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Extent of native woodland on former open hill areas

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Ecological condition of peatland and non-woodland habitats

3

Diversity and structure of Corroun forest

4

Health of freshwater environment

5

Health of keystone and indicator species

Corroun Ecosystem Health Indicators Dashboard



Extent of native woodland on former open hill areas

Overview

Tree seedling quadrats



Natural regeneration at Forestry Grant Scheme areas



Open hill regeneration transects



Browsing level as

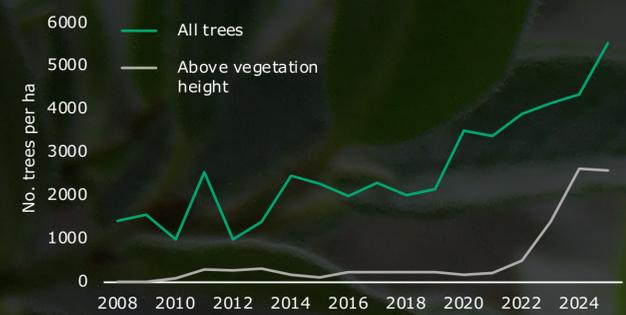


Open hill survey at Old Corrou

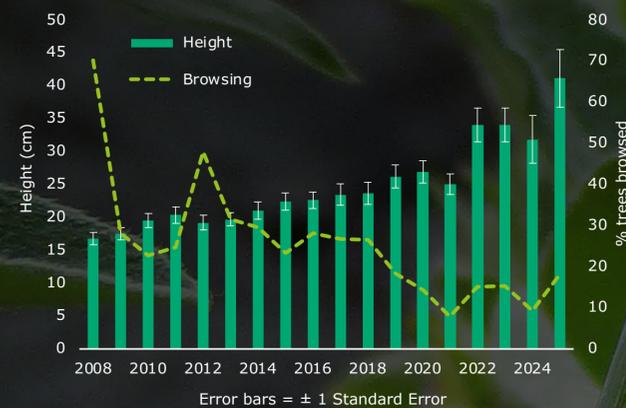


Tree seedling quadrats

Seedling density per ha in open hill tree transects



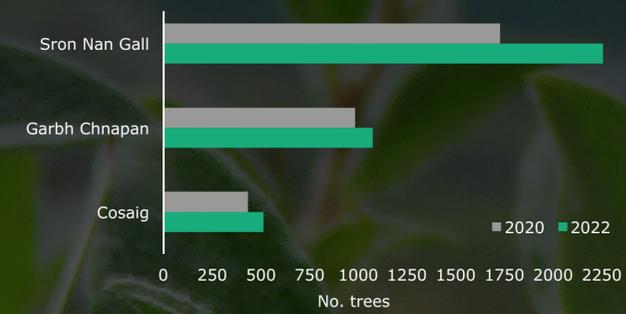
Mean marked tree heights in relation to browsing



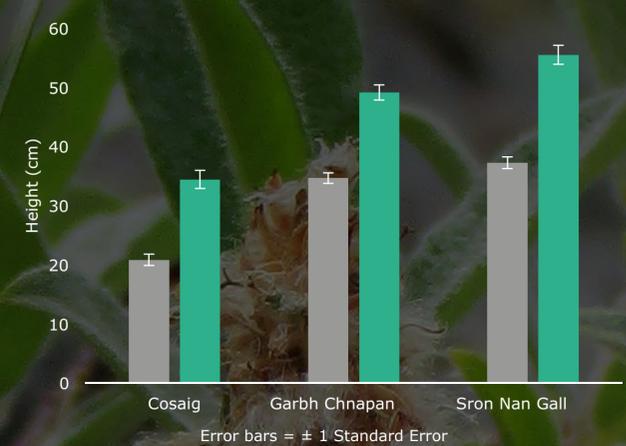
Target = Increasing

Natural regeneration at Forestry Grant Scheme areas

Trees per ha



Mean tree height



Target = Increasing

Open hill regeneration transects

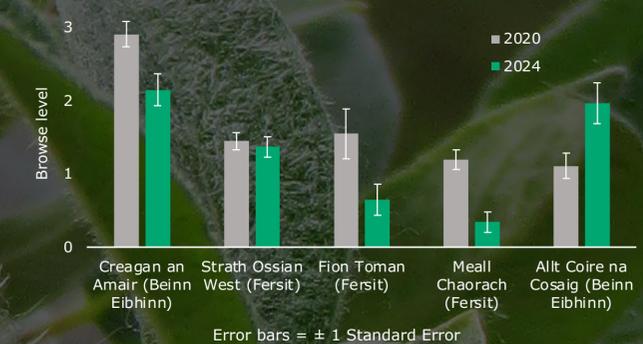
Trees per ha by transect



Mean tree height by species



Mean tree browsing by transect



Target = Increasing density and height, decreasing browsing

Open hill survey at Old Corrou

2019: 171 trees



Target = Increasing (except Sitka)



Ecological condition of peatland and non-woodland habitats

Overview

Peatland restoration

Restoration management

(reprofiling and rewetting using a digger) has been actioned at four sites on the open hill

an area totalling 888 ha



Herbivore Impact Assessment across all open hill habitat types



NVC survey was carried out in 2018

330



HIA plots, spread evenly across the open hill, and within seven habitats

Condition of habitat monitoring plots

Number of plots:

34

blanket bog



48

dwarf shrub

Set up using the protocol in the **Best Practice Guides** on Habitat Impact Assessment



Area of rare habitats of conservation interest

Tall herbs, Calcareous grassland and Snowbeds cover approximately

135

ha across the open ground of the Corrour Estate

Tall herb habitat condition

New monitoring

set up in Strath Ossian in 2021



Transects

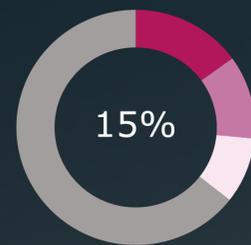
running downhill from the cliffs spaced 30m apart



Peatland restoration

Total area for peatland restoration = 5914ha

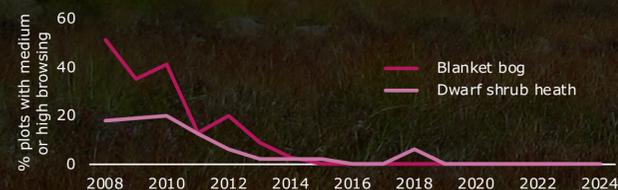
- Restoration management actioned
- Restoration pending
- Feasibility study pending
- Not yet in restoration management



Target = 100% restored

Condition of habitat monitoring plots

Heather browsing



Deer dung

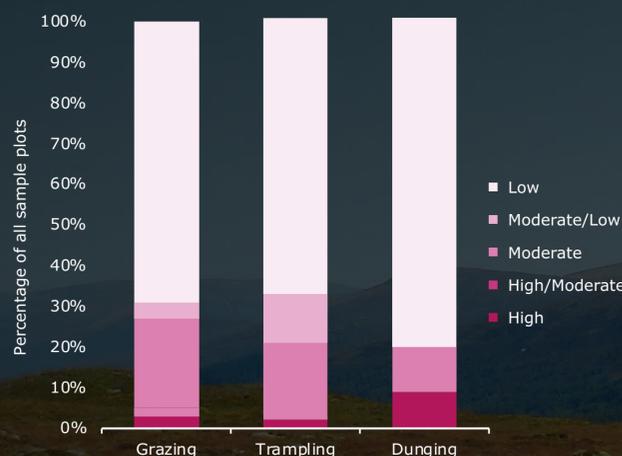


Target = Stable or improving

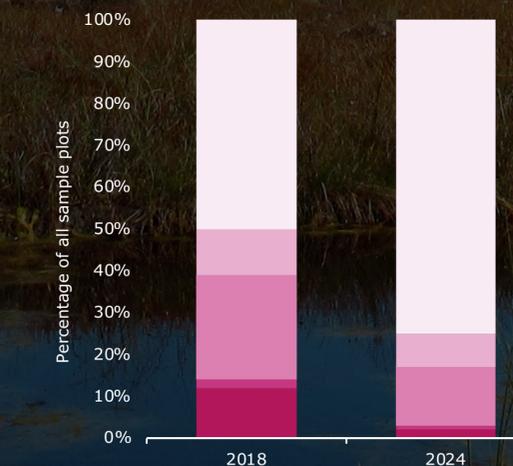
Herbivore Impact Assessment across all open hill habitat types

2024 Herbivore Impact Assessment across all habitat types

Monitoring frequency: 6 years



Median overall Herbivore Impact Assessment



Target = 90% low impact

Area of rare habitats of conservation interest (2018 NVC survey)

2018 NVC survey

Monitoring frequency: 10+ years



Target = Stable or increasing

Tall herb habitat condition

Strath Ossian tall herb cover



Tall herb flowering & richness



Target = transition to tall herb habitat



Overview

Peat restoration area



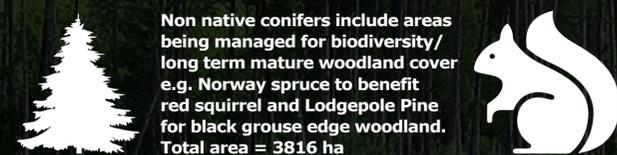
Peat restoration vegetation monitoring



Inverlair Planted Woods on Ancient Woodland sites (PAWS)



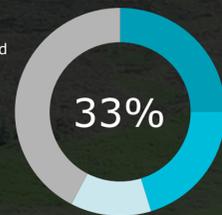
Long Term Forest Plan



Peat restoration area

Peatland restoration area = 621ha

- Tree clearance and rewetting works completed
- Tree clearance completed
- Tree clearance planned for 2023
- Feasibility study complete



Target = 100% restored

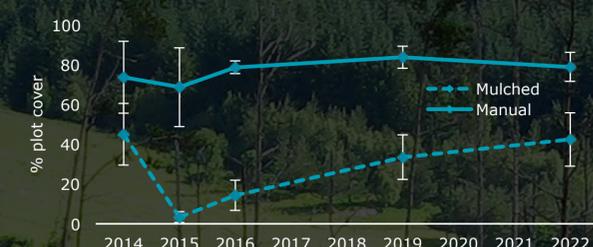
Peat restoration vegetation monitoring

Unvegetated plot cover

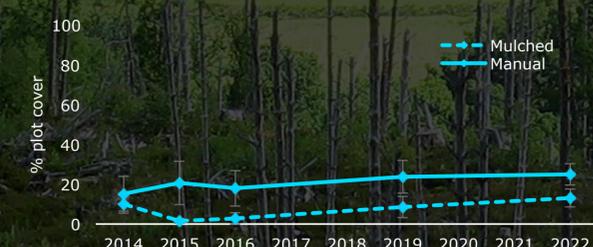


Target = Decreasing or stable

Sphagnum moss cover



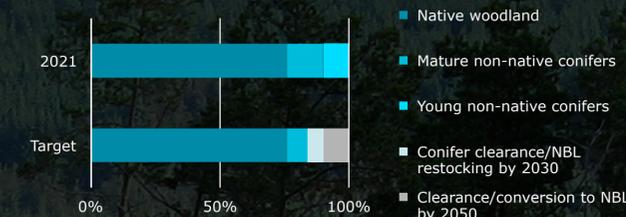
Cottongrass cover



Target = Increasing or stable

Inverlair Planted Woods on Ancient Woodland sites (PAWS)

Inverlair PAWS



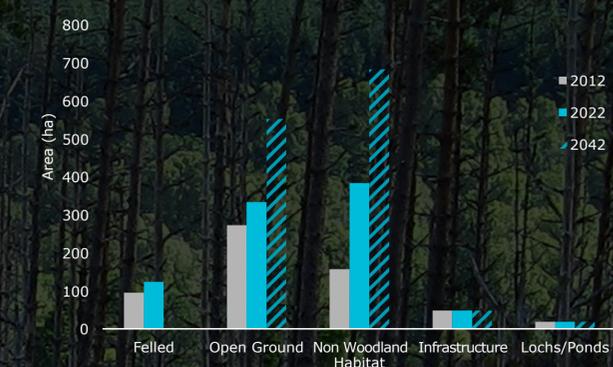
Target = 76% native woodland

Long Term Forest Plan data

Forest Components: Woodland



Forest Components: Other



Target = 1616 ha Native tree species



Overview

Corrou forest water quality

A total of **20,420** individual aquatic macroinvertebrates were recorded from 229 samples in the period 2015-2022

Open hill water quality

Both rivers classified as **Excellent** in the SEPA river classification



The most common group was **mayflies** (Ephemeroptera), with a total of **747** individuals



Electrofishing

8 individual sampling sites in Corrou forest
6 individual sampling sites on the open hill

Densities of brown trout were compared to National Fisheries Classification Scheme Grades

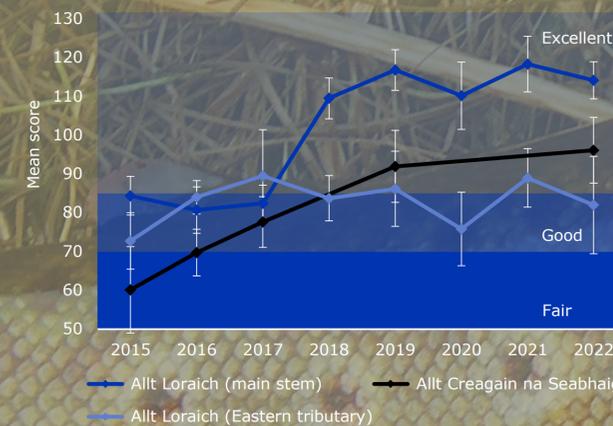


Corrou forest water quality (evaluated by macroinvertebrates)

Average Score per Taxon (ASPT) water quality index



Biological Monitoring Working Party (BMWP) water quality index

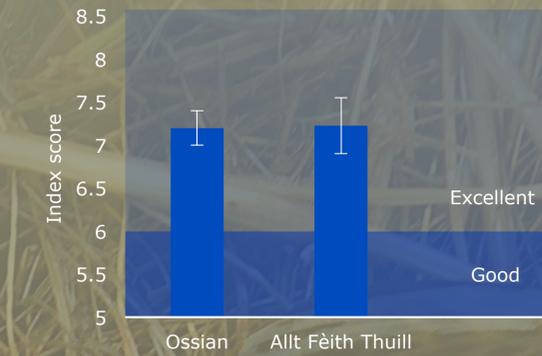


Error bars = ± 1 Standard Error

Target = Stable

Open hill water quality 2020 baseline (evaluated by macroinvertebrates)

Average Score per Taxon (ASPT) water quality score



Biological Monitoring Working Party (BMWP) water quality index

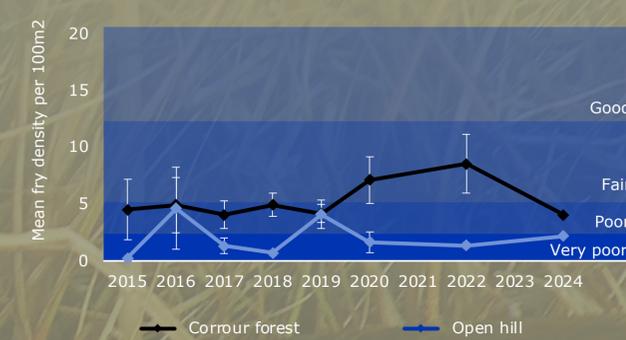


Error bars = ± 1 Standard Error

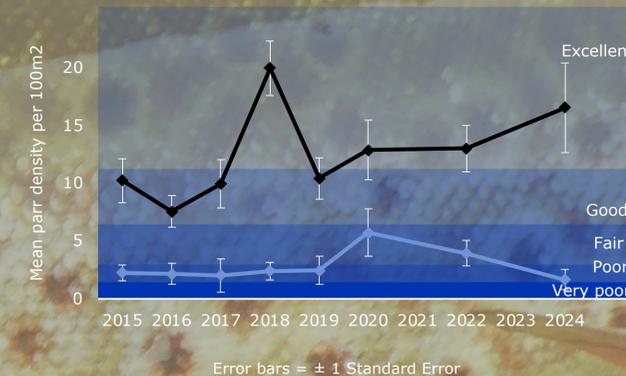
Target = Stable or improving

Electrofishing

Trout fry FRS Fisheries Classification



Trout parr FRS Fisheries Classification



Error bars = ± 1 Standard Error

Target = Stable or improving



Overview

Annual grouse counts

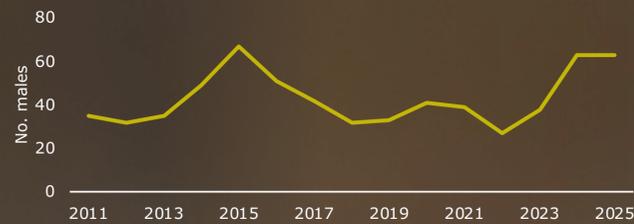


Red deer population dynamics

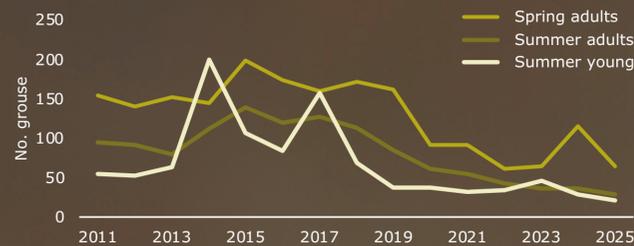


Annual grouse counts

Lekking male black grouse



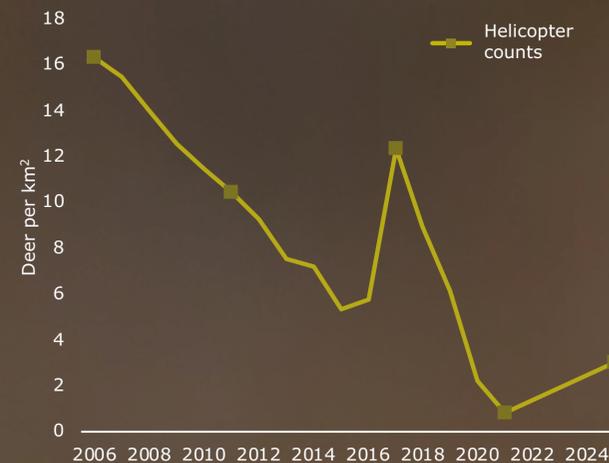
Total red grouse counted



Target = Stable or improving

Red deer population dynamics

Open hill deer density



Overall cull totals and yearling carcass weights



Target = Fluctuating at low densities

