1. Reinforce existing tall native hedgerow. Extend scrub planting at northern (Downside Road) end with provision for rides in scrub. In the island bed surrounded by North Side Road and Downside Road this planting is to include a high proportion of tree planting, some of which will be extra heavy standard trees, to provide increased screening for residents in Melody Cottage. Extend existing bat tower roost. Provides habitat benefits to birds, bats, badger, small mammals and invertebrates. (E, V).

2. Reinforce woodland planting on the top and northern side of bund. Plant native climbers (honeysuckle, ivy and Clematis vitalba) on trellis along northern side of acoustic wall to soften appearance in views. Provides habitat benefits to birds, bats and invertebrates. (E, V)

3. Provision of limited amount of parkland tree planting in the reminder of the grassland to enhance for area for horseshoe bats. Provision of mown paths and information board. Provides habitat benefits to birds, bats, badger, small mammals and invertebrates. (E)

4. Existing woodland copse to have management regime amended to thin internal areas of woodland to enhance habitat for horseshoe bats. Provides benefits to woodland conditions and habitat for birds, bats, badger, small mammals and invertebrates. (E)

5. Extend woodland copse (4) to east. Scallop eastern edge. Increases woodland inventory and habitat provides benefits to birds, bats, badger, small mammals and invertebrates. (E, L)

6. Enhance species diversity in existing grass sward using BRS supplied mix and a CAP722 compliant management regime. Improved grassland conditions and provides benefits to bats, and invertebrates. (E)

7. Reinforce and thicken existing hedgerow and allow to grow to maximum 1.5m height. Provides benefits to birds and bats. (E, L)

8. Reinforce and thicken existing hedgerow and allow to grow to maximum height of 1.5m. Provides benefits to birds and bats. (E, L, V)

9. Introduce extra heavy standard trees into southern section of A38 boundary hedgerow and allow hedgerow section to grow out to maximum height of 1.5m to improve screening effectiveness. Provides benefits to birds and bats. (E, V)

10. Introduce small copses in the south-eastern and south-western corners of Gruffy's Field around bat roosts. Ensure that in combination with (11) the total area of scrub/tree cover within field does not exceed 15% of surface area to maximise its attractiveness to horseshoe bats. Enhance and extend existing horseshoe bat night feeding perches. Provides benefits to birds, bats, badger, small mammals and invertebrates. (E, L)

11. Introduce parkland trees to Gruffy's Field to enhance existing patches of scrub so that the total area of scrub/tree cover within field does not exceed 15% of surface area to maximise its attractiveness to horseshoe bats. Provides benefits to birds and bats. (E, L)

12. Reinforce and thicken existing hedgerow to maximum height of 1.5m. Provides benefits to birds and bats. (E, L)

13. Existing woodland copse to have management regime enhanced to increase habitat for horseshoe bats. Enhancement and extension of existing building bat roosts. New building bat roost. (E)

14. Cogloop 2 to have perimeter bund with design, planting and seeding to replicate existing bund surrounding Cogloop 1. Lighting regime in Cogloops 1 & 2 to ensure that lux levels at perimeter are less than 0.5lux. Provides benefits to birds, bats, badger, small mammals and invertebrates. (E, L & V)

14. Cogloop 2 to have perimeter bund with design, planting and seeding to replicate existing bund surrounding Cogloop 1. Lighting regime in Cogloops 1 & 2 to ensure that lux levels at perimeter are less than 0.5lux. Provides benefits to birds, bats, badger, small mammals and invertebrates. (E, L & V)

d. Provides benefits to birds, bats, badger, small mammals and invertebrates. (E, L)

16. Woodland management to improve structure and composition, any necessary tree surgery, remove non-native invasive species and to plant native local species including hazel, yew and holly along the woodland margin to increase ecological functionality and to help reduce light ingress into the woodland. Provides benefits to birds, bats, badger, small mammals and invertebrates. (E, L & V)

Key

- Bristol Airport Ownership Boundary
- New woodland / scrub planting
- New hedgerow / bund planting
- Reinforcement of existing woodland / scrub / copse planting
- Reinforcement of existing hedgerows
- Parkland tree planting
- New / restored pond
- Enhance species richness of existing grass sward using birdstrike mix

Principal Purpose of Proposed Mitigation Measure

E: Ecology
L: Landscape
V: Visual

0 m — 200 m
Scale 1:4,000 @ A1

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Development of Bristol Airport to Accommodate 12 Million Passangers Per Annum

Integrated/embedded landscape, visual and ecology mitigation masterplan

November 2018

wood.

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