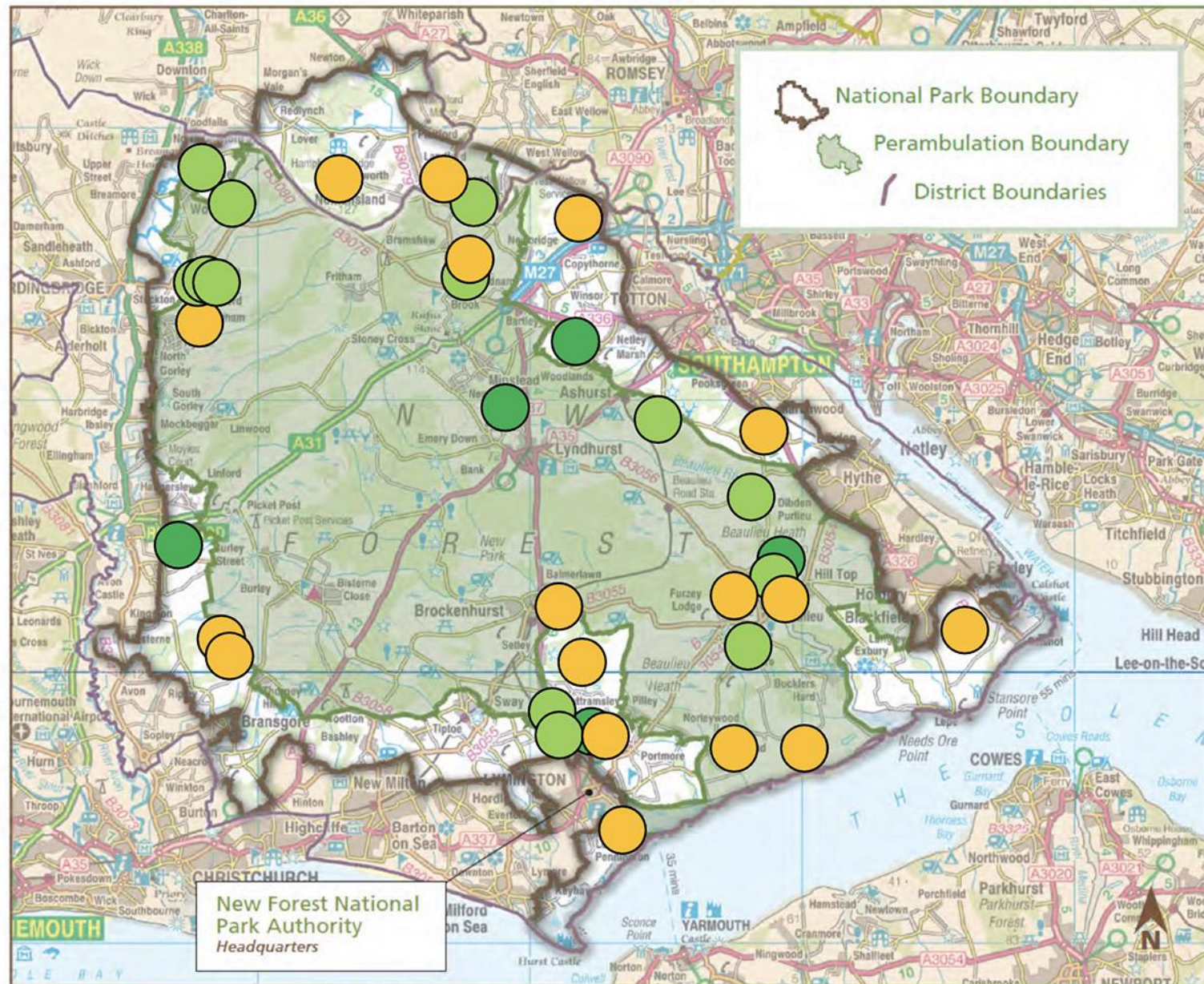
Species Survival Fund - ecological survey results

Prof Russell Wynn

Wild New Forest



Wild New Forest ecological survey and monitoring sites on private land (2023-25)



- 2023 completed
- 2024 completed
- 2025 in progress

Species Survival Fund - ecological survey rationale and methods

- Assess efficacy of management interventions (hopefully increased biodiversity)
- Minimise negative impacts on existing priority habitats and species
- General walkover surveys to record all animals, plants, and fungi
- Semi-quantitative surveys for insects and flora at some sites (DAFOR scale)
- Trail cameras to capture diurnal and nocturnal mammal and bird activity
- Fungi recording including DNA analysis of interesting specimens by HFRG
- ✓ 130 field hours across ten sites between May and November 2024
- ✓ Pragmatic approach required to meet project and budgetary requirements
- ✓ Particular focus on priority species, i.e. nationally rare and scarce

Species Survival Fund - ecological survey results

- 860 species of animal, plant, and fungus identified across the ten survey sites
- 370 animal, 260 plant, and 225 fungi species
- <5% of total species diversity in New Forest National Park!
- 150 records of 36 priority species
- Many of these priority species are relatively common and widespread in the NF
 - *Goshawk, Firecrest, Crossbill*
 - *Wood Cricket, Woodland Grasshopper, Raft Spider*
 - *Lesser Spearwort, Marsh Pennywort, Tormential*
 - *Hydropus floccipes, Laxitextum bicolor*

Case Study 1



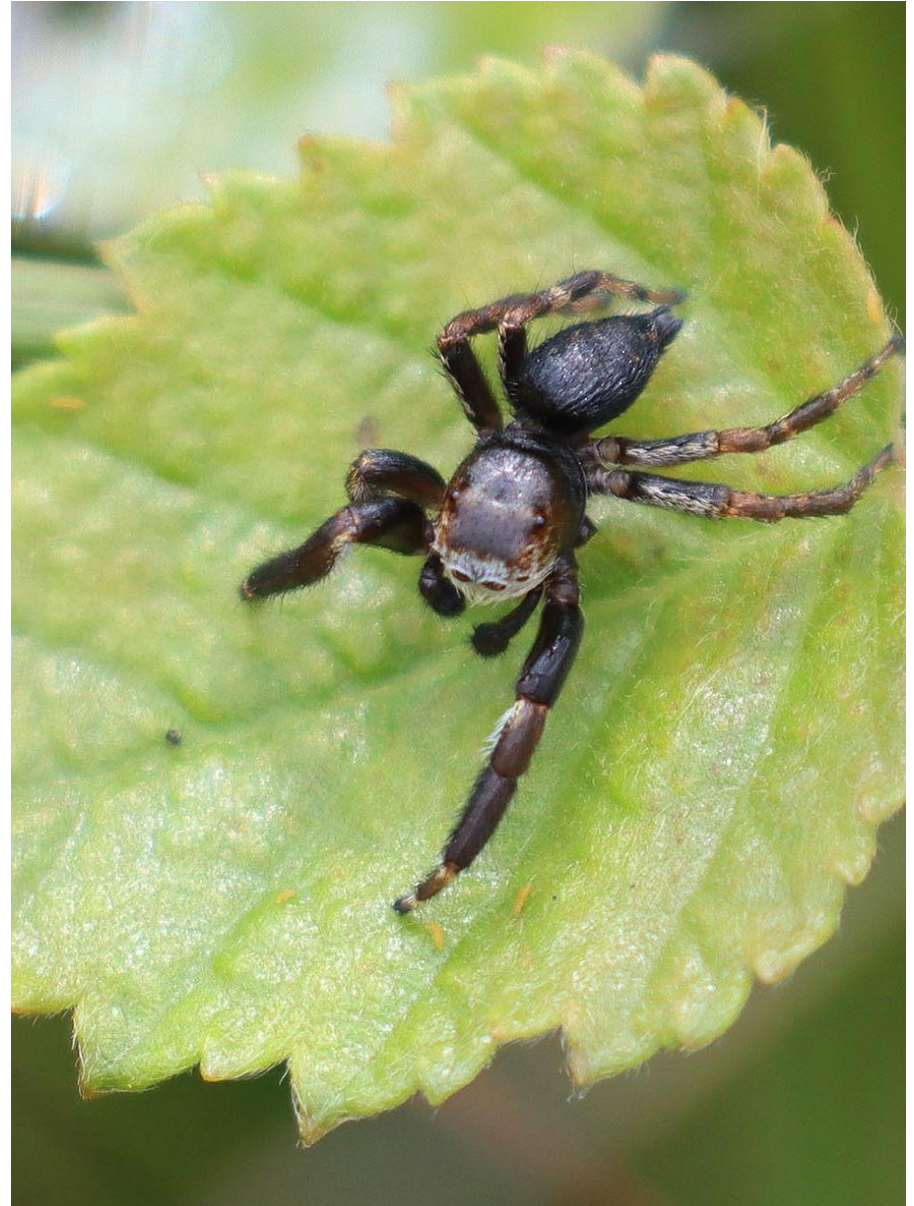




Raft Spider



Bowed Jumping Spider





Case Study 2

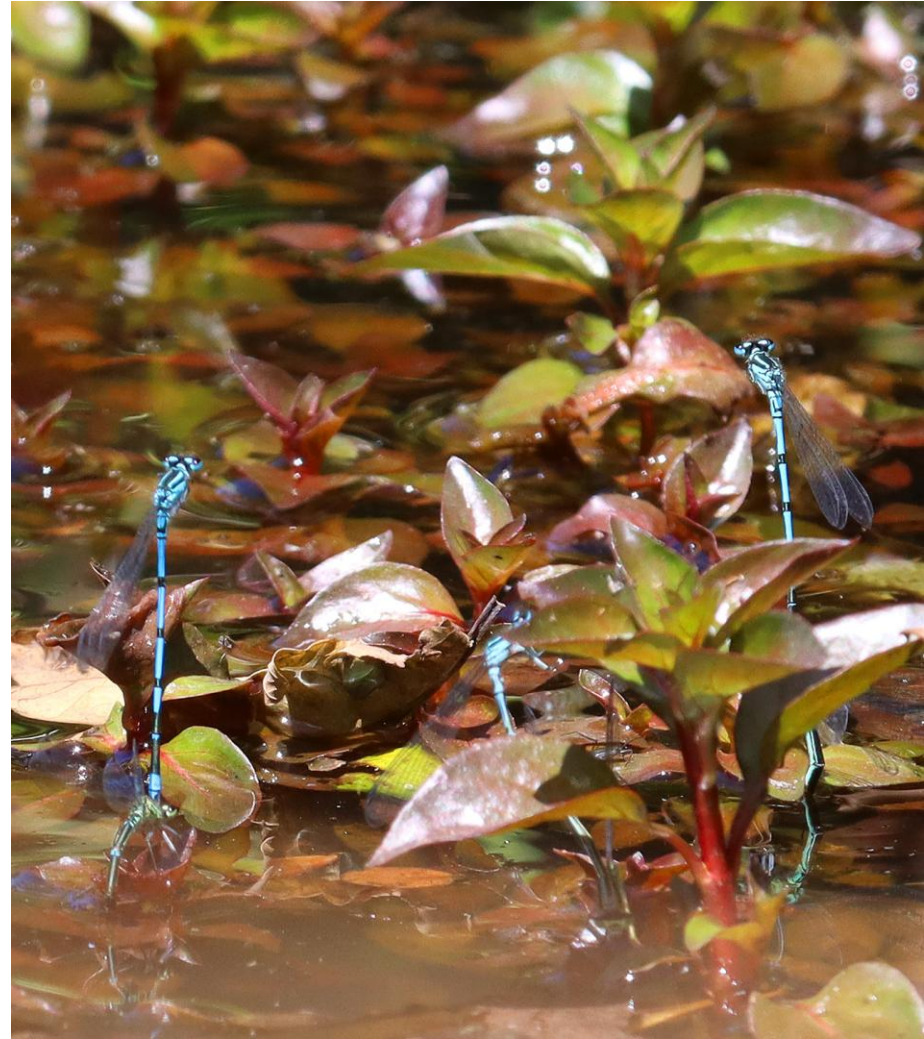




Willow Emerald Damselfly



Azure Damselflies



Sika Deer stag



Goshawk



29.07 inHg ↓ 13°C 09/26/2024 05:36PM CAMERA 1

Goshawk



30.15 inHg - 8°C 11/09/2024 10:55AM CAMERA 1

Case Study 3



Bog-myrtle



Bog Moss (Sphagnum)









29.83 inHg ↓



16°C



08/21/2024

07:29PM

CAMERA 1



29.99 inHg ↓



13°C



10/28/2024

06:04PM

CAMERA 1





Muntjac Deer eating fungus



30.25

inHg ↑



8°C



11/06/2024

08:51AM

CAMERA 1

Case Study 4



Species Survival Fund - concluding remarks

- Degraded habitats at most sites due to non-native species or changing management
- However, pockets of high-quality habitat holding priority species remain
- Management interventions being delivered at several sites in winter 2024/25
- Follow-up surveys to be conducted in 2025, as well as surveys of new sites
- NFBF is contributing 20 days pa for WNF to deliver post project monitoring in 2026-28
- Thanks to all landowners and project partners for their support!

