



Construction Environmental Management Plan – Biodiversity (CEMP-B)

Plots 9 & 10,
Cwm Woods Grove,
Heolgerrig,
Merthyr Tydfil,
CF48 1DP

Rev 1 04/12/2024

Matthew Jones

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5 Thornbury Close
Merthyr Tydfil
CF48 1HP

07970842615
mgjones@maxiom.net

1. Introduction

This CEMP-B is developed for Plots 9 & 10 Cwm Woods Grove on the Maxiom Development at Upper Colliers Row and in compliance with PPW Edition 12, incorporating guidance from the Preliminary Ecological Appraisal (PEA) by Acer Ecology, and taking into account the Glyndyrys Site of Special Scientific Interest (SSSI) nearby. This plan aims to minimize biodiversity impacts during the construction phase, ensuring the protection of species and habitats.

2. Objectives

- **Comply** with the requirements set out in PPW 12, specifically Section 6 on Biodiversity and Ecological Networks.
 - **Mitigate** potential impacts on local species and habitats.
 - **Monitor** and document adherence to biodiversity measures throughout the project.
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3. Site Description and Key Receptors

The site comprises two building plots within a broader development area, adjacent to woodland and scrub habitats. Key biodiversity features include nearby Glyndyrys SSSI (200m south), designated for its rare grassland fungi and varied habitats, which may be indirectly affected by dust, noise, and hydrological impacts.

4. Key Biodiversity Features and Species

4.1 Habitat and Flora

- Broadleaved Woodland and Dense Scrub: Support various species including nesting birds, bats, and invertebrates. This habitat borders the site and requires protection during construction.
- Ephemeral Vegetation and Rubble Pile: Areas within the plot cleared for construction must be managed carefully to prevent and take into consideration surrounding habitats.

4.2 Fauna

- Birds: Nesting habitat primarily within scrub areas. Recommended clearing times outside bird nesting season (March-September).
 - Bats: Low suitability for roosting but some potential for foraging and commuting.
 - Other Species: Potential presence of hedgehogs and reptiles along woodland edges.
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5. Construction Management Actions

5.1 Site Preparation and Vegetation Clearance

- Timing of Works: "Vegetation clearance will be conducted outside of bird nesting season (generally from 1st March until 31st August, although caution should be used as some bird species are known to nest outside of these dates in suitable conditions).
- Small Mammals: Ideally all excavations within the site will be securely covered over if left unattended. Any excavations that have a depth in excess of 0.5 m and that are left open overnight will have a means of escape let for any mammals (e.g. hedgehog) that may fall into them. A wooden board or equivalent will be left from the bottom to the top of the hole at an angle no steeper than 45°. This will allow any mammal to escape and avoid increased stress from being trapped.

5.2 Habitat Protection and Pollution Control

- Tree and Scrub Protection: Install protective fencing around retained woodland and scrub to prevent accidental damage as outlined in Treescenes report. Which States:-

"Due to the high risk to established trees we would recommend the installation of protective fencing prior to

commencement of **any** works on site in accordance with BS 5837:2012 “Trees in relation to Construction”. Trees should be protected using scaffold frame supporting weld mesh panel fencing sited on the edge of the Root Protection Area as defined in BS5837:2012. These fenced areas should not be used for the storage of any plant machinery or materials and personnel should be excluded at all times; these fences should remain in situ until after final landscaping has been carried out, removed by hand with great care to prevent compaction or root damage to established trees. The services of a suitably qualified arborist should be sought **prior** to the commencement of each stage.”

See figure 1 for fence type and construction and figure 2 for location

Figure 1

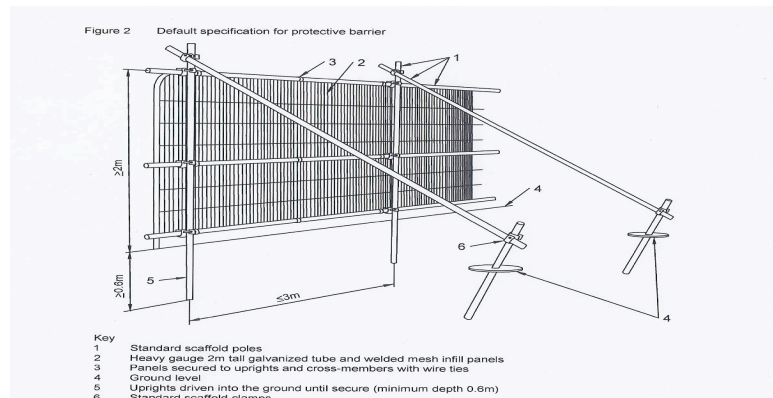


Figure 2



- Dust and Noise Control: Use dust suppression measures and limit noisy construction activities to prevent impacts on SSSI and adjacent habitats. Including water pumps and misting in dry seasons. The local climate usually provides adequate rainfall to counter the movement of dust

arising from prolonged periods of dry weather, however should this not be the case water bowsers will be used to limit the spread of dust.

- Watercourse Protection: The proposed site is lower than that of the protected SSSI area, therefore contamination of waterbodies adjacent to the SSSI is not possible.
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6. Biodiversity Enhancements

6.1 Habitat Creation

- Native Shrub and Tree Planting: Install native plant species around plot perimeters to support connectivity for wildlife.
- Pollinator-friendly Landscaping: Incorporate wildflower meadows or patches, supporting local pollinator species.

6.2 Species-specific Enhancements

- Bird and Bat Boxes: Install nesting boxes on nearby trees and on buildings to support bird and bat populations.
 - Hedgehog Passages: Create small gaps in any fences to facilitate movement across the site.
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7. Monitoring and Compliance

7.1 Regular Inspections

The site manager will conduct monthly inspections to confirm compliance with CEMP-B (This report/plan) actions and address any incidents or deviations from the plan.

7.2 Reporting

The site manager will document all measures, adjustments, and observations in monthly reports. A final report will confirm the completion of biodiversity protection and enhancement commitments.

8. Emergency Response

- In the event of a spill or habitat damage, the site manager will immediately rectify and record the incident.
 - Record all incidents and corrective actions for inclusion in the project's final environmental report.
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9. Lighting

External works will be undertaken during day light hours and there will be no use of artificial light at night. This will allow nocturnal wildlife access to the appropriate habitats without light interference.

Prepared by:

Matthew Jones

Maxiom Development Limited

Mob: 07970842615

This plan should be reviewed regularly to adapt to any changes in construction scheduling or local biodiversity conditions.



5 Thornbury Close
Merthyr Tydfil
CF48 1HP

07970842615
mgjones@maxiom.net

