The CAFRE Journey to better biodiversity on the Hill Farm







Department of

Agriculture, Environment and Rural Affairs















College of Agriculture, Food & Rural Enterprise

Agricul and residue transfer Sustainability at the heart of equal and price active landscape valued by even alion higher.













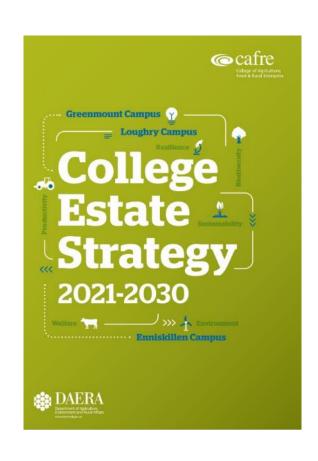
CAFRE Technologist





College Estate Strategy



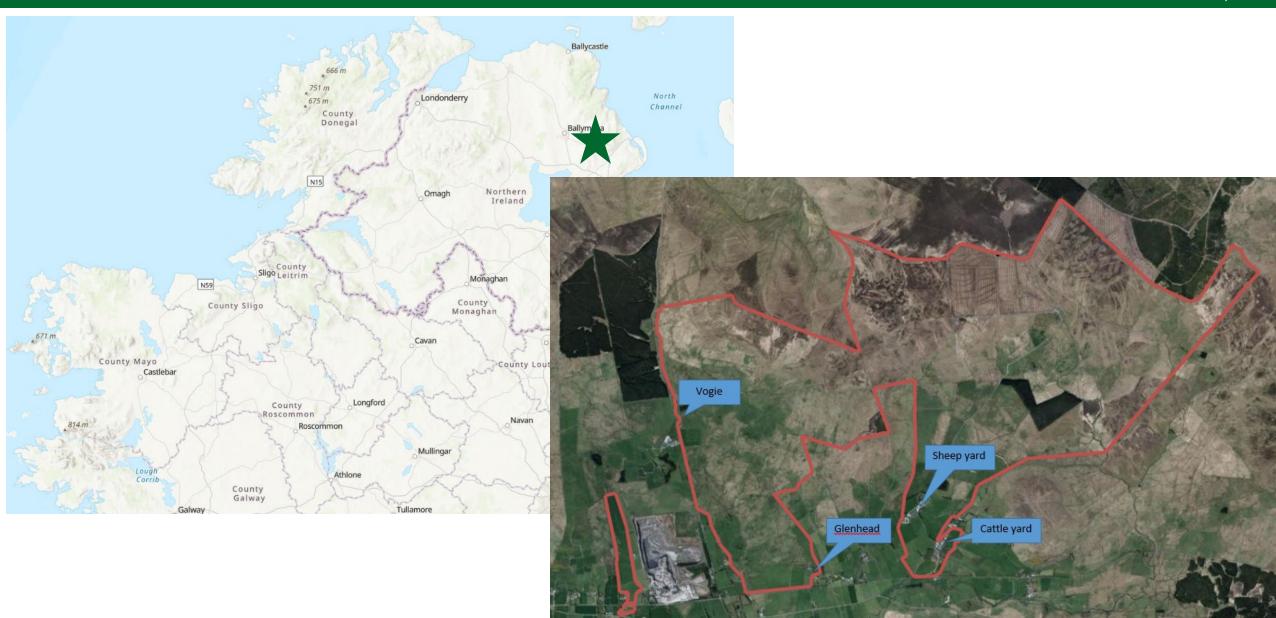


CAFRE Estate Strategy Targets

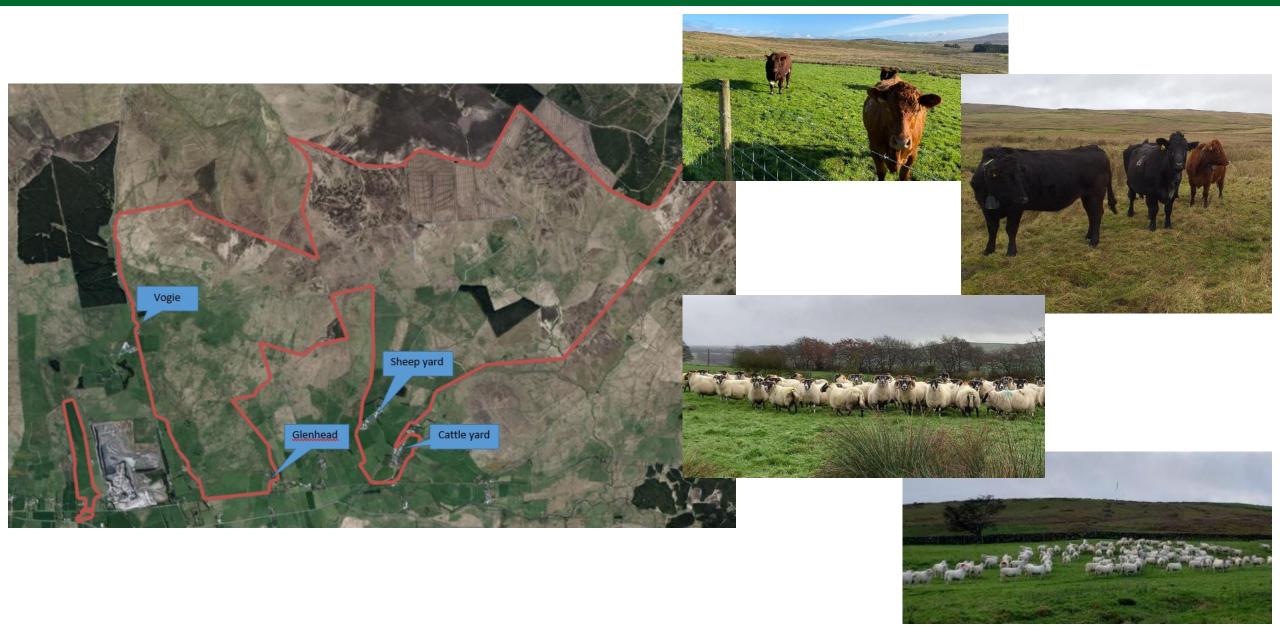
- 1 CAFRE to be 50% Carbon Neutral by 2030
- 2 Eliminate the use of peat in horticulture by 2025
- CAFRE air quality to not impact on local habitats and health by 2030
- 4 Reduce anti microbial usage by 95% by 2030

- 5 CAFRE water to be of "Good" quality status by 2030
- 6 CAFRE productive land to be in "Good" soil health status by 2030
- 7 Eliminate CAFRE land fill waste by 2025
- 8 CAFRE habitats to be in favourable condition by 2030





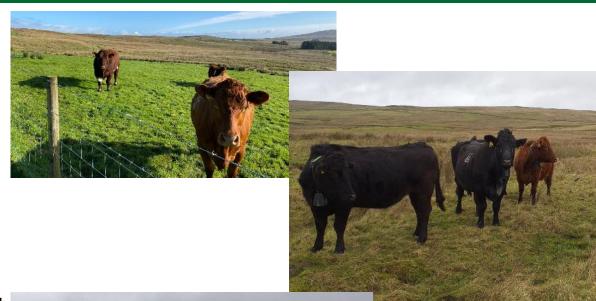






Herd Performance	Herd three-year Average
Number of Cows to Bull	112
Scanning %	94
Calving Index	371
Cow Weight (kg)	638
Calf Birth Weight (kg)	35.2

Flock performance	Three-year average	
	Hill Flock	Upland flock
No. of ewes to the ram	349	758
Scanning %	1.48	1.81
Ewe weight (kg)	54.9	64.5
Lamb Wean weight (kg)	27.6	29.95
Kg lamb/Kg ewe mated.	0.63	0.86









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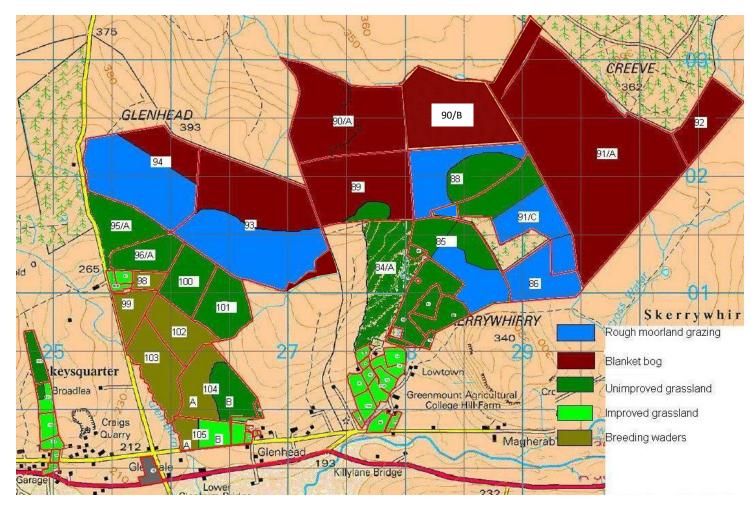
Hill sheep have an important environmental role













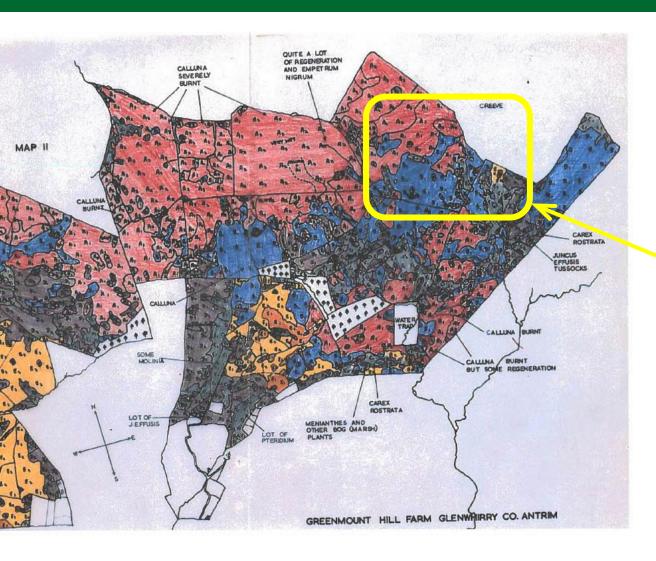






History of the Hill Farm







Glenwherry Hill Regeneration Partnership

















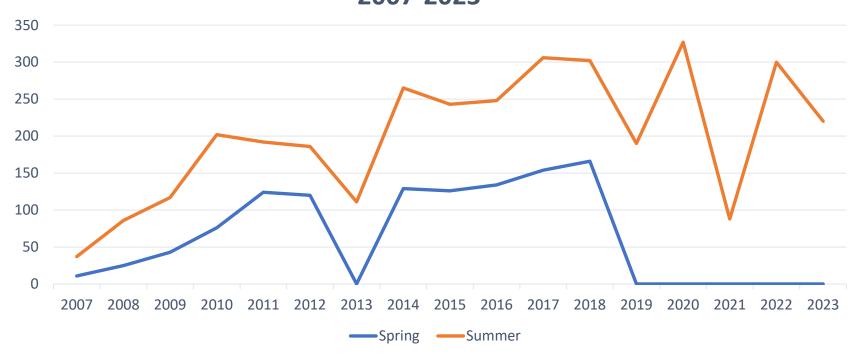
Red Grouse





The Irish Grouse Conservation Trust

IGCT SPRING/SUMMER GROUSE COUNT 2007-2023







Snipe



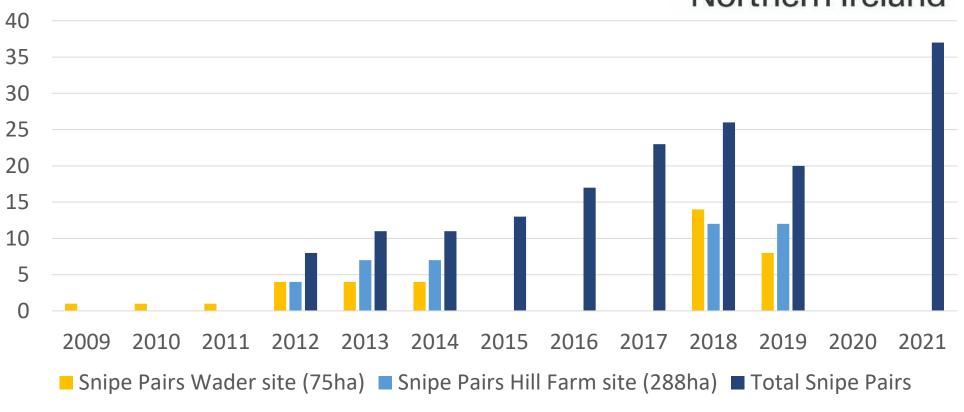






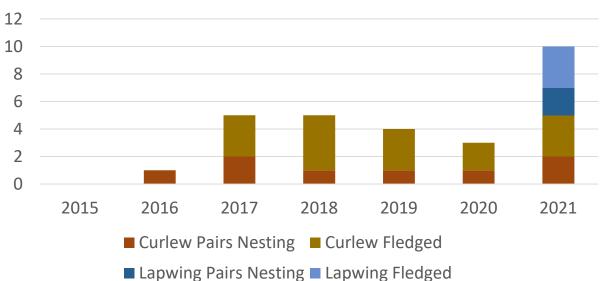




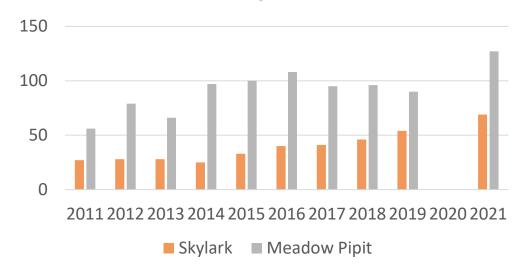




CAFRE Hill Curlew & Lapwing 2009-2021



CAFRE Hill Skylark & Meadow Pipit 2011-2021



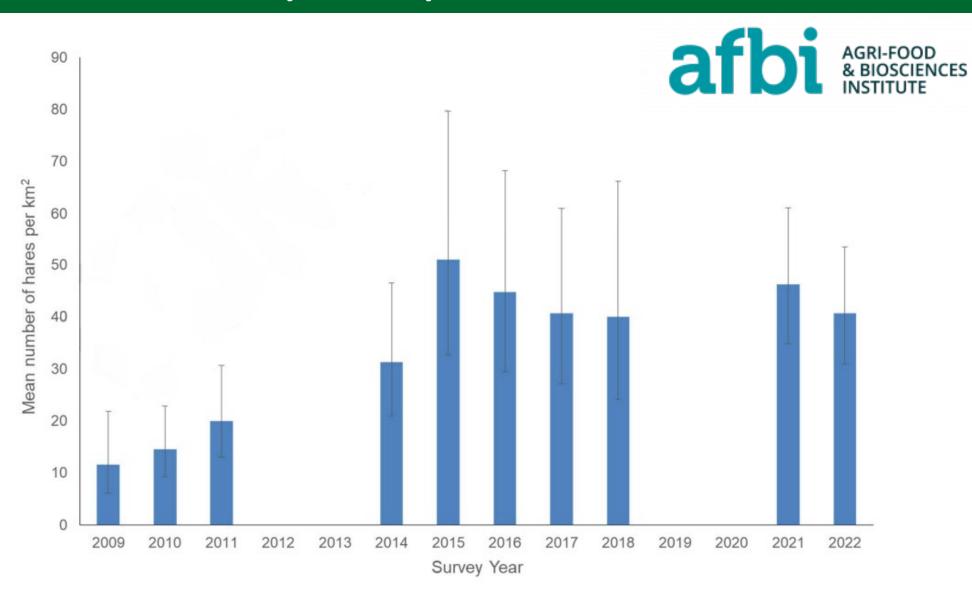






Mean density estimates for Irish hares in Glenwherry study site









Photos. I. Montgomery

Technologies to increase Biodiversity

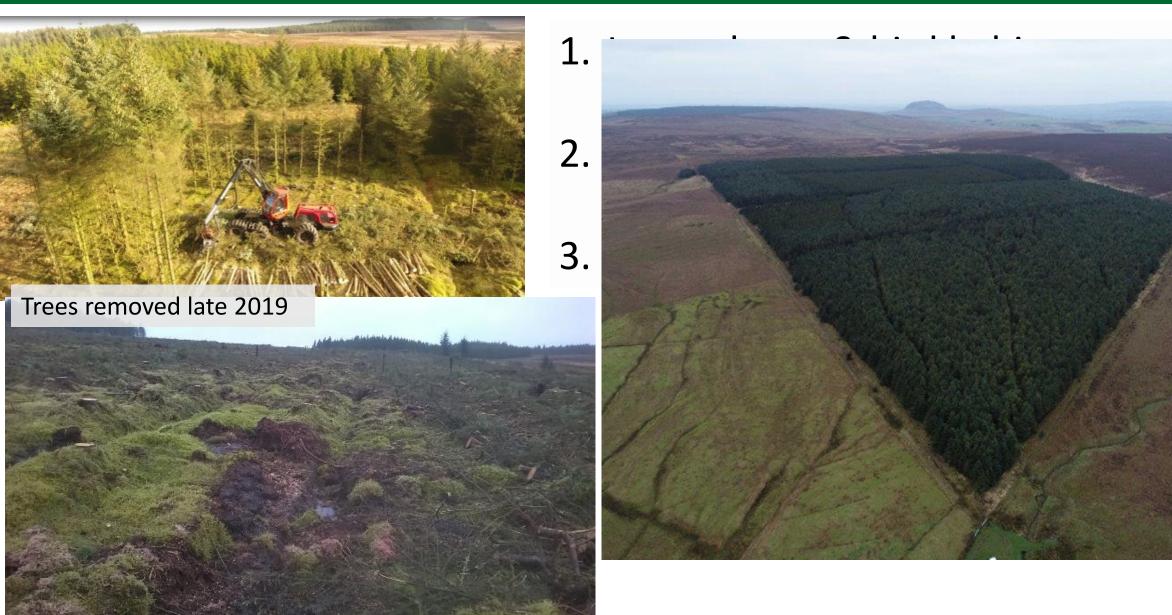






Forest to Bog

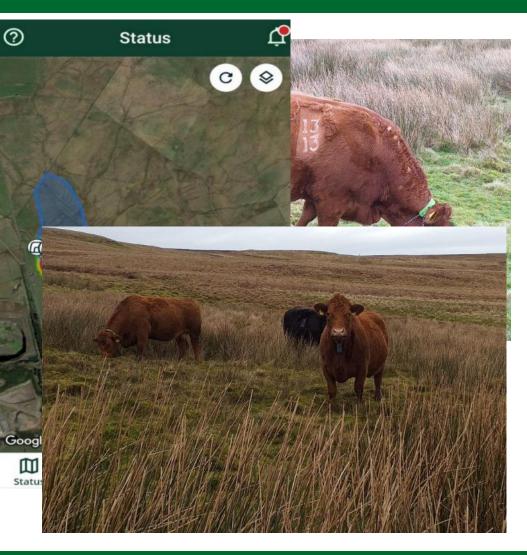


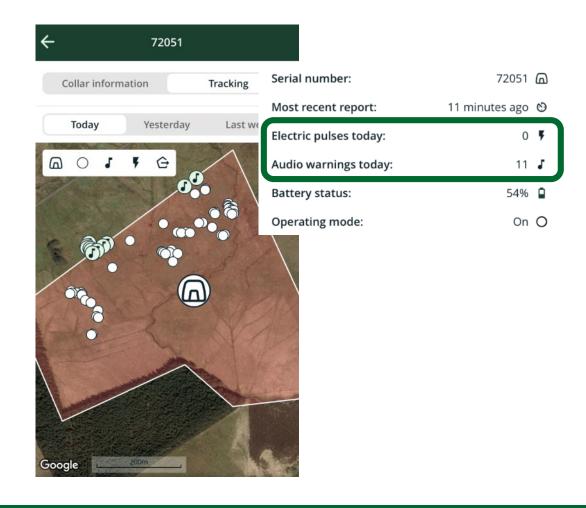




Virtual Fencing









Virtual Fencing







Water Resource



Challenges



- Heavy resource
- Sensitivity of publicizing and promoting the work
- Compromise





Thank-you for listening!

Nicola Warden

Senior Biodiversity Technologist, CAFRE

