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Legend

Proposed Landscape and Biodiversity Features and Management

- Proposed scrub planting
- Proposed understorey tree and shrub planting
- Proposed tree and understorey planting
- Meadow and neutral grassland in moderate condition
- Indicative Other Wetland Area
- Leaky dam (approx. location)
- Proposed replacement Parkland Oak tree planting
- Tussocky grassland
- Log piles
- Lowland meadow
- Swale (2.5m wide with 2m wide maintenance strip)
- Marshy grassland/other neutral grassland
- Gated access for cattle
- Cattle fencing
- National Grid Connection Works Fence
- BESS Security Fence
- 3m wide permeable hard track for cattle access
- Cattle grid
- Mosaic of crushed concrete and red brick (different particle sizes)

Note: All proposed planting should be local species to support local biodiversity and wildlife

Revision	Date	Notes
A	11/07/23	Amendments to reflect Ecologist's input
B	14/12/23	Updated design
C	04/03/24	Additional elements

General

- Red Line Boundary
- Existing tree vegetation within the site
- Watercourse
- Public Right Of Way (PROW)

1. Understorey trees and shrub vegetation plantin to reduce views seen from Shipley Road during the winter months. Protected from cattle during establishment for a period of 10 to 15 years.
2. Understorey trees and shrub vegetation to reduce views seen towards from PRoW. Protected from cattle during establishment for a period of 10 to 15 years.
3. Additional tree and understorey tree planting with the potential to include translocated immature oak trees currently growing in the north of the site). Protected from cattle during establishment for a period of 10 to 15 years.
4. Indicative areas of seasonal flooding, ephemeral ponds, wetland and damp habitats associated with constrution of leaky dams. Leaky dams constructed from wood/branches, kept in place with hard wood posts knocked in and rope binding. Height and leakiness of dam to be determined, with potential to build up dam slowly until the target area of wetland is achieved. Variety of wetland plants enhanced by harrowing and over-seeding in late summer 1 to 2 years after dam creation.
5. Existing grassland enhanced to create a lowland meadow habitat. Management of area to include low or no grazing by cattle and no access to pigs. Two hay crops a year takenfor the first 2-3 years to reduce the vigour of grassed (e.g. early April and late July) then a late summer short cut followed immediately by heavy chain harrowing to expose some soil followed by seeding with an appropriate wildflower mix. Thereafter, management could comprise an annual cut in late July or August for several years, moving to a more relaxed mowing regime in future years (e.g. mowing half of the area once every 2 years) depending on rate of scrub growth.
6. Land management to allow meadow and neutral grassland development and enhancement. Grazing of area by cattle to include pig access in autumn of Year 1 to disturb the sward followed by overseeding with an appropriate native wildflower mix. Subsequent periodic catlle grazing to ensure continued enhancement of neutral grassland and meadow.
7. Area beyond 10m buffer zone within perimeter fence to include; scrub planting; replacement parkland oak tree planting (with potential to include translocated immature oak trees currently growing in the north of the site); and tussocky grassland (grass to be lightly topped annually and maintained at a minimum height of 20cm to allow tussocks to form.
8. Periodic mob grazing to enhance neutral grassland and meadow with additional enhancement through application of green hay
9. Retention of gap in existing tree line to retain existing views from PRoW towards Cuckoo Barn.
10. Surface areas within 10 m buffer finished with a variety of aggregate substrates and aggregate sizes (from bare sand to large pebble/stone) that can be used by burying bees and wasps and may be colonised by annual flowers. Annual flowers and weeds managed to prevent encroachment towards BESS containers within 10 m buffer. Annual maintenance required to prevent colonisation by perennials such as scrub and grassland.

Project: **Knepp Battery Storage Project**

Title: Landscape and Ecology Mitigation and Enhancement Strategy

Date: July 2023

Ref: 1328/6a

Scale: 1:2500 @ A3

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