

## Appendix A

PRA SURVEY RESULTS





### **Preliminary Roost Assessment Survey Results**

| Structure<br>number | Building Ref.             | Grid<br>Reference | Description  | Features present  | BCT<br>suitability <sup>45</sup> | Number of surveys required |
|---------------------|---------------------------|-------------------|--|---|----------------------------------|----------------------------|
| 1                   | 10550 -<br>Dwelling house |                   | Residential home.  | Residential home.  Multiple access points for roosting bats <sup>46</sup>   |                                  | 1                          |
| 2                   | 10550 – Dog<br>kennel     |                   | No description or photos – to be updated in 2019   | No features   | Negligible                       | 0                          |
| 3                   | 10900 -<br>Dwelling house | SU 99758<br>07347 | Detached residential home. Two storey brick build with assumed loft conversion. Tiled roof with chimney stack  | Multiple access points for roosting bats <sup>48</sup>  | Moderate                         | 1                          |
| 4                   | 10900 -<br>Shed/workshop  | SU 99759<br>07324 | No description or photos – to be updated in 2019   | No features   | Negligible                       | 0                          |
| 5                   | 10375 -<br>Dwelling house | SU 97096<br>06771 | Single storey brick built bungalow with 2m high walls and pitched roof to a height of 4m at ridge. Roof tiled with slate tiles and ridge and hip tiles were clay / concrete fibre. Brickwork, pointing and roof tiles all in good condition and well maintained. Closed wooden soffit box that was tight fitting. Ridge tiles and lead flashing tight fitting. Wooden bargeboards on | <ul> <li>Some raised slate tiles on eastern elevation</li> <li>Slipped wooden plank under soffit on north-eastern corner that is a potential access point (no signs).</li> <li>Wooden bargeboard with closed soffit on northern elevation with some gaps between the</li> </ul> | Moderate                         | 1                          |

<sup>&</sup>lt;sup>45</sup> Collins, J. (ed.) (2016) Bat Surveys for Professional Ecologists: Good Practice Guidelines (3<sup>rd</sup> edn). The Bat Conservation Trust, London. ISBN-13 978-1-872745-96-1

<sup>&</sup>lt;sup>46</sup> These structures are scheduled to be revisited and reassessed during 2018 surveys to provide more detail

| Structure<br>number | Building Ref.   | Grid<br>Reference | Description   | Features present   | BCT<br>suitability <sup>45</sup> | Number<br>of<br>surveys<br>required |
|---------------------|---|-------------------|---|--|----------------------------------|-------------------------------------|
|                     |   |                   | east facing gable with closed wooden soffits. Small flat- roofed new extension with roofing felt present on eastern 'leg' of dwelling in good condition | brickwork and soffit.  Raised roof tiles on other elevations, including adjacent to bargeboards.  Gaps between soffit and brickwork on western elevation go up into internal soffit space. No droppings present. |                                  |                                     |
| 6                   | 10375 - Shed<br>in garden                             | SU 97103<br>06737 | Timber-framed garden shed, timber weatherboarding with bitumastic felt covered pitched roof. Good condition   | No features  | Negligible                       | 0                                   |
| 7                   | 10375 - Shed<br>in garden next<br>to boundary<br>wall | SU 97071<br>06740 | Timber-framed garden shed, timber weatherboarding with bitumastic felt covered pitched roof. Good condition   | No features  | Negligible                       | 0                                   |
| 8                   | 10375 - Shed<br>on western<br>side of small<br>copse  | SU 97224<br>06752 | Flat-roofed timber<br>shed with timber<br>weatherboarding to<br>2m in height  | <ul> <li>Gap between<br/>the timber face<br/>and roof on<br/>west side of the<br/>shed</li> </ul>  | Low                              | 1                                   |
| 9                   | 11250 -<br>Garden shed 1                              | TQ 00586<br>05861 | Timber-framed garden shed, timber weatherboarding with bitumastic felt covered pitched roof. Good condition   | No features  | Negligible                       | 0                                   |



| Structure<br>number | Building Ref.                           | Grid<br>Reference | Description  | Features present                                       | BCT<br>suitability <sup>45</sup> | Number<br>of<br>surveys<br>required |
|---------------------|---|-------------------|--|--|----------------------------------|-------------------------------------|
| 10                  | 11250 -<br>Garden shed 2                | TQ 00622<br>05831 | Timber-framed garden shed, timber weatherboarding with bitumastic felt covered pitched roof. Good condition                          | No features  | Negligible                       | 0                                   |
| 11                  | 11235 -<br>Timber-framed<br>structure 1 | TQ 00885<br>05765 | A campsite toilet / wash area. A wooden structure. Timber-framed structure, timber weatherboarding with bitumastic felt covered roof | Multiple access points for roosting bats <sup>48</sup> | Low                              | 1                                   |
| 12                  | 11235 -<br>Timber-framed<br>structure 2 | TQ 00887<br>05717 | Timber framed campsite building with timber weatherboarding and roof   | Multiple access points for roosting bats <sup>48</sup> | Low                              | 1                                   |
| 13                  | 11235 -<br>Timber-framed<br>cabin 3     | TQ 00893<br>05646 | Timber-framed structure, timber weatherboarding with corrugated metal roofing  | Multiple access points for roosting bats <sup>48</sup> | Low                              | 1                                   |
| 14                  | 11235 -<br>Timber-framed<br>outbuilding | TQ 00999<br>05715 | Timber-framed garden shed, timber weatherboarding and roof. Good condition   | No features  | Negligible                       | 0                                   |
| 15                  | 11765 –<br>Derelict farm<br>building 1  | TQ 01678<br>06051 | Derelict brick<br>building. No roof  | No features  | Negligible                       | 0                                   |
| 16                  | 11765 – Open<br>farm building           | TQ 02163<br>06050 | Derelict brick<br>building used for<br>sheep shelter.<br>Metal roofing   | No features  | Negligible                       | 0                                   |
| 17                  | 12275 –<br>Derelict farm<br>building    | TQ 01787<br>06663 | Stone building   | No features  | Negligible                       | 0                                   |

| Structure<br>number | Building Ref.             | Grid<br>Reference | Description   | Features present   | BCT<br>suitability <sup>45</sup> | Number<br>of<br>surveys<br>required |
|---------------------|---------------------------|-------------------|---|--|----------------------------------|-------------------------------------|
| 18                  | Bridge over<br>River Arun | TW 01459<br>06795 | The Arun Bridge is a concrete span bridge, crossing both a road and the River Arun. The bridge has concrete abutments, a concrete deck and multi girder centre arch. The bridge is well lit from above with street lights across the top along the road | <ul> <li>No suitable roosting features were seen on the main bridge</li> <li>However, both abutments have access to internal dark voids where, whilst there are no crevices, there is a space which may be suitable for roosting and hibernating bats</li> <li>The open nature of the voids means that they are exposed to wind and rain meaning little thermal stability.</li> <li>No other suitable features were present due to crevices being too wide, open and damp</li> </ul> | Low                              | 1                                   |
| 19                  | Railway Bridge            | TQ 02286<br>06069 | Not surveyed- no access permitted   |  |                                  |                                     |

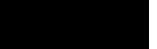
### **Appendix B**

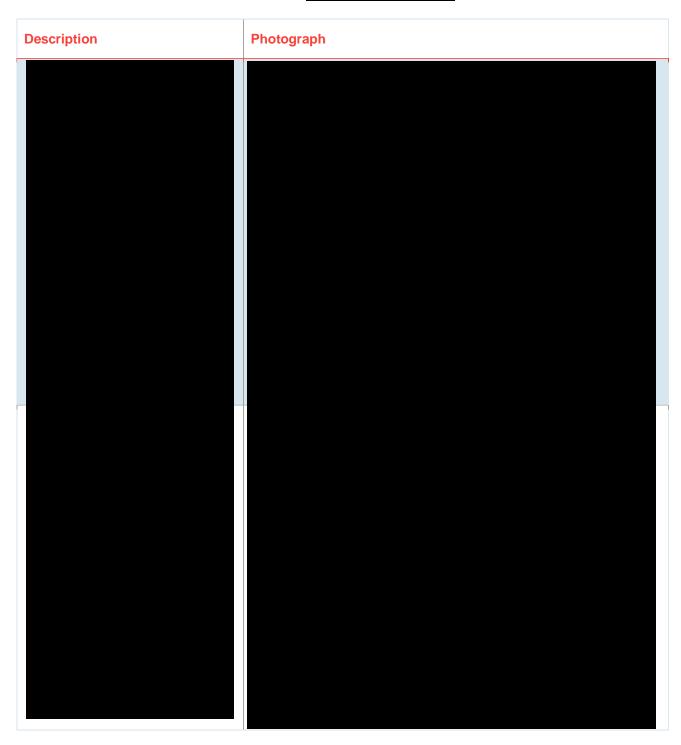


BAT EMERGENCE LOCATIONS AND FLIGHT PATHS



### Bat emergence locations and flight paths









# Appendix C

IMAGES OF STRUCTURES SURVEYED





| Structure reference                                    | Image | Description  |
|--|-------|--|
| 1  |       | 10550 - Dwelling house   |
| Additional -<br>Structure<br>(opposite<br>Structure 1) |       | No access therefore not inspected- see Limitations section comment 3.1.2.  This stable was identified during the assessment of Structure 1 (above), and is likely to have suitable features for bats |
| 2  |       | 10550 – Dog kennel   |
| 3  |       | 10900 - Dwelling house   |
| 4  |       | 10900 - Shed/workshop  |
| 5  |       | 10375 - Dwelling house   |



| 6 | 10375 - Shed in garden   |
|---|--|
| 7 | 10375 - Shed in garden next to boundary wall   |
| 8 | 10375 - Shed on<br>western side small<br>copse near field. Flat-<br>roofed timber shed with<br>timber weatherboarding<br>to 2m in height |
| 9 | 11250 - Garden shed 1  |



| 10 | 11250 - Garden shed 2             |
|----|-----------------------------------|
| 11 | 11235 - Timber-framed structure 1 |
| 12 | 11235 - Timber-framed structure 2 |
| 13 | 11235 - Timber-framed cabin       |



| 14 |               | 11235 - Timber-framed outbuilding   |
|----|---------------|---|
| 15 |               | 11765 – Derelict farm<br>building 1   |
| 16 | No photograph | 11765 – Open farm<br>building 2   |
| 17 | No photograph | 12275 – Derelict farm building  |
| 18 |               | One of the two bridge abutments that require a further survey. Dark void behind the corrugated sheet. |
|    |               | Void inside abutment which may provide roosting opportunity   |





# **Appendix D**

WSD

WEATHER CONDITIONS



### Weather conditions throughout the emergence / re-entry surveys

| Structure | Date     | Temp (°C) |     | Cloud cover (Oktas) |     | Wind  |     | Precipitation |     |
|-----------|----------|-----------|-----|---------------------|-----|-------|-----|---------------|-----|
|           |          | Start     | End | Start               | End | Start | End | Start         | End |
| 1         | 23.8.18  | 20        | 18  | 4                   | 1   | 4     | 3   | 0             | 0   |
| 3         | 24.8.18  | 17        | 16  | 0                   | 6   | 0     | 0   | 0             | 0   |
| 5         | 29.8.17  | 24        | 22  | 7                   | 7   | 0     | 2   | 0             | 0   |
| 8         | 29.8.17  | 26        | 21  | 6                   | 4   | 0     | 1   | 0             | 0   |
| 11        | 30.8.17  | 16        | 15  | 7                   | 8   | 5     | 6   | 2             | 3   |
| 12        | 30.8.17  | 17        | 14  | 8                   | 7   | 4     | 5   | 3             | 1   |
| 13        | 30.08.17 | 17        | 15  | 8                   | 6   | 4     | 4   | 2             | 1   |



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