

270000 272000 274000 276000 278000 280000 282000 284000 286000 288000 290000 292000 294000 296000 298000 300000 302000

198000
196000
194000
192000
190000
188000
186000
184000
182000
180000
178000
176000
174000



- Legend:**
- Site boundary
 - 2km site buffer
 - 10km site buffer
 - SSSIs identified of relevance to ornithology
 - SINCs identified of relevance to ornithology

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



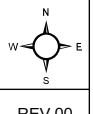
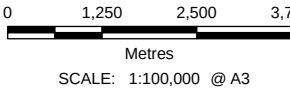
03	08/10/2025	Third Draft	TG	SP	EP
Rev	Date	Description	Drm	Chk	App

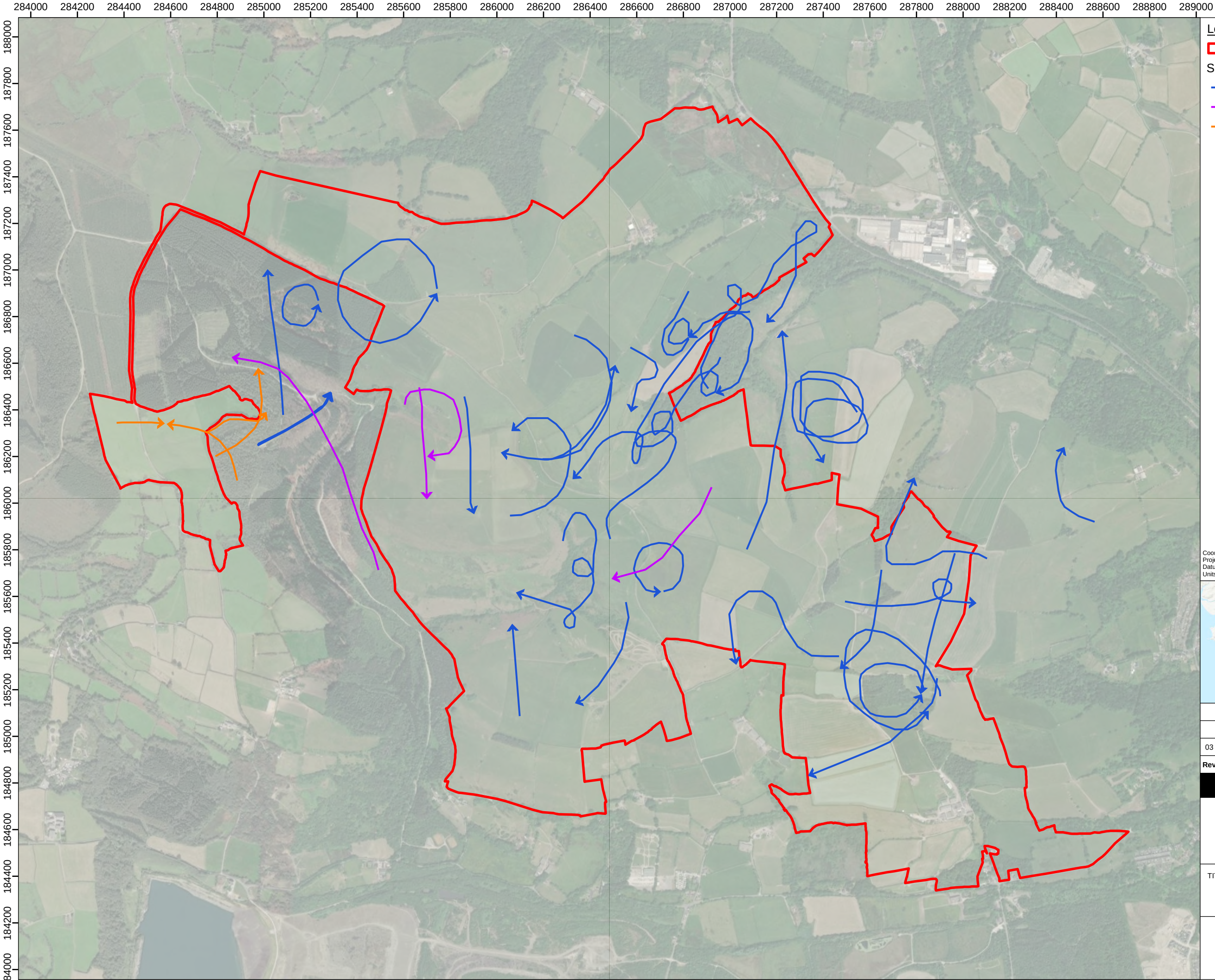
Mynydd Ty-talwyn Energy Park



TITLE: Figure 11.1:

Key Ornithological Features
Designated Sites





- Legend:**
- Site boundary
 - Species Flight Lines**
 - Red kite
 - Lapwing
 - Merlin

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter

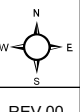
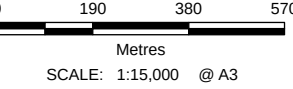


03	08/10/2025	Third Draft	TG	SP	EP
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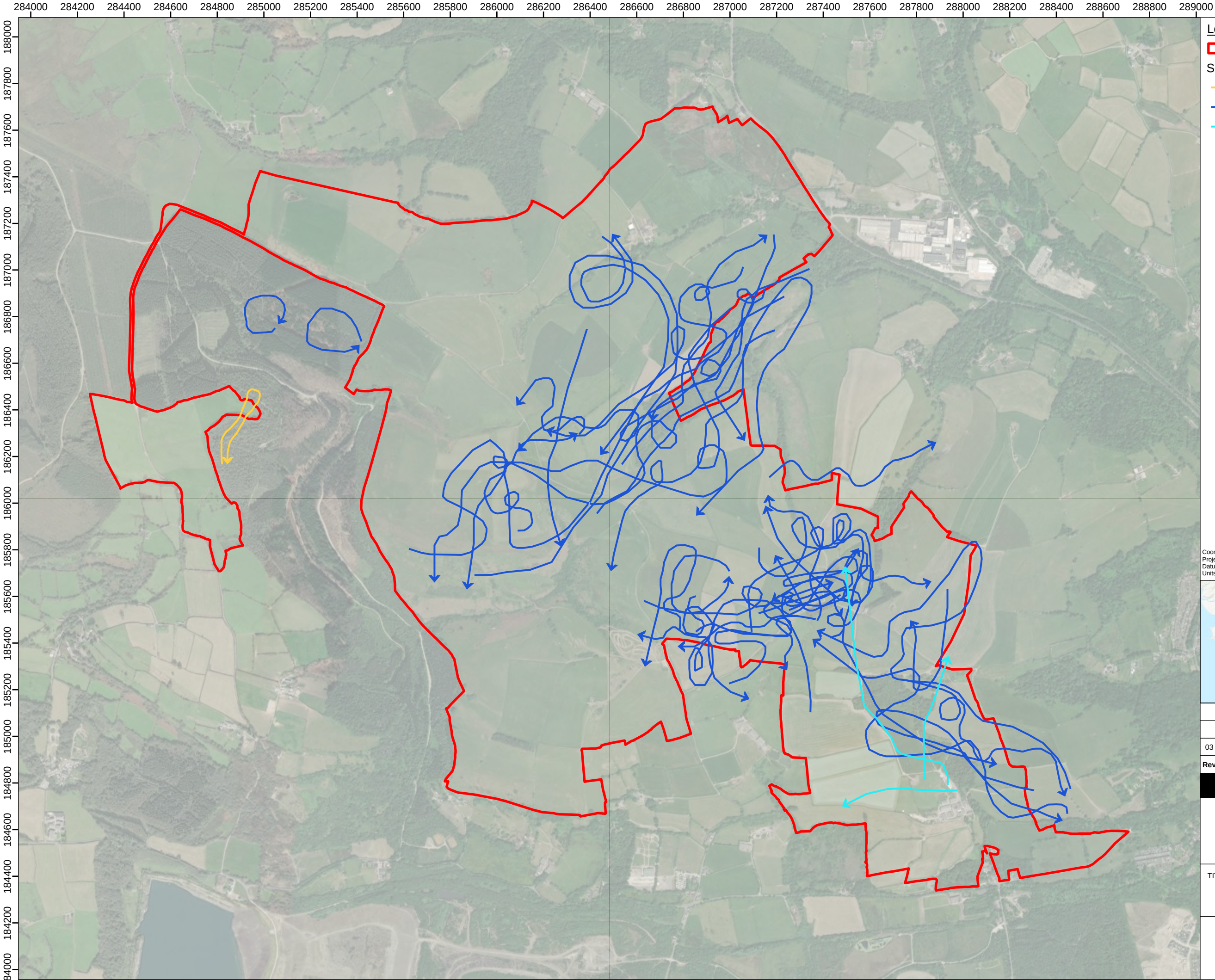
Mynydd Ty-talwyn Energy Park



TITLE: Figure 11.3.1:
Year 1 Breeding
Key Ornithological Features
Flight Activity

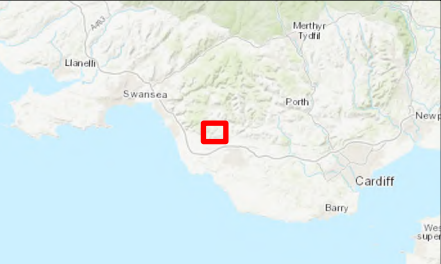


REV 00



- Legend:**
- Site boundary
 - Species Flight Lines
 - Barn owl
 - Red kite
 - Teal

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter

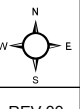
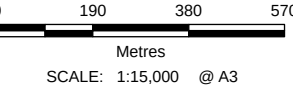


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Rev	Date	Description	Drm	Chk	App

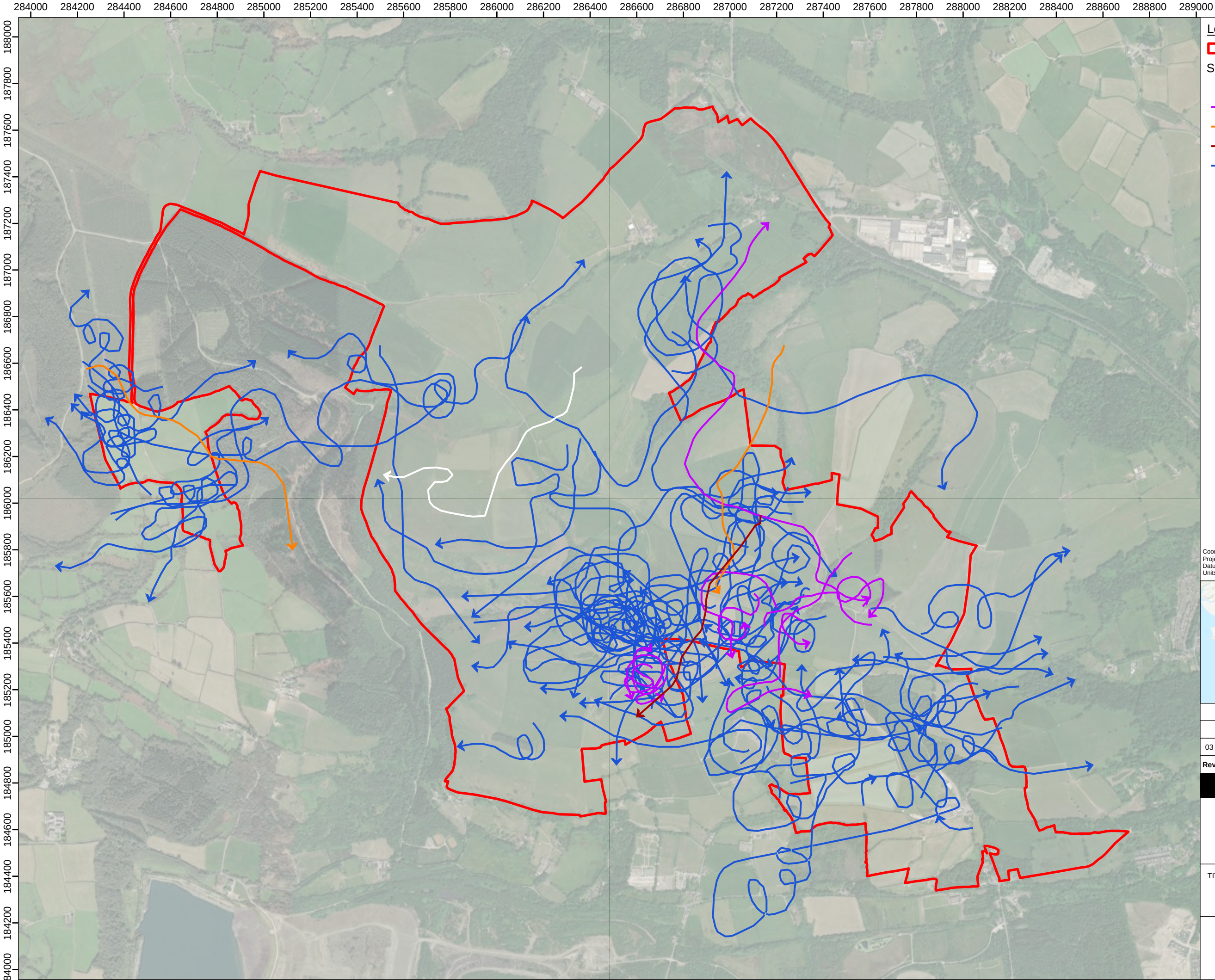
Mynydd Ty-talwyn Energy Park



TITLE: Figure 11.3.2:
Year 1 Wintering
Key Ornithological Features
Flight Activity



REV 00



Legend:

- Site boundary
- Species Flight Lines
 - Hen harrier
 - Lapwing
 - Merlin
 - Peregrine falcon
 - Red kite

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



03	08/10/2025	Third Draft	TG	SP	EP
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Mynydd Ty-talwyn Energy Park

 **GALILEO EMPOWER**

TITLE: Figure 11.3.3:
Year 2 Breeding
Key Ornithological Features
Flight Activity

0190380570

Metres

SCALE: 1:15,000 @ A3

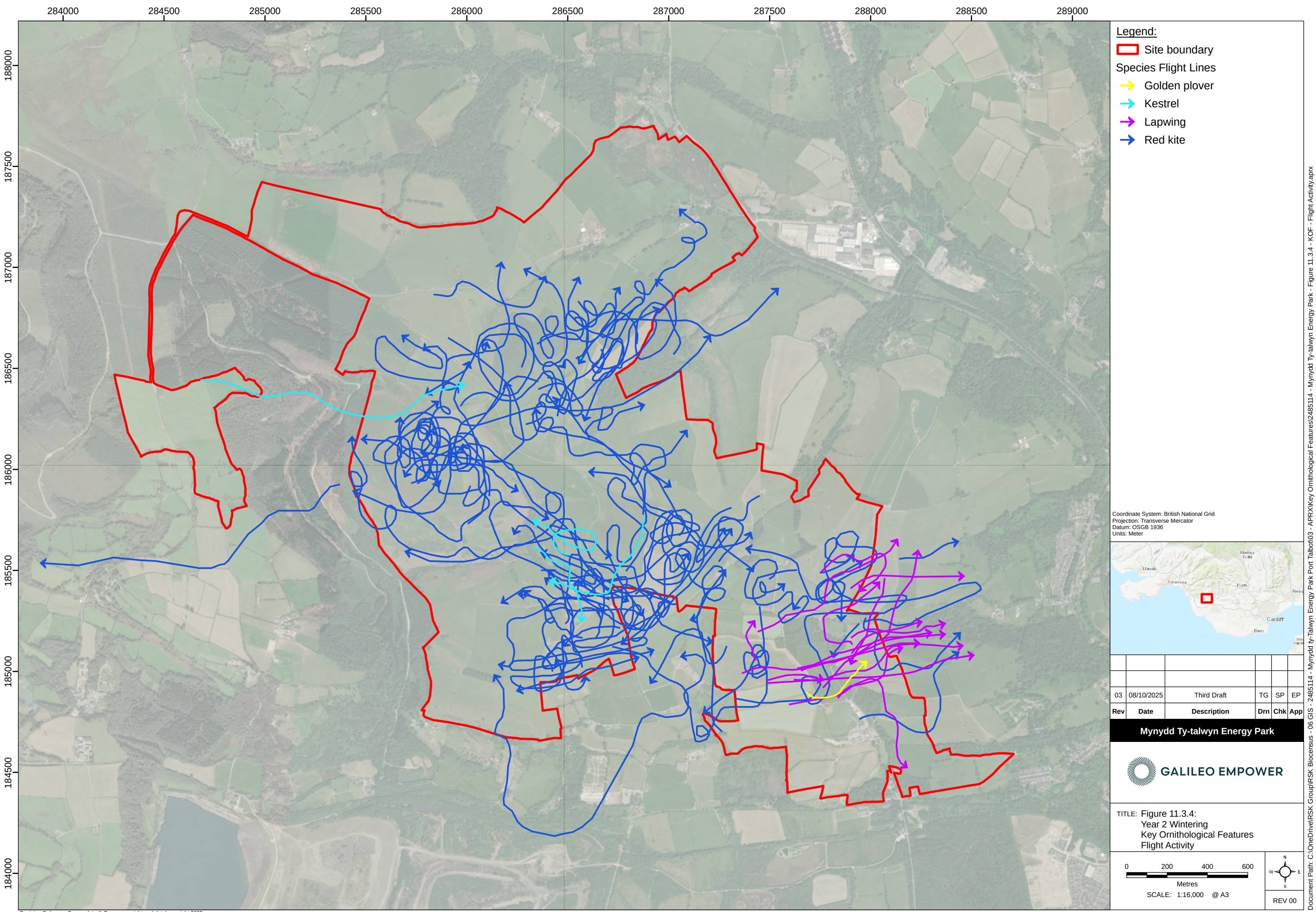
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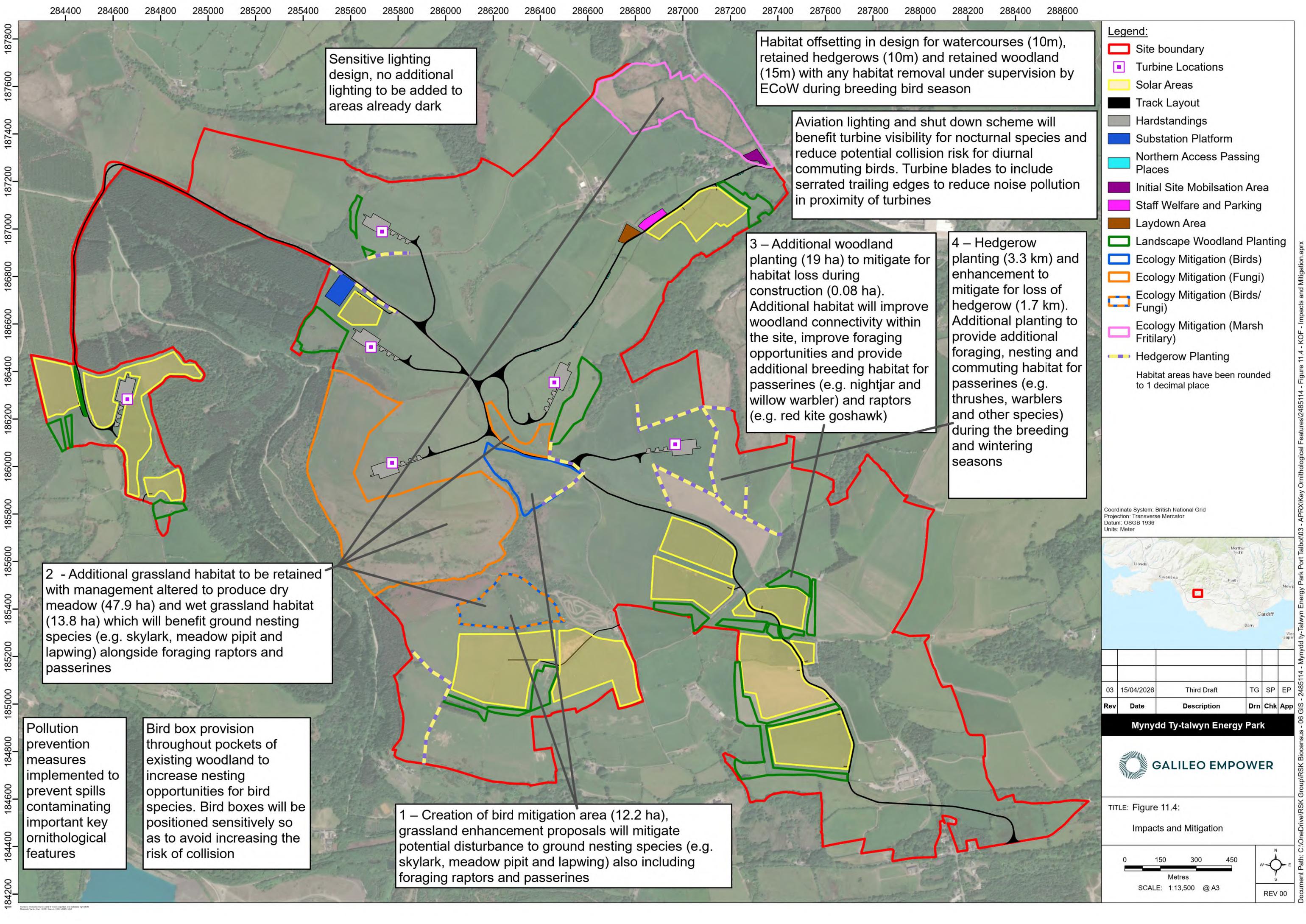
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REV 00





Sensitive lighting design, no additional lighting to be added to areas already dark

Habitat offsetting in design for watercourses (10m), retained hedgerows (10m) and retained woodland (15m) with any habitat removal under supervision by ECoW during breeding bird season

Aviation lighting and shut down scheme will benefit turbine visibility for nocturnal species and reduce potential collision risk for diurnal commuting birds. Turbine blades to include serrated trailing edges to reduce noise pollution in proximity of turbines

3 – Additional woodland planting (19 ha) to mitigate for habitat loss during construction (0.08 ha). Additional habitat will improve woodland connectivity within the site, improve foraging opportunities and provide additional breeding habitat for passerines (e.g. nightjar and willow warbler) and raptors (e.g. red kite goshawk)

4 – Hedgerow planting (3.3 km) and enhancement to mitigate for loss of hedgerow (1.7 km). Additional planting to provide additional foraging, nesting and commuting habitat for passerines (e.g. thrushes, warblers and other species) during the breeding and wintering seasons

2 - Additional grassland habitat to be retained with management altered to produce dry meadow (47.9 ha) and wet grassland habitat (13.8 ha) which will benefit ground nesting species (e.g. skylark, meadow pipit and lapwing) alongside foraging raptors and passerines

Pollution prevention measures implemented to prevent spills contaminating important key ornithological features

Bird box provision throughout pockets of existing woodland to increase nesting opportunities for bird species. Bird boxes will be positioned sensitively so as to avoid increasing the risk of collision

1 – Creation of bird mitigation area (12.2 ha), grassland enhancement proposals will mitigate potential disturbance to ground nesting species (e.g. skylark, meadow pipit and lapwing) also including foraging raptors and passerines