North York Moors
National Park

Hedgerows and Wildlife Corridors

Habitat connectivity

How physically connected?

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Habitat type	Minimum distance	Species that benefit
Hedgerows (dense)	Under 5m (or continual)	Small aboreal mammals, insects and arable species, bat navigation
Trees (isolated or small clusters)	20-50m	Small woodland birds and ground-dwelling invertebrates
Grassland	50-100m	Specialist insects and plants
Ponds or other wet areas	Under 500m	Pond-dependant amphibians and aquatic invertebrates



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Habitat corridors

Hedgerows

Connection of wooded habitat

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- Dense – cutting management
- Gapping up
- Fruit and nut varieties
- Hedgerow restoration - laying & coppicing



Hedge cutting

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- Timings
  - Outside of bird breeding season (March-August inclusive). Ideally January or February to leave as much food available for wildlife as possible.
- Methods
  - Longer cutting rotations e.g. every 3 years allows hedgerows tree species to flower and fruit on second year wood providing valuable food sources for pollinators and birds.
  - Incremental cutting (increasing the width and height of the hedge with each cut) Cutting a hedge 10cm higher/wider every cutting avoids causing structural damage to the hedge and allows second year wood for flowering and fruiting.
- Size & shape
  - The number of nesting or feeding bird species is strongly linked to hedgerow size. Approximately double the number of bird species occur in taller hedges (i.e., over 1.4 m (4'6")) compared with shorter hedges; this is also the case with width.
  - An 'A' shape promotes thick growth at the hedge base which is important for food and shelter for wildlife and provides an effective wind break. A rectangular shape normally means that one side of the hedge is severely shaded.

Hedge laying or coppicing

10yr cycle

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Grassland corridors – road verges

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High potential for species-richness -unimproved and undisturbed soil

Constraints - air pollution (increased nitrates) and light pollution (street lamps, headlights on busy roads)





Grassland corridors - road verges

Leaving grass long for pollinators corridors. Cut and collect.

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Stepping stones & hotspots

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Landscape trees

In-field, in-boundary and urban

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Wet areas

Pond and scrape creation -Lockton







Wet areas

Scrape creation - Lockton

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Santander volunteer day

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Scrape & orchard meadow creation, woodland flora planting, Lockton







Orchard meadow creation

Diverse spaces of local-provenance wildflowers, heritage fruit trees and native mixed hedgerows

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Orchard meadow creation

Diverse spaces of local-provenance wildflowers, heritage fruit trees and native mixed hedgerows

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Orchard meadow enhancement

Local-provenance wildflower seed and plug plants added into existing orchards

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Habitat reserves and strongholds

Species-rich grassland restoration

Management changes – stock exclusion over summer

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Species-rich grassland restoration

Rotational grass cutting and scrub clearance, Beckdale

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Species-rich grassland restoration

Cutting and collecting, bracken bashing, grazing introduction

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Increasing species resilience

Local provenance wildflower seed collection

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Collection of species-rich ‘green hay’

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Growing on local-provenance plug plants

Rare and generalist

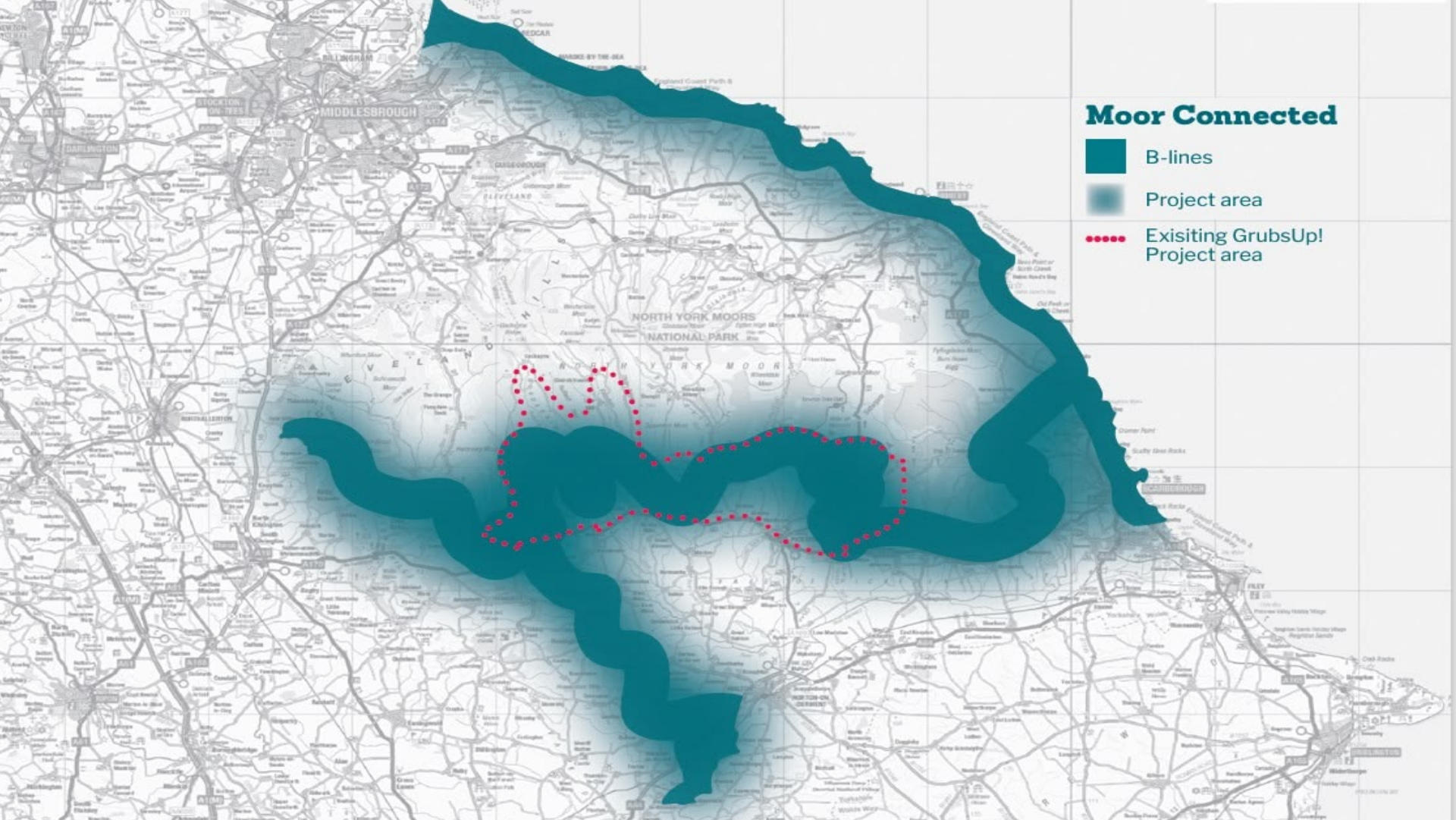
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GrubsUp!
Project Area
Glaisdale
Goathland
North Yorkshire Moors Railway
Fylingdales
Rosedale Abbey
BILSDALE
BRANSDALE
FARNDALE
Cropton Forest
Saltergate
Langdale Forest
Harwood Dale
Broxa Forest
Stape
Hole of Horcum
Broxa
Lastingham
Levisham
Lockton
Hawnby
Gillamoor
Fadmoor
Cawthorn Roman Camps
Newton on Rawcliffe
NEWTON DALE
STAIN DALE
Dalby Forest
Wykeham Forest
Hutton le Hole
Cropton
Kirkbymoorside
Appleton le Moors
Wrelton
Carlton
Pockley
Rievaulx Abbey
Rievaulx
Cold Kirby
Helmsley Castle
Beadlam
Nawton
Sinnington
Pickering
Thornton le Dale
Ebberston
RYE DALE
Helmsley
Marton
Harome
Brompton
VALE OF PICKERING
North York Moors National Park
Ampleforth
Coxwold
Castle
Hovingham
Castle Howard
Malton
Easingwold
GrubsUp! Project Area
North Yorkshire Moors Railway
North York Moors National Park
Howardian Hills National Landscape
0 1mile
2 km
N
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Moor Connected
B-lines
Project area
Exisiting GrubsUp!
Project area
MIDDLESBROUGH
NORTH YORK MOORS
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Thank you