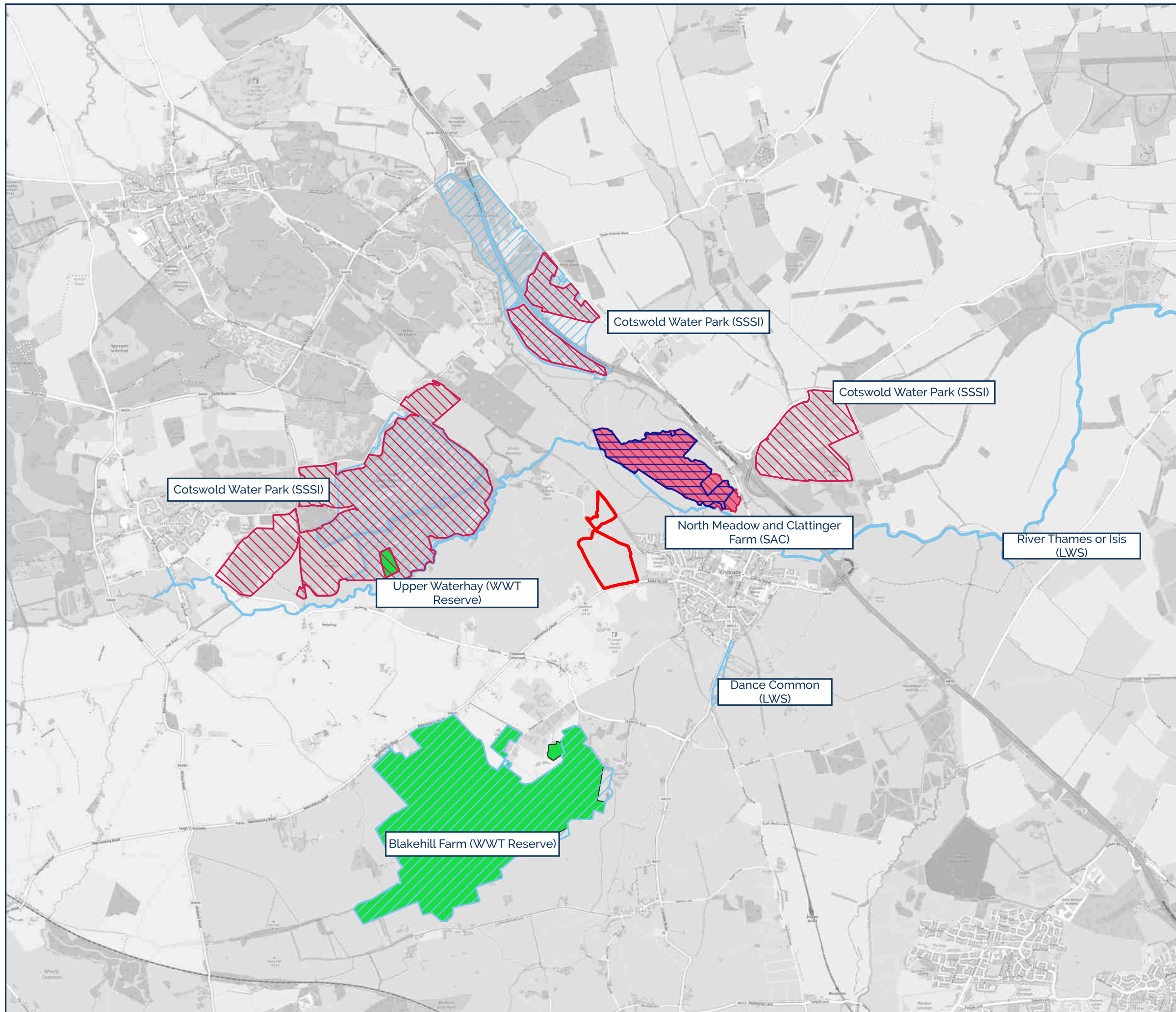


Plans & Appendices

Plans

Plan ECO1 – Site Location and
Ecological Designations



KEY:

- Application Site Boundary
- National Nature Reserve (NNR)
- Special Area of Conservation (SAC)
- Sites of Special Scientific Interest (SSSI)
- Local Wildlife Site (LWS)
- WWT Reserves



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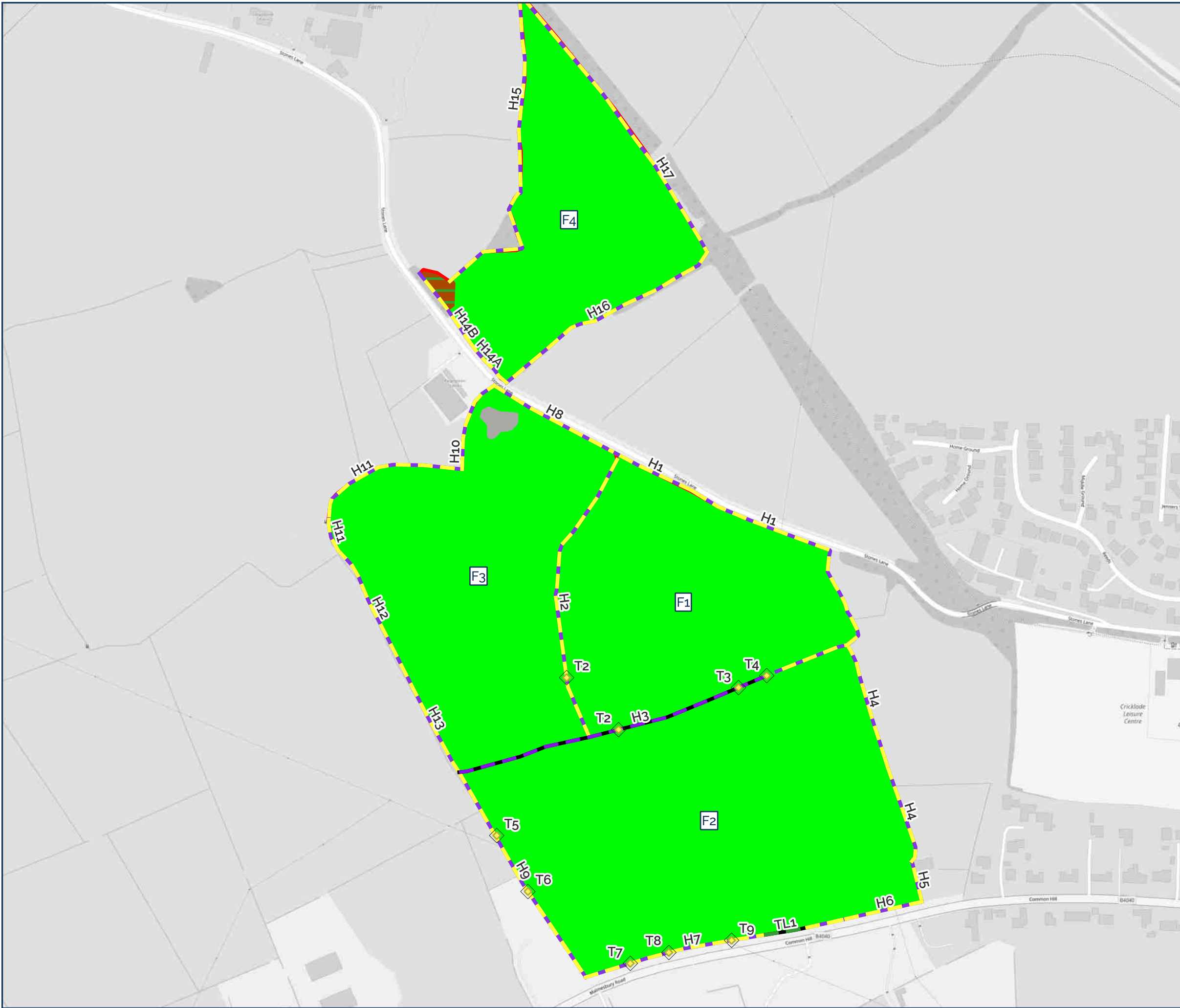
**10742: Land at Malmesbury Road,
Cricklade**

**PLAN ECO1: SITE LOCATION AND
ECOLOGICAL DESIGNATIONS**

Rev: A
Feb 2026

Plan ECO2 – Ecological Features

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KEY:

-  Application Site Boundary
-  Line of trees
-  Native hedgerow
-  Native hedgerow - associated with bank or ditch
-  Native hedgerow with trees
-  Species-rich native hedgerow associated with bank or ditch
-  Individual Trees
-  Lowland Mixed Deciduous Woodland
-  Modified Grassland
-  Ruderal/Ephemeral





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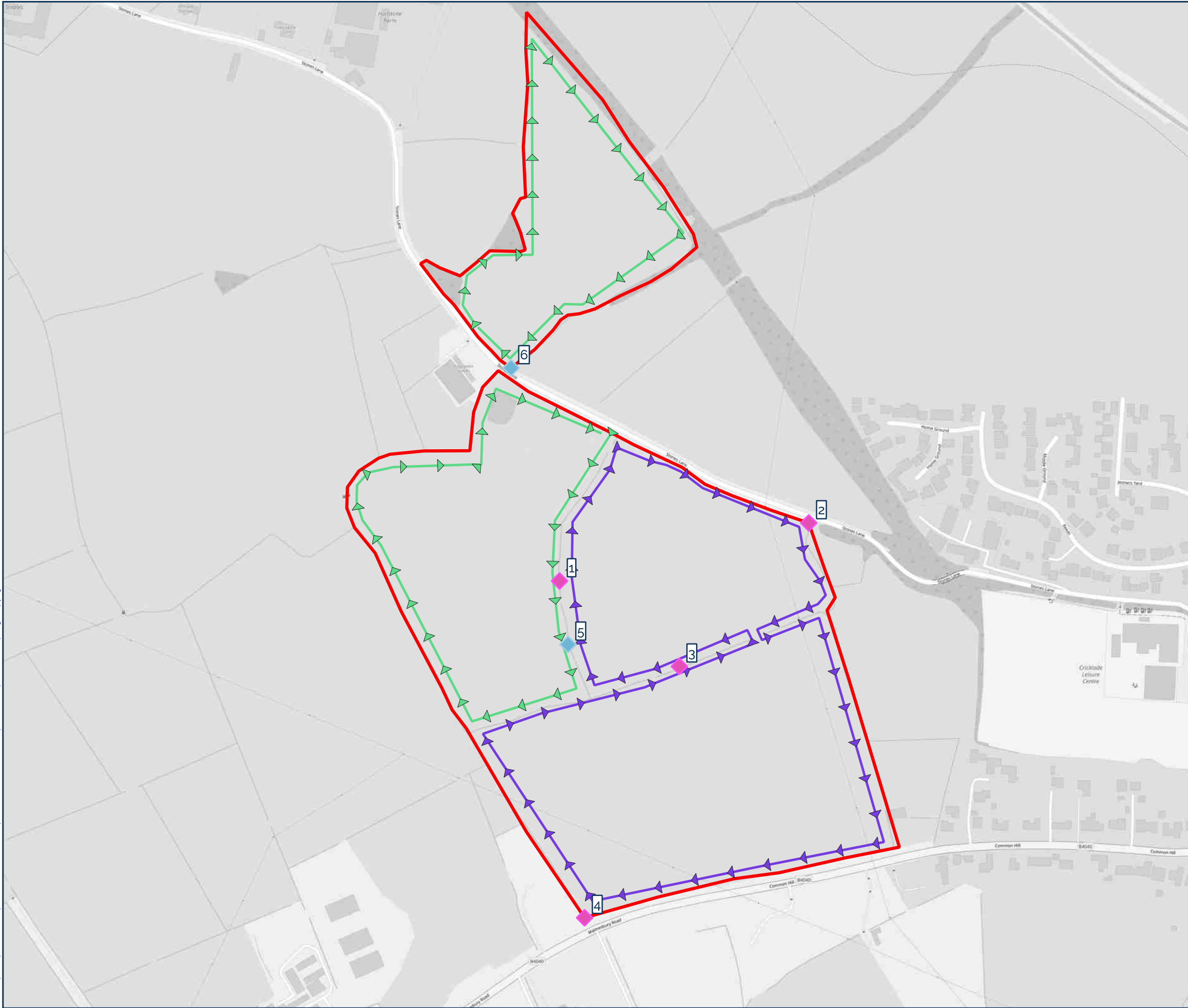
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**10742: Land at Malmesbury Road,
Cricklade**

PLAN ECO2: ECOLOGICAL
FEATURES

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Plan ECO3 – Bat Transects and
Automated Detector Survey
Locations



KEY:

-  Redline Boundary
-  Static Locations in 2023
-  Static Locations in 2025
-  NBW Transect Route in 2023 and 2025
-  Bat Activity Transect Route in 2023

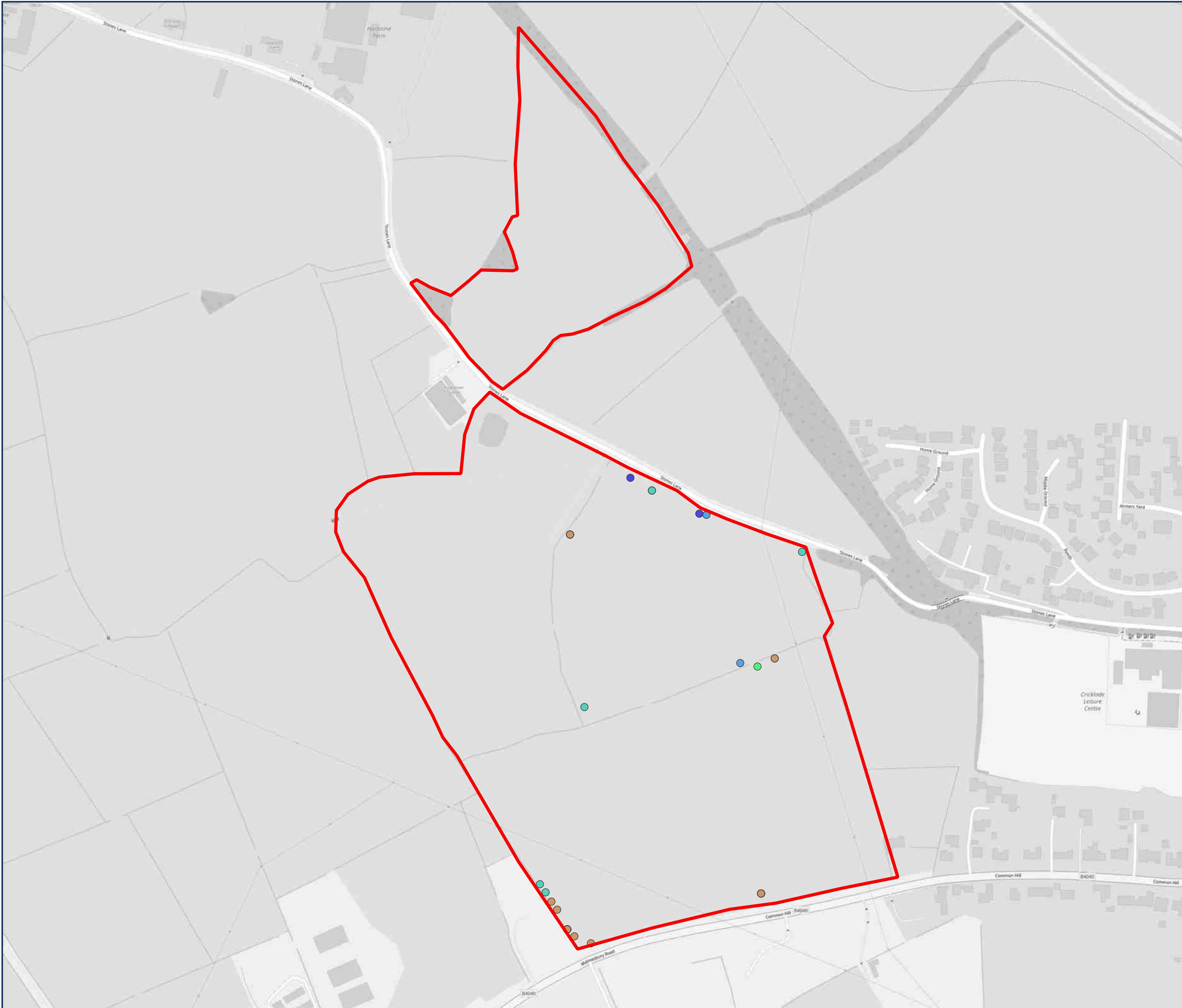


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10742: Land at Malmesbury, Cricklade

PLAN ECO3: BAT TRANSECTS AND AUTOMATED DETECTOR LOCATIONS	Rev: A Feb 2026
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Plan ECO3a – Night-time Bat
Walkover Survey Results
14.05.2025



KEY:

-  Application Site Boundary
-  Leislars
-  Noctule
-  Nathusius Pipistrelle
-  Common Pipistrelle
-  Soprano Pipistrelle

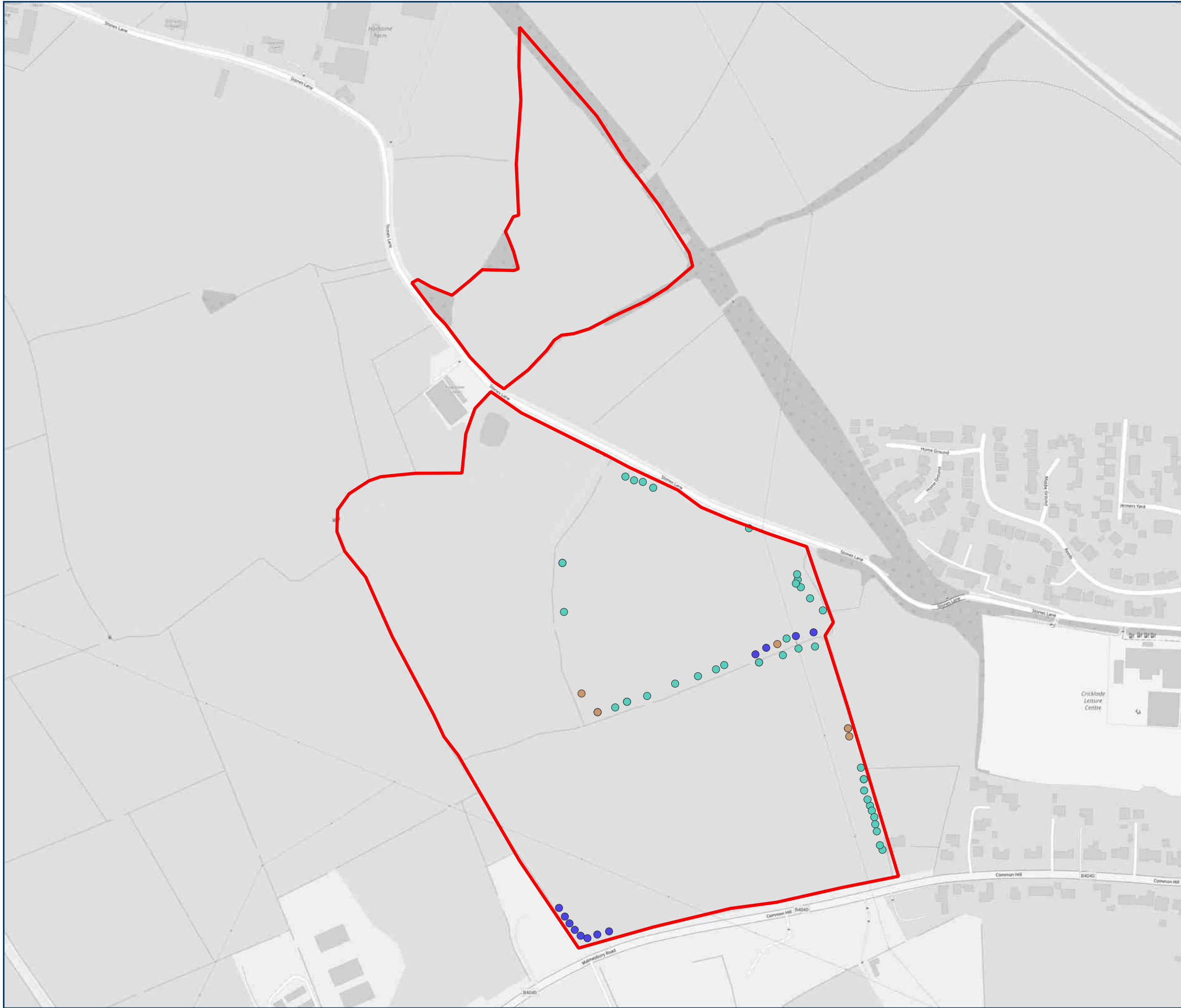


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PLAN ECO3a: Night-time Bat Walkover Survey Results 14.05.2025	Rev: A Feb 2026
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Plan ECO3b – Night-time Bat
Walkover Survey Results
15.07.2025



KEY:

- Application Site Boundary
- Common Pipistrelle
- Noctule
- Soprano Pipistrelle

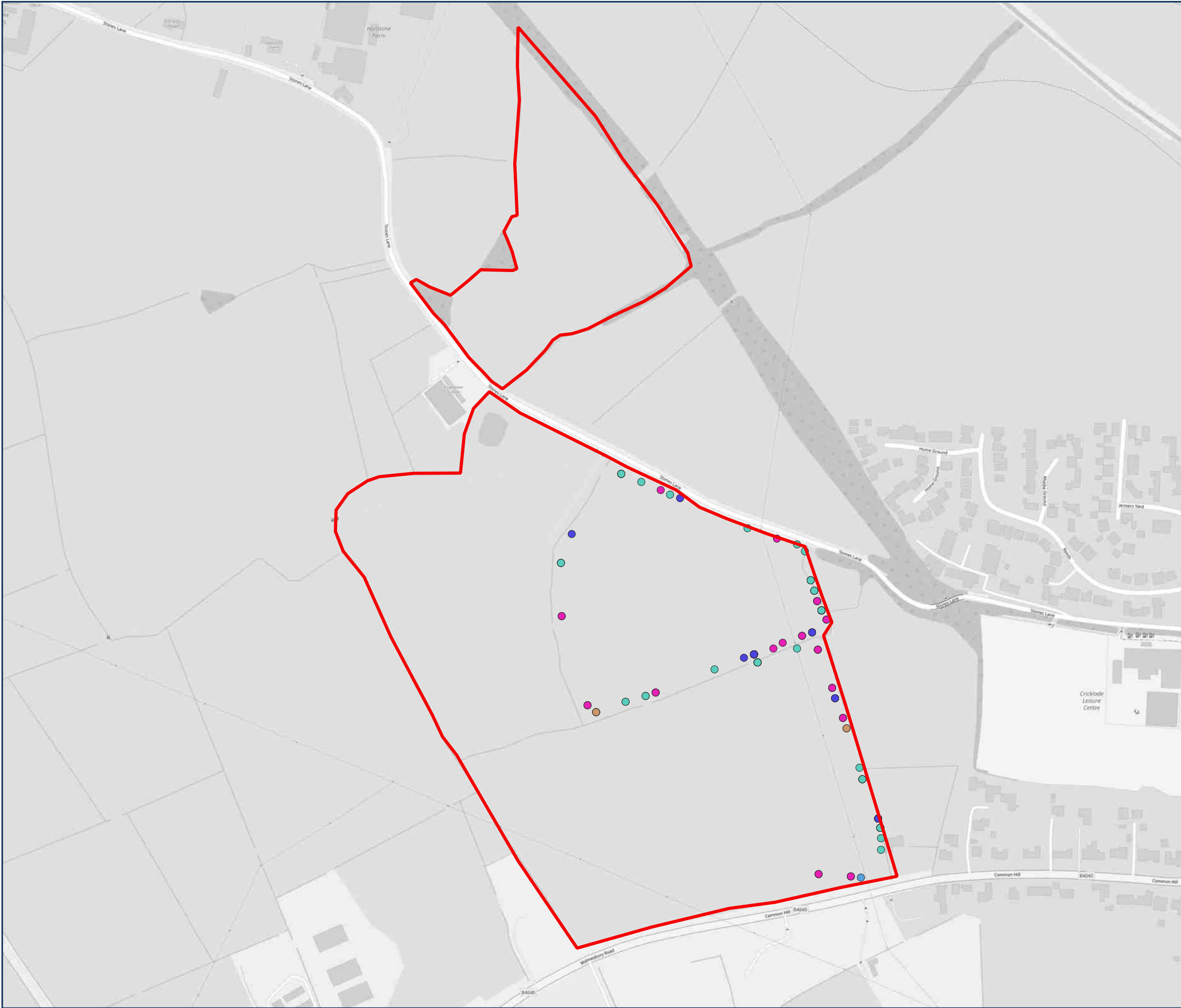


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PLAN ECO3b: Night-time Bat Walkover Survey Results 15.07.2025	Rev: A Feb 2026
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Plan ECO3c – Night-time Bat
Walkover Survey Results
16.09.2025



KEY:

-  Application Site Boundary
-  Common Pipistrelle
-  Leisler's Bat
-  Nathusius' Pipistrelle
-  Noctule
-  Serotine
-  Soprano Pipistrelle

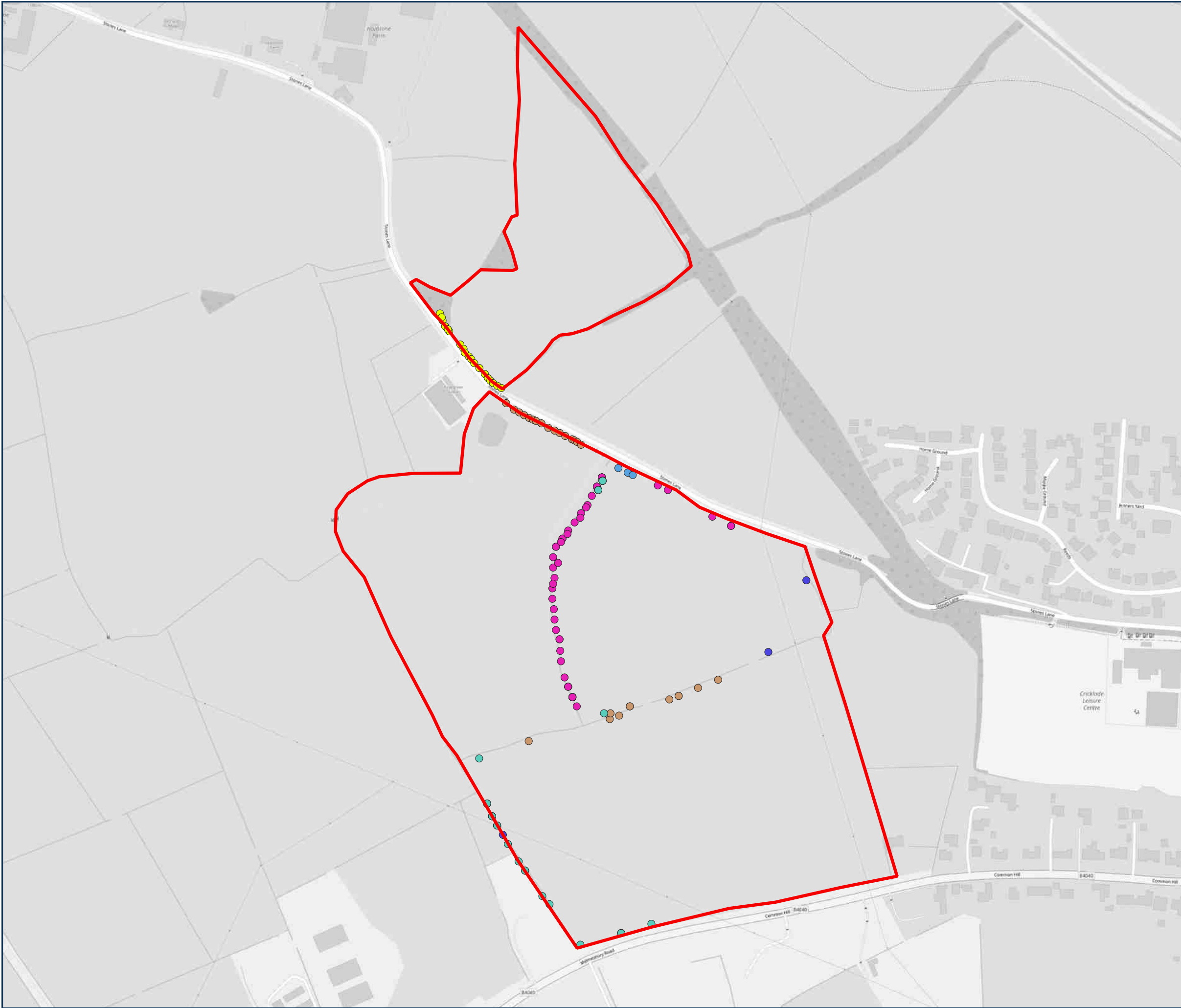


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10742: Land at Malmesbury, Cricklade

PLAN ECO3c: Night-time Bat Walkover Survey Results 16.09.2025	Rev: A Feb 2026
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Plan ECO3d – Bat Activity Survey
Results 31.07.2023



KEY:

- Application Site Boundary
- Serotine
- Leislars
- Noctule
- Common Pipistrelle
- Soprano Pipistrelle
- Myotis Species

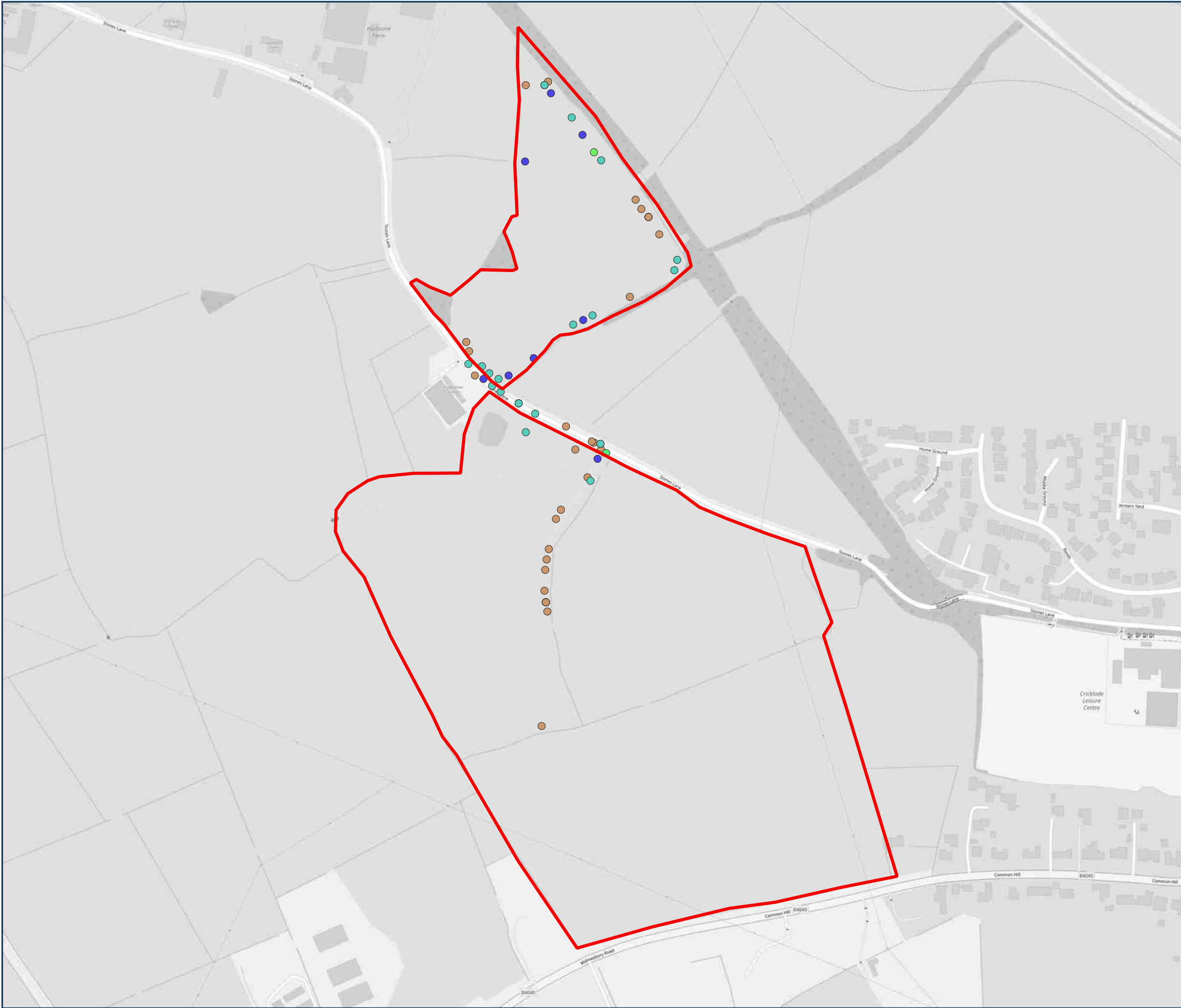


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PLAN ECO3d: Bat Activity Survey Results 31.07.23	Rev: A Feb 2026
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Plan ECO3e – Bat Activity Survey
Results 04.09.2023



KEY:

-  Application Site Boundary
-  Noctule
-  Nathusius Pipistrelle
-  Common Pipistrelle
-  Soprano Pipistrelle
-  Brown Long-eared Bat

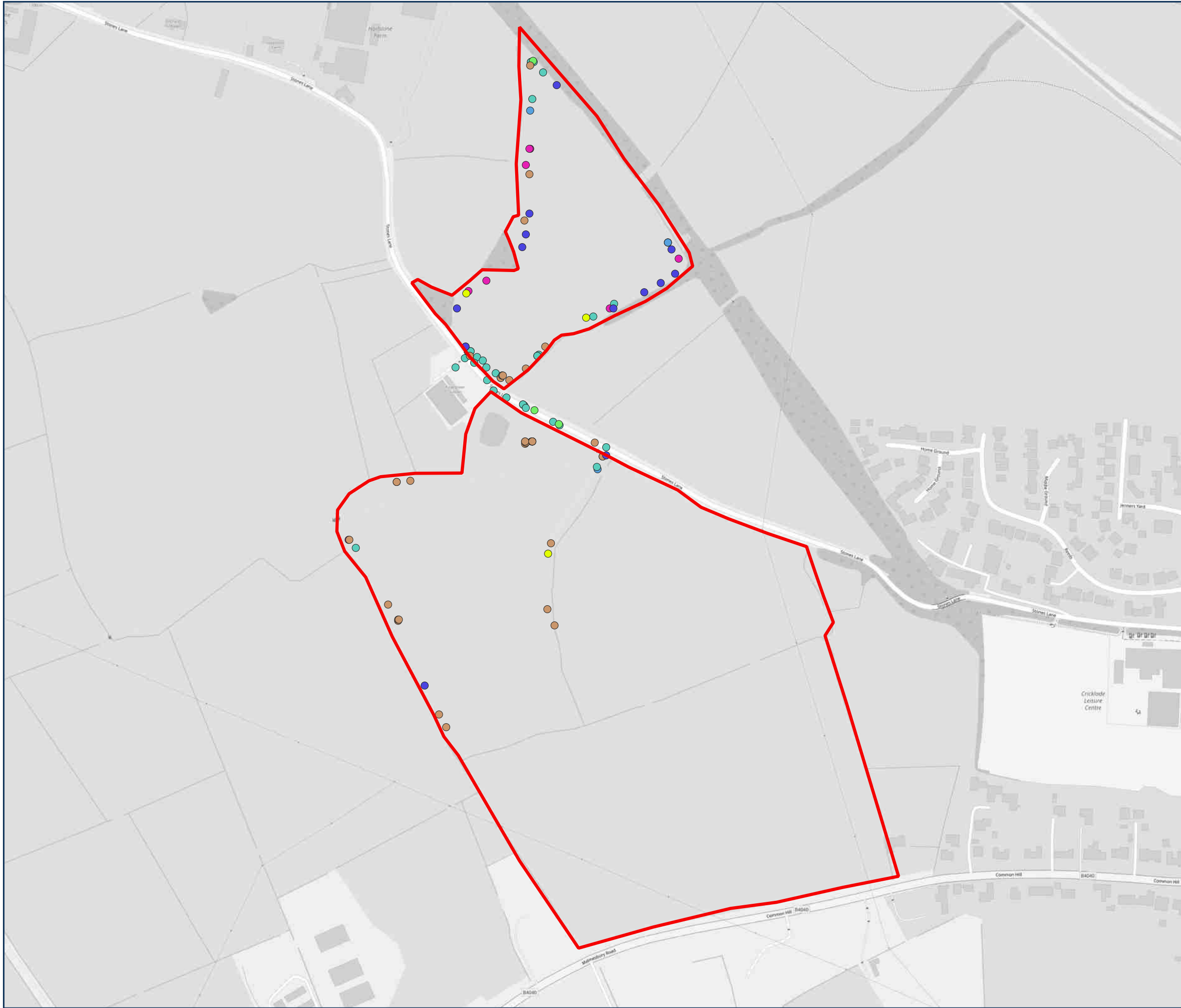


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Cricklade**

PLAN ECO3e: Bat Activity Survey Results 04.09.23	Rev: A Feb 2026
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Plan ECO3f – Bat Activity Survey
Results 26.09.2023



KEY:

- Application Site Boundary
- Serotine
- Myotis Species
- Leislars
- Noctule
- Nathusius Pipistrelle
- Common Pipistrelle
- Soprano Pipistrelle
- Brown Long-eared Bat



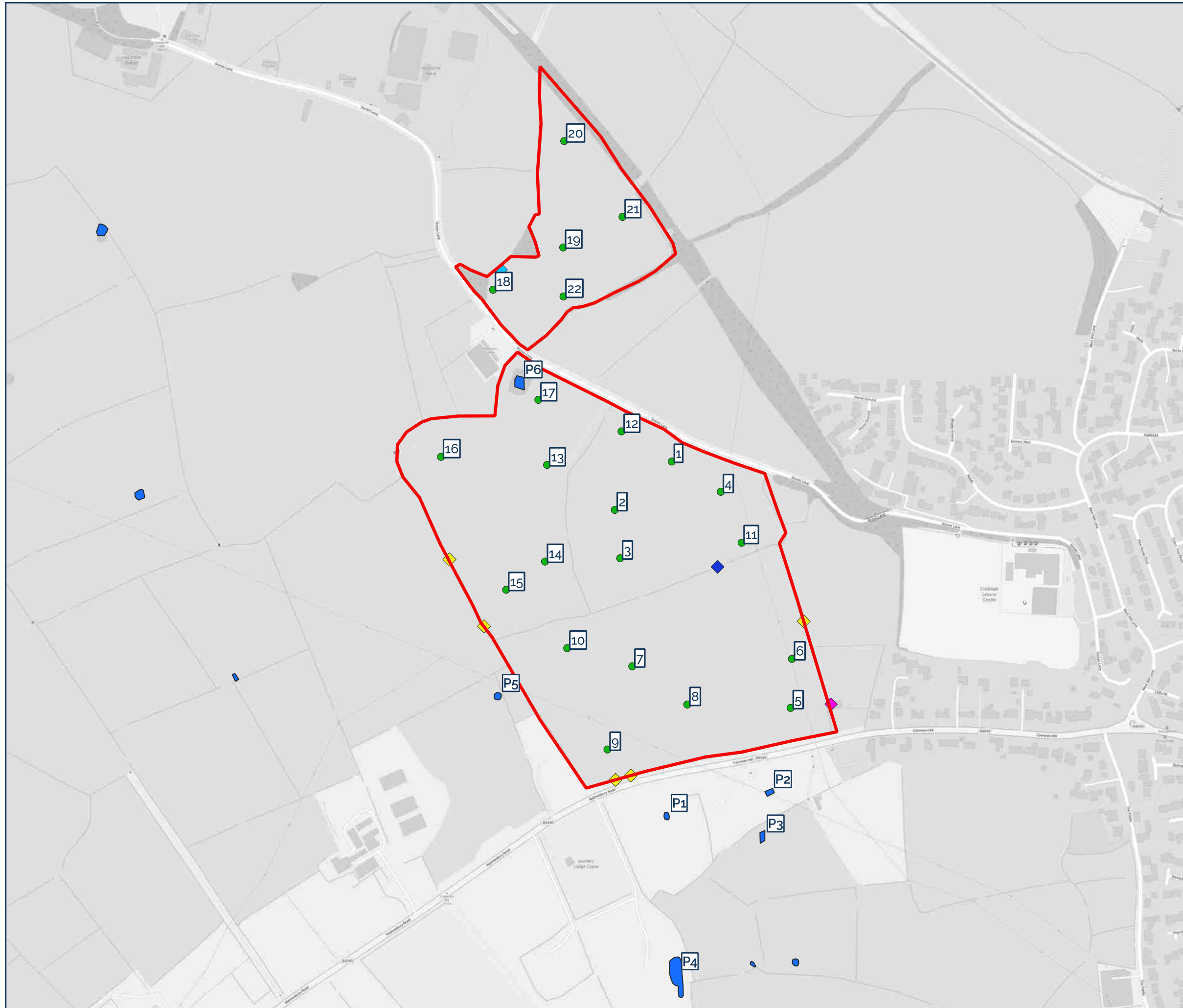
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**10742: Land at Malmesbury Road,
Cricklade**

PLAN ECO3f: Bat Activity Survey
Results 26.09.23

Rev: A
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Plan ECO4 – Protected Species Survey Results



KEY:

- Application Site Boundary
- Pond Locations
- Great Crested Newt location
- Badger Sett
- Trees Identified as PRF-I
- Trees Identified as PRF-M
- Quadrat Locations



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PLAN ECO4: Protected Species Survey Results	Rev: A Feb 2026
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Plan ECO5a – Breeding Bird
Survey Results 01.04.2025



KEY:

- Application Site Boundary
- Calling
- In Song
- Flying (Direction)



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PLAN ECO5a: Breeding Bird Survey Results 01/04/25	Rev: A Feb 2026
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Plan ECO5b – Breeding Bird
Survey Results 06.05.2025

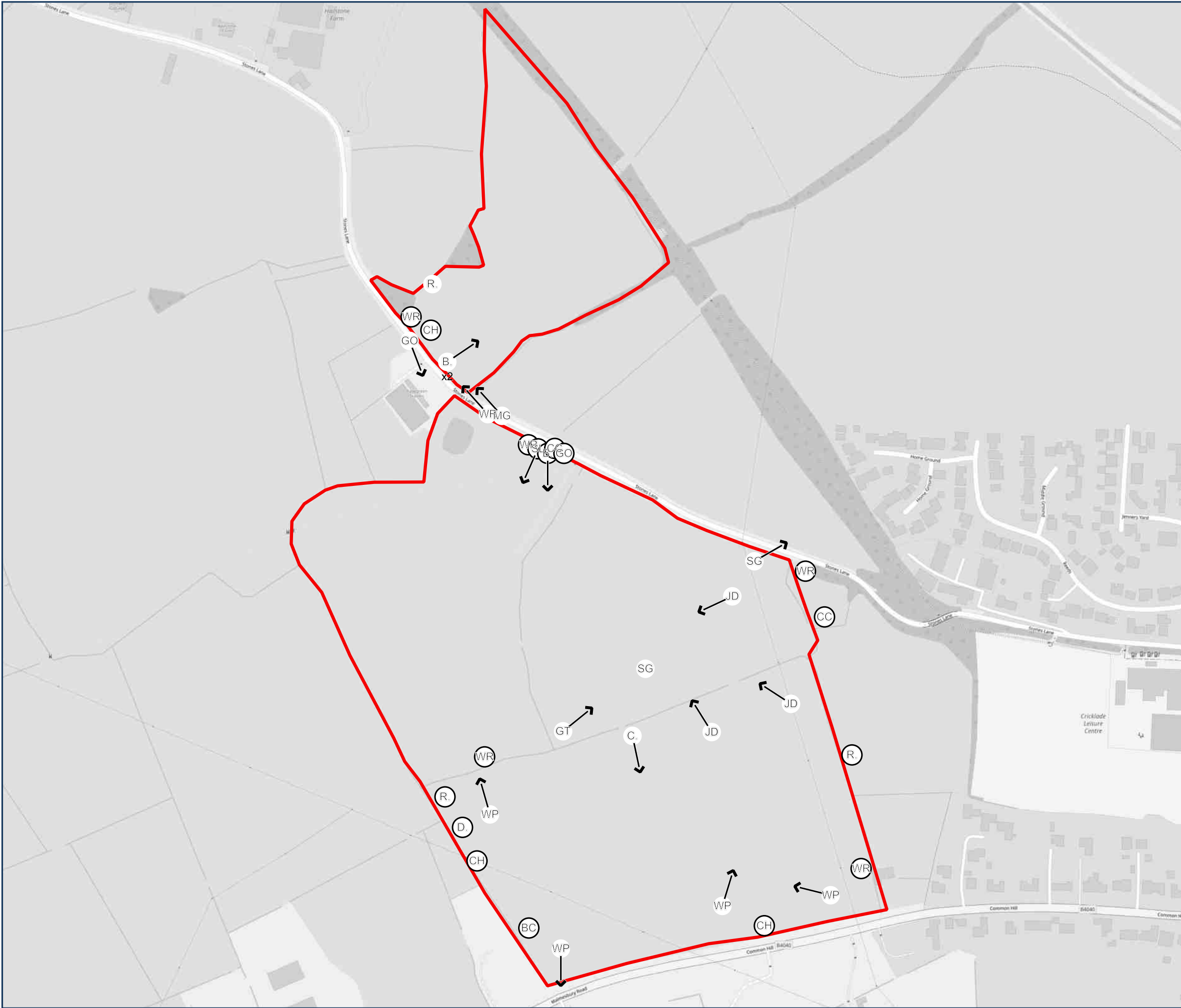
- Application Boundary
- In Song
- Calling
- Flying (Direction)
- food Carrying food



10742: Land at Malmsbury Road,
Cricklade

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Plan ECO5c – Breeding Bird
Survey Results 19.05.2025



KEY:

- Application Site Boundary
- In Song
- Flying (Direction)



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Cricklade

PLAN ECO5c: Breeding Bird Survey Results 19/05/25	Rev: A Feb 2026
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Plan ECO5d – Breeding Bird
Survey Results 06.06.2025

- Application Site Boundary
- In Song
- Flying (Direction)



10742: Land at Malmsbury Road,
Cricklade

PLAN ECO5d: Breeding Bird Survey Results 06/06/25	Rev: A Feb 2026
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Plan ECO5e – Breeding Bird
Survey Results 17.06.2025



KEY:

- Application Site Boundary
- In Song
- Calling
- Flying (Direction)





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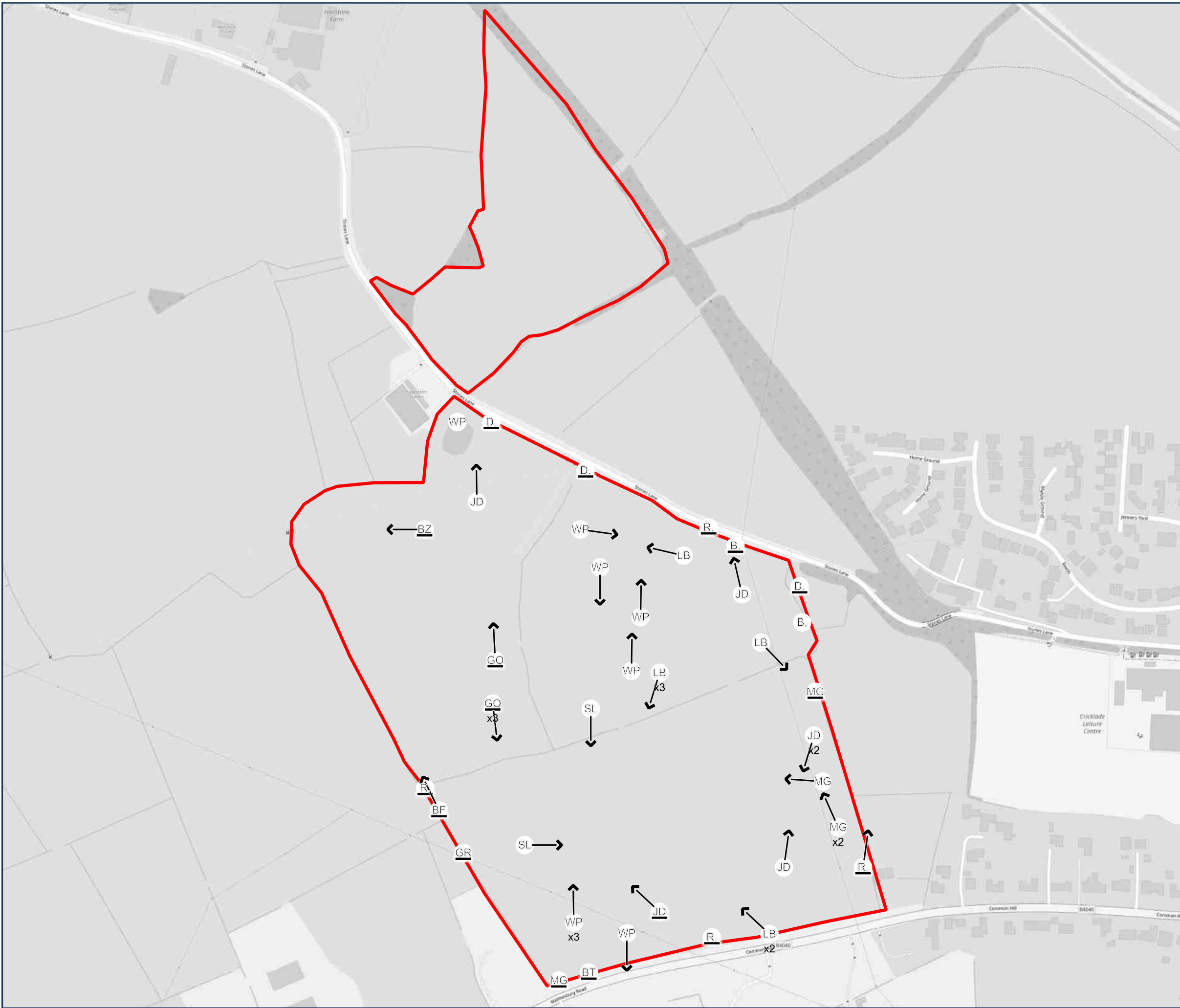
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Cricklade**

PLAN ECO5e: Breeding Bird Survey Results 17/06/25	Rev: A Feb 2026
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Plan ECO5f – Breeding Bird Survey
Results 08.07.2025

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KEY:

Application Site Boundary

Calling

Flying (Direction)





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PLAN ECO5f: Breeding Bird Survey Results 08/07/25	Rev: A Feb 2026

Appendices

Appendix 1 – Information downloaded
from Multi-Agency Geographic
Information for the Countryside (MAGIC)

Appendix 2 – Site Photographs



Photograph 1 – Field 1 looking south towards field 2



Photograph 2 – T4 identified as a PRF-M



Photograph 3 – Field 1 looking east along hedgerow 1 along stones lane



Photograph 4 – T7 Identified as a PRF-I in field 2



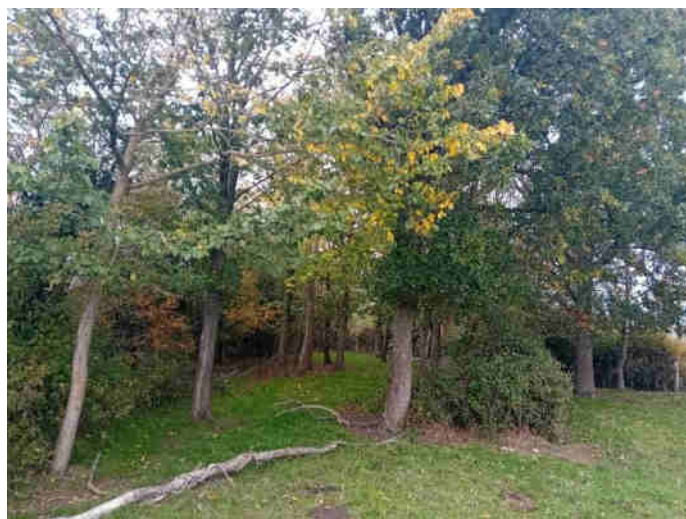
Photograph 5 – Field 3 small area of ruderal vegetation, previously where pond was reported to be located



Photograph 6 – Field 3 facing south



Photograph 7 – T11 Identified as PRF-I



Photograph 8 – Woodland area located in field 4



Photograph 9 – field 4 facing northeast



Photograph 10 – field 4 facing north

Appendix 3 – Great Crested eDNA results

Folio No: E14365
Report No: 1
Purchase Order: AA 10742
Client: ECOLOGY SOLUTIONS LTD
Contact: Kitty OBrien

TECHNICAL REPORT

ANALYSIS OF ENVIRONMENTAL DNA IN POND WATER FOR THE DETECTION OF GREAT CRESTED NEWTS (TRITURUS CRISTATUS)

SUMMARY

When great crested newts (GCN), *Triturus cristatus*, inhabit a pond, they continuously release small amounts of their DNA into the environment. By collecting and analysing water samples, we can detect these small traces of environmental DNA (eDNA) to confirm GCN habitation or establish GCN absence.

RESULTS

Date sample received at Laboratory: 22/06/2022
Date Reported: 01/07/2022
Matters Affecting Results: None

Lab Sample No.	Site Name	O/S Reference	SIC	DC	IC	Result	Positive Replicates
5514	P1 Cricklade	East 408582 North 193491	Pass	Pass	Pass	Positive	12

If you have any questions regarding results, please contact us: ForensicEcology@surescreen.com

Reported by: Esther Strafford

Approved by: Gabriela Danickova



METHODOLOGY

The samples detailed above have been analysed for the presence of GCN eDNA following the protocol stated in DEFRA WC1067 'Analytical and methodological development for improved surveillance of the Great Crested Newt, Appendix 5.' (Biggs et al. 2014). Each of the 6 sub-sample tubes are first centrifuged and pooled together into a single sample which then undergoes DNA extraction. The extracted sample is then analysed using real time PCR (qPCR), which uses species-specific molecular markers to amplify GCN DNA within a sample. These markers are unique to GCN DNA, meaning that there should be no detection of closely related species.

If GCN DNA is present, the DNA is amplified up to a detectable level, resulting in positive species detection. If GCN DNA is not present then amplification does not occur, and a negative result is recorded.

Analysis of eDNA requires scrupulous attention to detail to prevent risk of contamination. True positive controls, negative controls and spiked synthetic DNA are included in every analysis and these have to be correct before any result is declared and reported. Stages of the DNA analysis are also conducted in different buildings at our premises for added security.

SureScreen Scientifics Ltd is ISO9001 accredited and participate in Natural England's proficiency testing scheme for GCN eDNA testing. We also carry out regular inter-laboratory checks on accuracy of results as part of our quality control procedures.

INTERPRETATION OF RESULTS

- SIC:** **Sample Integrity Check** [Pass/Fail]
When samples are received in the laboratory, they are inspected for any tube leakage, suitability of sample (not too much mud or weed etc.) and absence of any factors that could potentially lead to inconclusive results.
- DC:** **Degradation Check** [Pass/Fail]
Analysis of the spiked DNA marker to see if there has been degradation of the kit or sample between the date it was made to the date of analysis. Degradation of the spiked DNA marker may lead indicate a risk of false negative results.
- IC:** **Inhibition Check** [Pass/Fail]
The presence of inhibitors within a sample are assessed using a DNA marker. If inhibition is detected, samples are purified and re-analysed. Inhibitors cannot always be removed, if the inhibition check fails, the sample should be re-collected.
- Result:** **Presence of GCN eDNA** [Positive/Negative/Inconclusive]
Positive: GCN DNA was identified within the sample, indicative of GCN presence within the sampling location at the time the sample was taken or within the recent past at the sampling location.
Positive Replicates: Number of positive qPCR replicates out of a series of 12. If one or more of these are found to be positive the pond is declared positive for GCN presence. It may be assumed that small fractions of positive analyses suggest low level presence, but this cannot currently be used for population studies. In accordance with Natural England protocol, even a score of 1/12 is declared positive. 0/12 indicates negative GCN presence.
Negative: GCN eDNA was not detected or is below the threshold detection level and the test result should be considered as evidence of GCN absence, however, does not exclude the potential for GCN presence below the limit of detection.



Appendix 4 – Suitable Bat Box Examples

Colony Bat Box

Schwegler Bat Colony Box 1FS



Dimensions
Height: 44cm
Width: 38cm
Weight: 10kg

This type of box provides bats with a very large internal space, allowing large numbers of Bats to congregate, therefore making it suitable for accommodating large colonies. It is especially popular with Common Noctule Bats, Daubenton's Bats and Brown Long-Eared Bats. Nursery roosts with between 70 and 100 animals (including Noctule Bats) are common.

Thanks to the large interior and the integrated roof panel with an insulated grill there are ideal clinging options. For large numbers of individuals, this type of box is very attractive for forming nursery roosts and for rearing young.

The front panel consists of triple corrugated wooden boards. On the inside of the roof there is a special clinging panel with insulated mesh, where Bats find optimum clinging and clutching/clawing sites.

Bat Boxes

Bat Roost Ridge

The Bat Ridge Roost provides a habitable roost space for small crevice-dwelling bat species found in the UK.

The dual purpose product, also acts as a ridge end cap, providing a durable and protected covered finish for most styles of round ridge tiles and is located at the end of the ridge tiles on a gable end.

Size: 264x276x141mm

Weight: 0.7kg



Schwegler Bat Box 1FF

The Schwegler 1FF bat box is spacious enough for bats to use as a summer roost or nursery site, and the inner dimensions of the 1FF have a reducing width making it ideal for bat species which inhabit crevices such as pipistrelle and noctule bats.

Dimensions: 27 x 14 x 43 cm (L x W x H)

Weight: 9.5kg

Ibstock Bat Box C

If you would like to accommodate crevice dwelling bats, like pipistrelles, in new builds then the Ibstock Enclosed Bat Box 'C' is a solution that can be integrated directly into the brickwork to produce a discrete but attractive home for bats.

215 x 215 mm / 215 x 290 mm

Please note that this box is designed to be installed flush with a wall.



Images and text adapted from manufacturer's websites:

www.ibstock.com/eco-products
www.habibat.co.uk

Appendix 5 – Suitable Bird Box Examples

Bird Boxes

No.10 Schwegler Swallow Nest

This Barn Swallow Bowl made from durable woodcrete has been specially designed to accommodate swallows. These bowls should be mounted externally onto facades with a small gap between the ceiling and the edge of the nest.

Dimensions: 11x25x14cm HxWxD
Weight:560g



Schwegler 1SP House Sparrow Nest Box

House sparrows are sociable opportunists that survive in most UK habitats, from towns and cities to farmland and countryside. Substantial declines in both urban and rural populations have led to concerns for this species.

, 430x245x150mm HxWxD



Vivara Pro Seville 32mm WoodStone Nest Box

These 32mm hole nest boxes are suitable for blue tits, tree sparrows, house sparrows, great tits, crested tits, nuthatches, coal tits and pied flycatchers. The best height for your nest box is between 1.5m and 3m high, and should be sited higher if your area has a particularly high cat population

Vivara Pro Seville 28mm WoodStone Nest Box

These 28mm hole nest boxes are suitable for blue tits, tree sparrows, great tits, crested tits, coal tits and pied flycatchers. This robust material safeguards against attacks from predators such as woodpeckers, cats and squirrels, whilst also providing a well insulated interior with a more consistent internal temperature than an ordinary wooden box.



Bird Boxes



Manthorpe Swift Nesting Brick

The Manthorpe Swift Brick has been developed in conjunction with major house builders and conservation experts to provide a safe, spacious and habitable area to allow swifts to nest within the well built construction of modern houses.

Size: 227x80mm
Opening: 29x65mm

Manthorpe Dual Swift Brick

The Manthorpe Dual Swift Brick has been developed in conjunction with major house builders and conservation experts to improve the biodiversity of the built environment, providing a safe, spacious and habitable area to allow swifts to nest within the construction of modern houses.

Size 445x85x150mm.
Opening Size: 29x65mm





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