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BACK ON OUR MAP



Case Studies in Species Restoration

Heather Marples and Mic Mayhew



CONSERVATION WITHOUT BORDERS

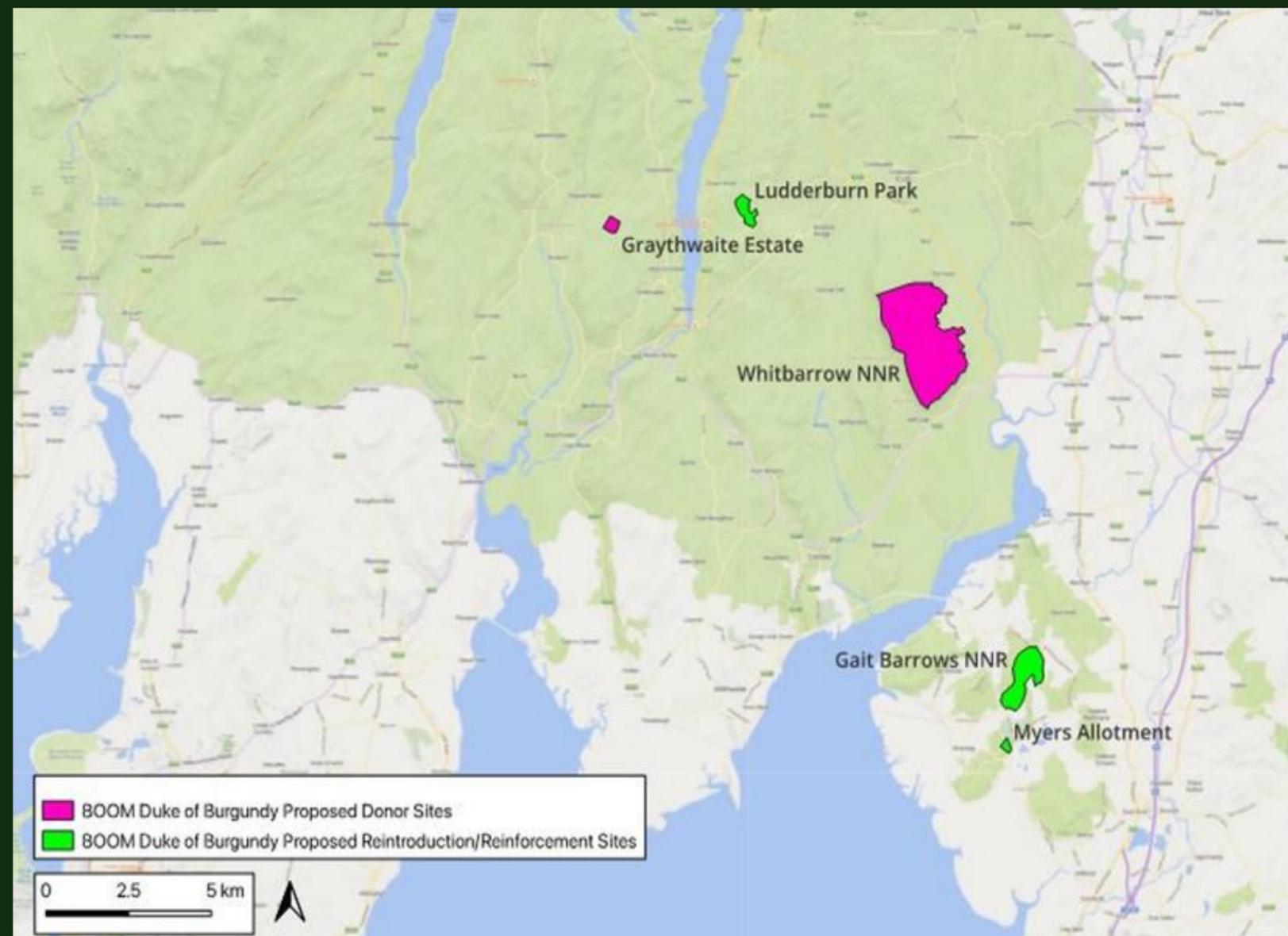
- Private/public land
- Protected/unprotected
- Farming/conservation
- Skilled/unskilled
- Accessible/not accessible
- Urban/rural



AN INCLUSIVE VISION OF SPECIES RECOVERY AT
LANDSCAPE SCALE by overcoming barriers to
engagement

DUKE OF BURGUNDY

The aim of the DOB project was to work with local communities and key partner organizations to reinforce existing DOB populations in South Cumbria and create new satellite populations to expand the geographic range and metapopulation structure of the species.



DUKE OF BURGUNDY

- Collected population and habitat data from donor and recipient sites 2021/22/23
- Refined captive breeding methods and reinforced priority site on Graythwaite estate (2021: n=9; 2022: n=30)



DUKE OF BURGUNDY

- Propagated over 4,000 cowslip and primrose plants to reinforce larval foodplants at priority sites
- Supported Butterfly Conservation and Natural England with winter work parties



PINE MARTEN

Aims

- To recover pine marten populations in south Cumbria using translocation methods to expand the metapopulation structure as part of a coordinated national effort to restore the species.

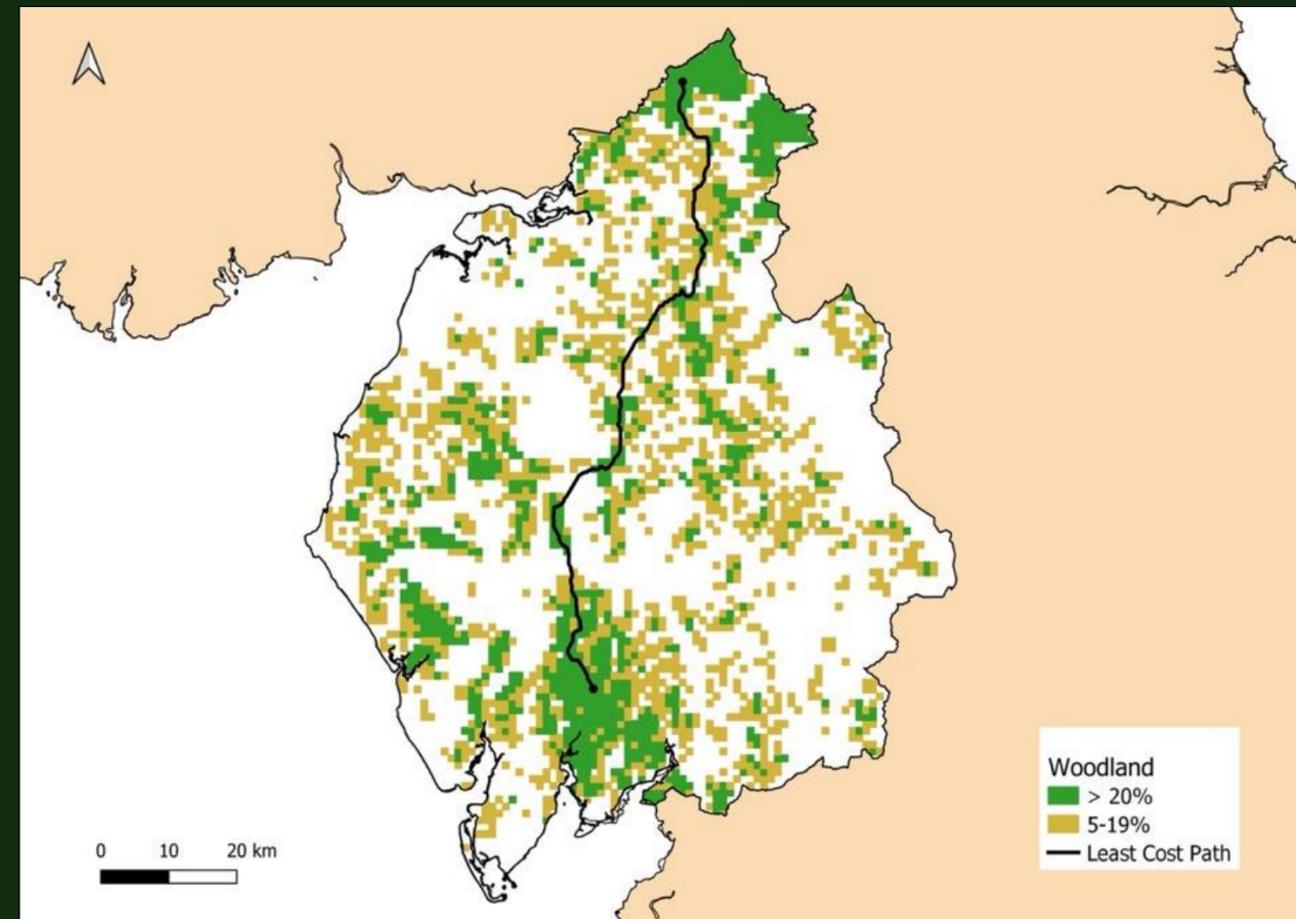
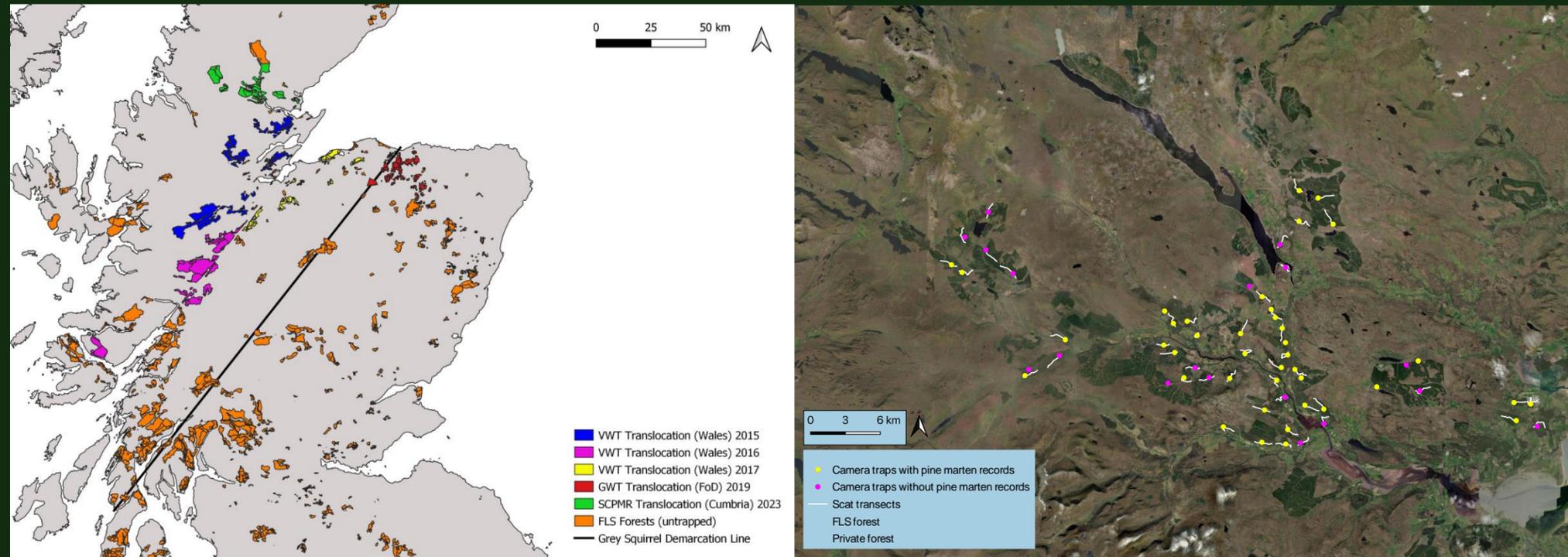


PINE MARTEN

Methods

Multidisciplinary cross-border partnership which completed feasibility and preparatory works for a translocation, culminating in a licence submission in May 2023.

- Field work
- Community consultation
- Modelling and mapping
- Risk assessment



Minimum population estimates using the baited T-sniffer



PINE MARTEN

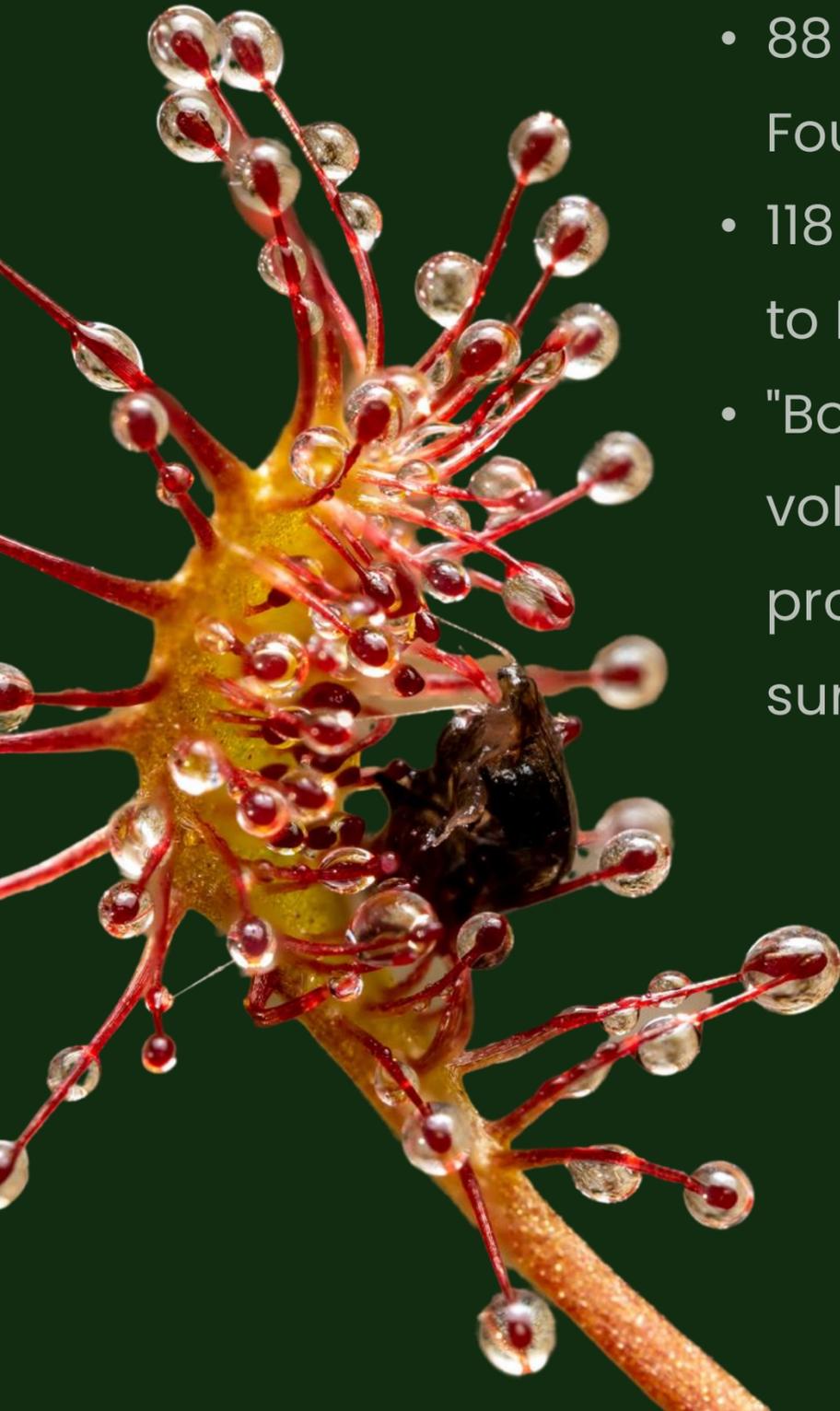
Outcomes

- Changed rural perceptions
- Galvanised regional stakeholder support
- Paved the way for translocation in 2024?
- Challenged the statutory agencies



SUNDEWS

- 88 Great sundews introduced to Foulshaw Moss
- 118 Oblong-leaved Sundews introduced to Foulshaw and Meathop Mosses
- "Bog in a Box" Initiative helped volunteers get involved with the propagation and planting of the sundews



GREEN-WINGED ORCHID

- Kew Gardens identified the mycorrhiza species from the orchid's roots (*Tulasnella*)
- 1000 plants were germinated by Kew and planted out in 2021.
- 200 plants germinated at UoC Fusehill Campus following germination training from Kew



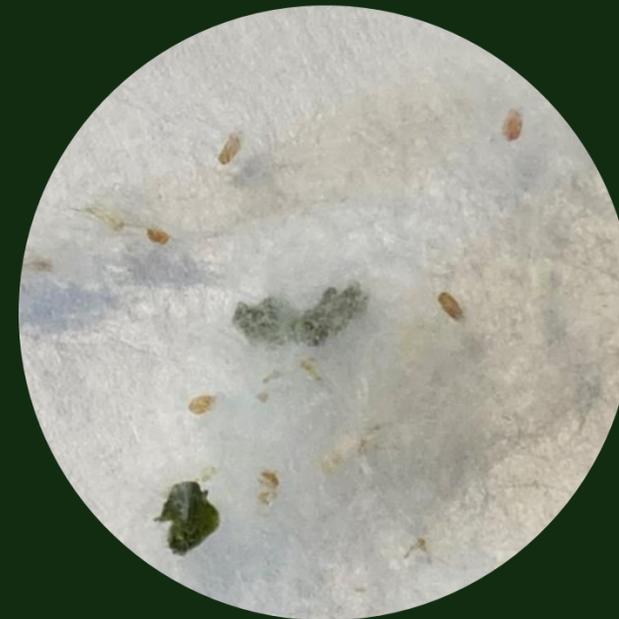
MAIDENHAIR FERN

- 48 ferns were planted in 2 locations
- Dedicated and specialist volunteers
- Ferns that have been planted have produced spores



ASPEN

- Mapped the known aspen stands in south Cumbria
- Collected roots from 22 individual clones for softwood cuttings
- Grown 300 saplings from seed
- Carried out monitoring of survival rates, tree guard protection success, and growth rates
- Planted 4000 trees with various community groups



COMMUNITY TREE PLANTING

- Over 300 volunteers have helped us plant over 4000 trees across 50 locations
- We've worked with schools, young people from Beaumont College, Mind in Furness and students from the University.
- We have planted aspen classrooms and will be planting a new school forest in Kendal this winter...

“To give wildlife a home and always have something to look back on and revisit is magical”



COMMUNITY ENGAGEMENT

- 200 young people have worked with us (soon to be 400 after our winter tree planting events)
- More than 150 regular volunteers have given 10,000 hours of time
- Over 300 community engagement and volunteering events
- 10 people achieved level 1 horticulture
- 9 volunteers gained a dormouse handling license
- 61 students have lent a hand







THANK YOU

