



- Legend:
- Site boundary
 - Proposed Infrastructure
 - Site of Special Scientific Interest (SSSI)
 - Site of Importance for Nature Conservation (SINC)

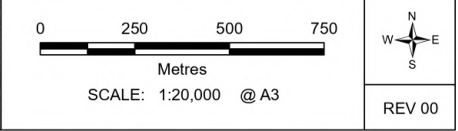


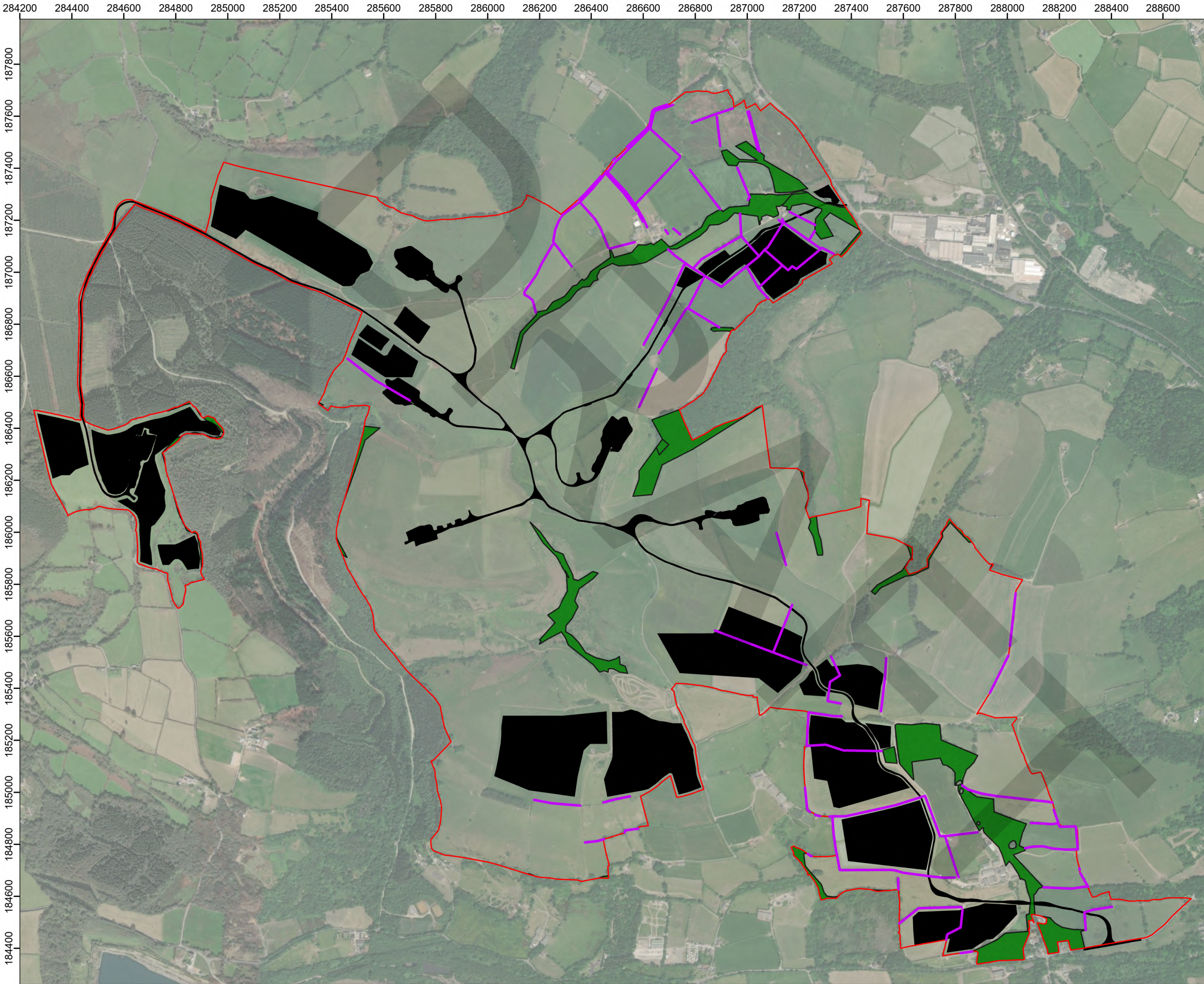
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Mynydd Ty-talwyn Energy Park



TITLE: Figure 10.1:
Important Ecological Features
Designated Sites





Legend:

- Site boundary
- Proposed Infrastructure
- Semi-natural Woodland
- Hedgerows

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TITLE: Figure 10.2:
Important Ecological Features
Habitats

Metres
SCALE: 1:13,500 @ A3

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Legend:

- Site boundary
- Proposed infrastructure
- Woodland and hedgerows
- Fungi - Likely local value for grassland fungi
- Fungi - Likely county value or higher
- Great Crested Newt - Waterbody with positive eDNA result
- Great Crested Newt - 250m buffer from positive eDNA waterbody
- Otter - Watercourses



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TITLE: Figure 10.3:

Important Ecological Features
Protected Species (Excluding Bats)



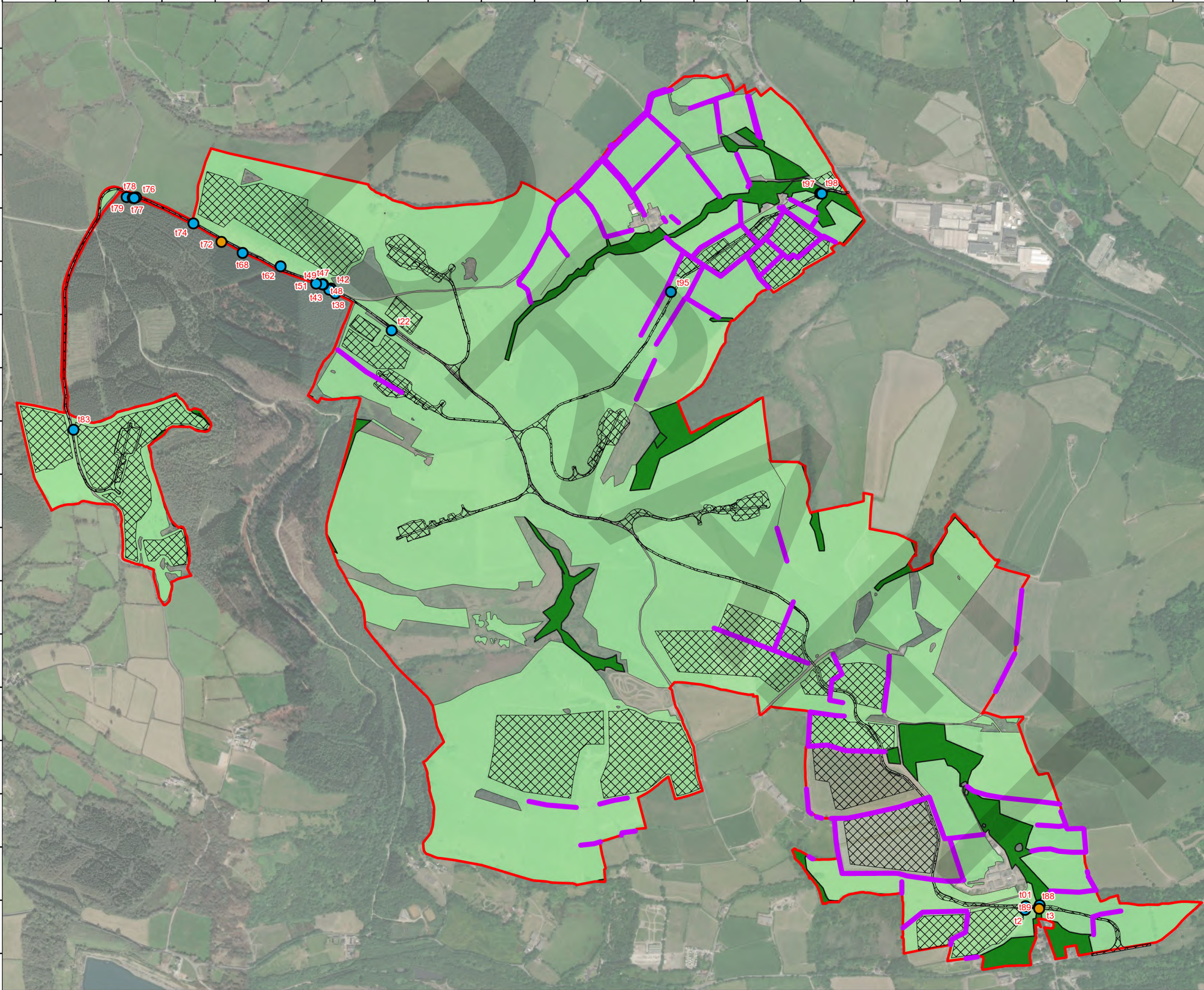
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Legend:

- Site boundary
- Proposed Infrastructure
- Woodland (commuting and foraging)
- Grasslands (foraging)
- Hedgerows (commuting and foraging)

Trees that have been subject to tree climbing

- PRF-M
- PRF-I

PRF-I - PRF is only suitable for individual bats or very small numbers of bats.
PRF-M - PRF is suitable for multiple bats and may therefore be used by a maternity colony



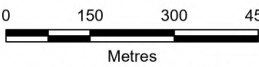
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TITLE: Figure 10.4:

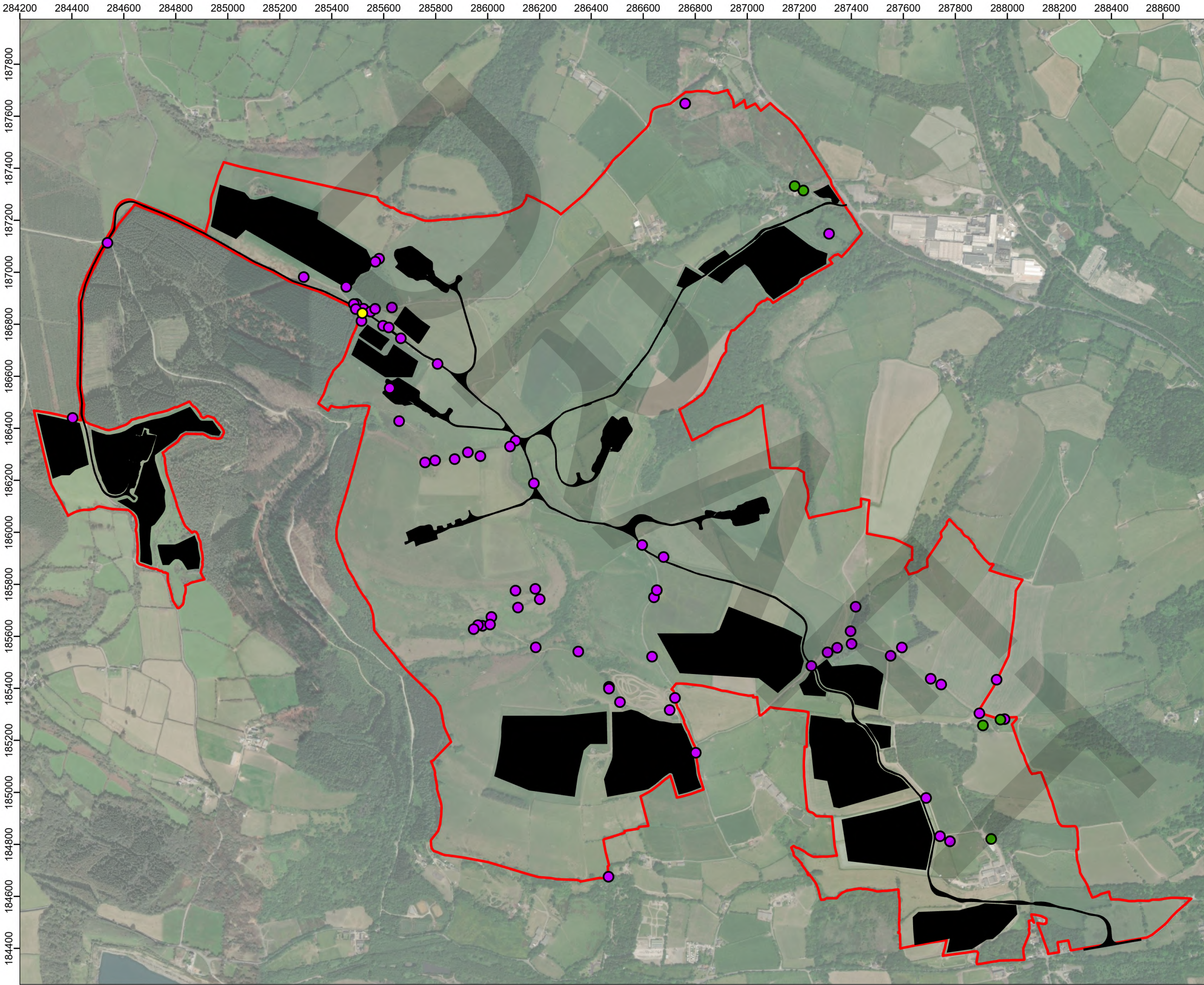
Important Ecological Features
Protected Species - Bats



SCALE: 1:13,500 @ A3



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Legend:

- Site boundary
- Proposed Infrastructure
- Invasive Species**
 - Japanese knotweed
 - Himalayan balsam
 - Montbretia

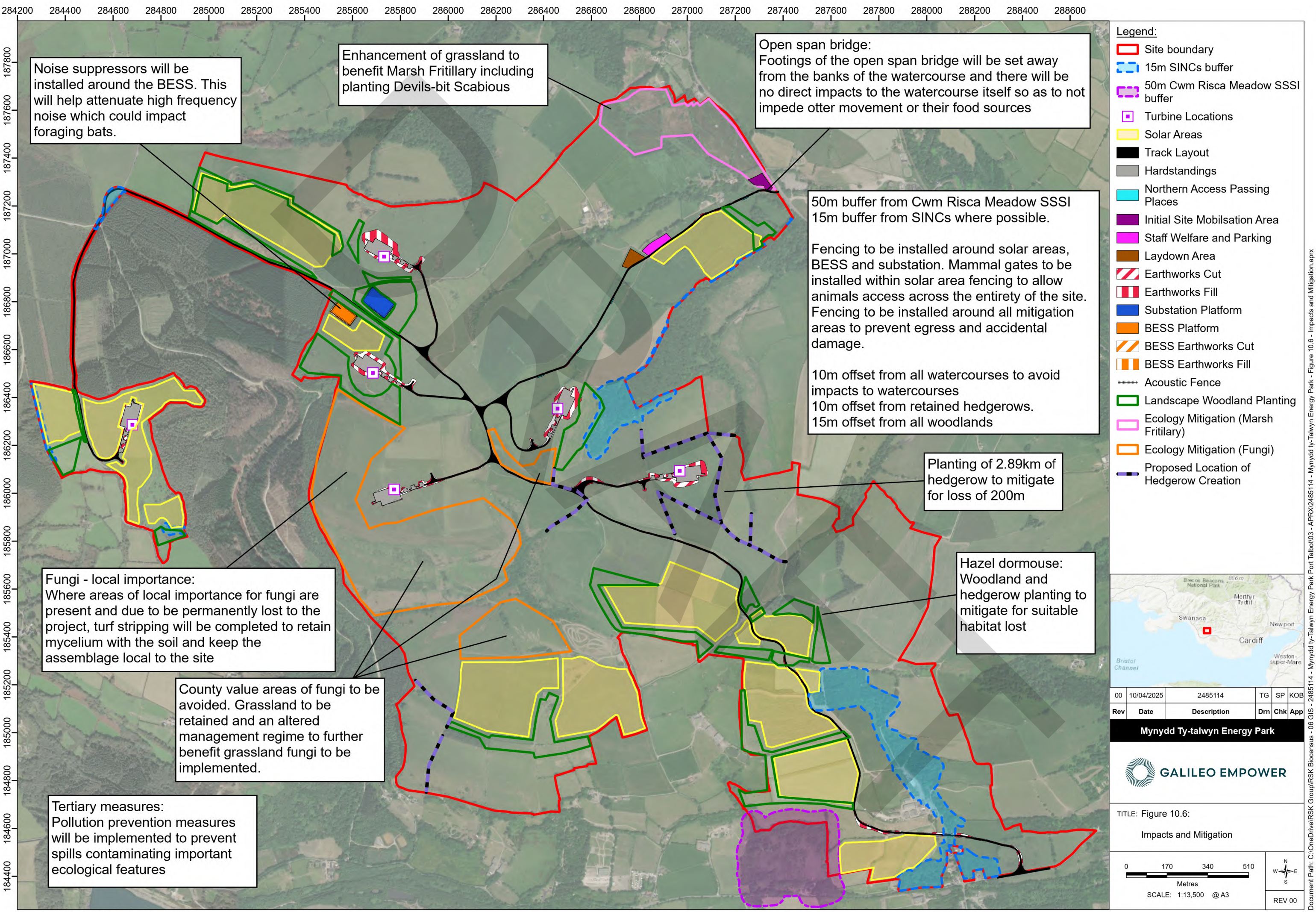
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TITLE: Figure 10.5:
Important Ecological Features
Invasive Non-Native Species

Metres
SCALE: 1:13,500 @ A3

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Noise suppressors will be installed around the BESS. This will help attenuate high frequency noise which could impact foraging bats.

Enhancement of grassland to benefit Marsh Fritillary including planting Devils-bit Scabious

Open span bridge:
Footings of the open span bridge will be set away from the banks of the watercourse and there will be no direct impacts to the watercourse itself so as to not impede otter movement or their food sources

50m buffer from Cwm Risca Meadow SSSI
15m buffer from SINCs where possible.

Fencing to be installed around solar areas, BESS and substation. Mammal gates to be installed within solar area fencing to allow animals access across the entirety of the site. Fencing to be installed around all mitigation areas to prevent egress and accidental damage.

10m offset from all watercourses to avoid impacts to watercourses
10m offset from retained hedgerows.
15m offset from all woodlands

Planting of 2.89km of hedgerow to mitigate for loss of 200m

Hazel dormouse:
Woodland and hedgerow planting to mitigate for suitable habitat lost

Fungi - local importance:
Where areas of local importance for fungi are present and due to be permanently lost to the project, turf stripping will be completed to retain mycelium with the soil and keep the assemblage local to the site

County value areas of fungi to be avoided. Grassland to be retained and an altered management regime to further benefit grassland fungi to be implemented.

Tertiary measures:
Pollution prevention measures will be implemented to prevent spills contaminating important ecological features

- Legend:
- Site boundary
 - 15m SINCs buffer
 - 50m Cwm Risca Meadow SSSI buffer
 - Turbine Locations
 - Solar Areas
 - Track Layout
 - Hardstandings
 - Northern Access Passing Places
 - Initial Site Mobilisation Area
 - Staff Welfare and Parking
 - Laydown Area
 - Earthworks Cut
 - Earthworks Fill
 - Substation Platform
 - BESS Platform
 - BESS Earthworks Cut
 - BESS Earthworks Fill
 - Acoustic Fence
 - Landscape Woodland Planting
 - Ecology Mitigation (Marsh Fritillary)
 - Ecology Mitigation (Fungi)
 - Proposed Location of Hedgerow Creation



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GALILEO EMPOWER

TITLE: Figure 10.6:
Impacts and Mitigation

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Metres
SCALE: 1:13,500 @ A3

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