



Norwich Western Link

Environmental Statement

Chapter 11: Bats:

Appendix 4a: Background

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1 Introduction

1.1 Background

1.1.1 WSP UK Ltd was commissioned by NCC in 2021 to complete a comprehensive suite of bat activity surveys for the Proposed Scheme, including a number of bat activity surveys during winter 2020/2021 and all summer activity surveys (ranging from 2019 to 2021).

1.1.2 Technical appendix 4a presents a map showing the Survey Area and reference locations used for the activity surveys. A series of maps show the vantage point survey locations, the winter automated detector locations and summer automated detector locations. The maps show the Survey Area within which vantage point surveys were undertaken, with the area spanning the entire north to south arc of the Proposed Scheme. This covers from Fakenham Road A1067 at the north end, to the B1535 Junction with the A47 Junction at Honingham in the south. The Survey Area also stretches from east to west, from Ringland in the east to the previous RAF Attlebridge airbase in the west.

Figure A-1

1.1.3 Figure A-1 shows the Site Boundary and reference locations including the Key Area Labels and also the Hard Engineering Corridor. The map also shows the distribution of locations across the Proposed Scheme, from north to south: River Wensum, Northern Woodlands, Long Plantation, Ringland Lane, Unnamed Woodland South of Ringland Lane, Hedgerow north of Weston Road, Weston Road, The Broadway, Foxburrow Plantation and Foxburrow Stream.

Figure A-2

1.1.4 A total of eight vantage point survey locations were surveyed in 2020. These were locations which had been identified as supporting higher levels of bat activity in 2019 recorded by automated bat detectors, and where further understanding was required regarding the nature of activity in these areas.



1.1.5 Figure A-2 shows the vantage point survey locations for 2020/2021 from north-east to south-west: VP1, VP2, VP 3, VP 4, VP5, VP6, VP7 and VP8 across the Site Boundary.

Figure A-3

Figure A-3 shows the winter automated detector locations for 2020/2021 within the Site Boundary.

- A – River Wensum and grassland – grassland to the east of the Site Boundary, including a detector location at the River Wensum (C1)
- B - The Northern Woodlands – a complex of woodlands to the north of the Site Boundary, including Long Plantation, Rose Carr, and The Nursery (C49, C73, C74, C75)
- D - Spring Hills Woodland – woodland located west of the Northern Woodlands complex on the northern edge of the Site Boundary (C72)
- E – Long Plantation - block of mixed plantation woodland south of the Northern Long Plantation - block of mixed plantation woodland south of the Northern Woodlands and north of Ringland Lane (C8, C53, C70)
- F – Woodland south of Ringland Lane – a block of lowland mixed deciduous woodland, which will be severed by the Site Boundary (C68)
- G – Hedgerows north of Weston Road – a complex of native hedgerows which will be severed by the Site Boundary (C11)
- H – Hedgerows south of Weston Road – a complex of native hedgerows which will be severed by the Site Boundary (C65, C66, C67)
- I – The Broadway – a country lane lined with trees and plantation woodland on either side (C21, C62, C63, C64)
- M – Ungrouped Locations Adjacent to Ringland Lane (C69, C71)



Figure A-4

1.1.6 Figure A-4 shows the summer automated detector locations across the Site Boundary. The following automated detector location groups are displayed:

- A – River Wensum and grassland – grassland to the east of the Site Boundary, including a detector location at the River Wensum (C1, C39, D1, M43)
- B - The Northern Woodlands – a complex of woodlands to the north of the Site Boundary, including Long Plantation, Rose Carr, and The Nursery (C4, C37, C38, C48, C49, C57, C58, C60, C61)
- C – Grassland between woodlands – a grassland situated between the Northern Woodlands complex and Spring Hills woodland (M46, M47, M50, M51, M52)
- D - Spring Hills Woodland – woodland located west of the Northern Woodlands complex on the northern edge of the Site Boundary (C5, C6, C44, C45, C52)
- E – Long Plantation - block of mixed plantation woodland south of the Northern Long Plantation - block of mixed plantation woodland south of the Northern Woodlands and north of Ringland Lane (C7, C8, C53)
- F – Woodland south of Ringland Lane – a block of lowland mixed deciduous woodland, which will be severed by the Site Boundary (C18, C54, C55, C59).
- G – Hedgerows north of Weston Road – a complex of native hedgerows which will be severed by the Site Boundary (C11, C33, C35, C56, C78, C79, C80).
- H – Hedgerows south of Weston Road – a complex of native hedgerows which will be severed by the Site Boundary (B8, B8i, B9, C12, C28, C34, C81)
- I – The Broadway – a country lane lined with trees and plantation woodland on either side (B10i, C13, C13i, C20, C21, C22).



- J – Foxburrow Plantation – a woodland block to the south of the Site Boundary (B11i, B11ii, C14, C14i, C14ii, C15, C15i, C23, C24, C32, C41 and C42).
- K – Hedgerows South of Foxburrow Plantation – a group of hedgerows situated south of Foxburrow Plantation and of the Site Boundary (C25, C26, C29, C31, C40).
- L – Control Group (R1, R2, R3, R4, R5, R6, R7)
- M – Ungrouped locations (C19, C27, C76, C82)

Table A-1

1.1.7 Table A-1 shows the results of the detector deployments between May to September for the years 2019, 2020 and 2021 and October to April 2020/2021. From left to right, the first column details the detector location (B8-B11ii, C1-C82, D1, M43-M52 and R1-R7), which corresponds to the second column which states the month deployed (May to September repeated). The third column details the corresponding year associated with the first two columns (2019, 2020 and 2021). The fourth column displays the number of nights recorded as five. The final column details the reasons for less than five nights or missing months of data.

1.1.8 We have included a summary of key information shown in this document in an accessible format. However, some users may not be able to access all technical details. If you require this document in a more accessible format, please contact norwichwesternlink@norfolk.gov.uk.

Appendix A

Background Information

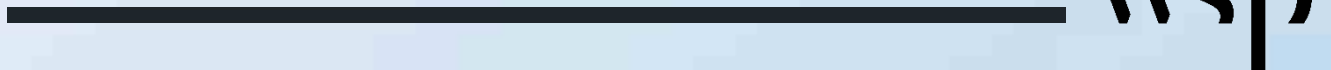




Figure A-1 – Scheme boundary and reference locations





Figure A-2 - Vantage point locations





Figure A-3 - Winter automated detector locations





Figure A-4 - Summer automated detector locations





Table A-1 - Detector deployments over May – September 2019, 2020, and 2021, and October - April 2020/2021 (refer to detector locations in Figure A-1 and Figure A-2).

Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
B8	May	2019	5	Location discontinued to enable more locations on the Scheme
B8i	May	2020	5	N/A
B8i	June	2020	5	N/A
B8i	July	2020	5	N/A
B8i	August	2020	5	N/A
B8i	September	2020	5	N/A
B9	May	2019	5	N/A
B9	June	2019	5	N/A
B9	July	2019	5	N/A
B9	August	2019	5	N/A
B9	September	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
B10i	May	2021	5	*B10i redeployed in September 2021 to give full 5 nights of data.
B10i	June	2019	5	*B10i redeployed in September 2021 to give full 5 nights of data.
B10i	July	2019	5	*B10i redeployed in September 2021 to give full 5 nights of data.
B10i	August	2019	5	*B10i redeployed in September 2021 to give full 5 nights of data.
B10i	September	2019	2	*B10i redeployed in September 2021 to give full 5 nights of data.
B10i	September*	2021	5	*B10i redeployed in September 2021 to give full 5 nights of data.
B11i	May	2020	5	N/A
B11i	June	2019	5	N/A
B11i	July	2019	5	N/A
B11i	August	2019	5	N/A
B11i	September	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
B11ii	May	N/A	N/A	Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere – large amounts of data already collected in Foxburrow Plantation.
B11ii	June	2019	5	Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere – large amounts of data already collected in Foxburrow Plantation.
B11ii	July	2019	5	Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere – large amounts of data already collected in Foxburrow Plantation.
B11ii	August	2019	5	Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere – large amounts of data already collected in Foxburrow Plantation.
B11ii	September	2019	5	Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere – large amounts of data already collected in Foxburrow Plantation.
C1	January	2021	5*	*No calls on last morning.
C1	May	2020	5	*No calls on last morning.
C1	June	2019	5	*No calls on last morning.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C1	July	2019	5	*No calls on last morning.
C1	August	2020	5	*No calls on last morning.
C1	September	2020	5	*No calls on last morning.
C1	December	2020	5*	*No calls on last morning.
C4	May	2019	5	No August data due to system failure.
C4	June	2019	5	No August data due to system failure.
C4	July	2019	5	No August data due to system failure.
C4	August	N/A	N/A	No August data due to system failure.
C4	September	2020	5	No August data due to system failure.
C5	May	2019	5	N/A
C5	June	2019	5	N/A
C5	July	2019	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C5	August	2019	5	N/A
C5	September	2019	5	N/A
C6	May	2019	5	N/A
C6	June	2021	5	N/A
C6	July	2021	5	N/A
C6	August	2021	5	N/A
C6	September	2021	5	N/A
C7	May	2019	5	N/A
C7	June	2019	5	N/A
C7	July	2019	5	N/A
C7	August	2019	5	N/A
C7	September	2019	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C8	January	2021	5*	*No calls on last morning.
C8	February	2021	5	*No calls on last morning.
C8	March	2021	5	*No calls on last morning.
C8	April	2021	5*	*No calls on last morning.
C8	May	2019	5	*No calls on last morning.
C8	June	2019	5	*No calls on last morning.
C8	July	2019	5	*No calls on last morning.
C8	August	2019	5	*No calls on last morning.
C8	September	2019	5	*No calls on last morning.
C8	October	2020	5	*No calls on last morning.
C8	November	2020	5	*No calls on last morning.
C8	December	2020	5	*No calls on last morning.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C11	January	2021	5	*No calls on first evening. **No calls on last morning.
C11	February	2021	5	*No calls on first evening.
C11	March	2021	5	**No calls on last morning.
C11	April	2021	5*	*No calls on first evening.
C11	May	2019	5	**No calls on last morning.
C11	June	2019	5	*No calls on first evening.
C11	July	2019	5	**No calls on last morning.
C11	August	2020	5	*No calls on first evening.
C11	September	2020	5	**No calls on last morning.
C11	October	2020	5	*No calls on first evening.
C11	November	2020	5	**No calls on last morning.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C11	December	2020	5**	*No calls on first evening.
C12	May	2019	5	N/A
C12	June	2019	5	N/A
C12	July	2019	5	N/A
C12	August	2019	5	N/A
C12	September	2019	5	N/A
C13	May	N/A	N/A	Location adjusted to C13i and therefore only surveyed in June.
C13	June	2019	5	Location adjusted to C13i and therefore only surveyed in June.
C13	July	N/A	N/A	Location adjusted to C13i and therefore only surveyed in June.
C13	August	N/A	N/A	Location adjusted to C13i and therefore only surveyed in June.
C13	September	N/A	N/A	Location adjusted to C13i and therefore only surveyed in June.
C13i	May	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C13i	June	2019	5	N/A
C13i	July	2019	5	N/A
C13i	August	2019	5	N/A
C13i	September	2019	5	N/A
C14	June		5	Location adjusted to C14i and therefore only surveyed in June.
C14i	May	N/A	N/A	May and September not redeployed in 2020 due to being outside of the Scheme alignment. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C14i	June	2019	5	May and September not redeployed in 2020 due to being outside of the Scheme alignment. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C14i	July	2019	5	May and September not redeployed in 2020 due to being outside of the Scheme alignment. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C14i	August	2019	5	May and September not redeployed in 2020 due to being outside of the Scheme alignment. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C14i	September	2019	1	May and September not redeployed in 2020 due to being outside of the Scheme alignment. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C14ii	May	2021	5	N/A
C14ii	June	2019	5	N/A
C14ii	July	2019	5	N/A
C14ii	August	2019	5	N/A
C14ii	September	2019	4	N/A
C15	May	N/A	N/A	Location adjusted to C15i and therefore only surveyed in June 2019 and not redeployed in 2020.
C15	June	2019	4	Location adjusted to C15i and therefore only surveyed in June 2019 and not redeployed in 2020.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C15	July	N/A	N/A	Location adjusted to C15i and therefore only surveyed in June 2019 and not redeployed in 2020.
C15	August	N/A	N/A	Location adjusted to C15i and therefore only surveyed in June 2019 and not redeployed in 2020.
C15	September	N/A	N/A	Location adjusted to C15i and therefore only surveyed in June 2019 and not redeployed in 2020.
C15i	May	N/A	N/A	C42 deployed in 2020 close to C15i.
C15i	June	2019	5	C42 deployed in 2020 close to C15i.
C15i	July	2019	5	C42 deployed in 2020 close to C15i.
C15i	August	2019	5	C42 deployed in 2020 close to C15i.
C15i	September	2019	4	C42 deployed in 2020 close to C15i.
C18	May	2019	5	Referred to as C77 in 2021. *No calls last morning
C18	May	2021	5	Referred to as C77 in 2021.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C18	June	2019	5	*No calls last morning
C18	June	2021	5	Referred to as C77 in 2021.
C18	July	2019	5	*No calls last morning
C18	July	2021	5	Referred to as C77 in 2021.
C18	August	2019	5	*No calls last morning
C18	August	2021	5*	Referred to as C77 in 2021.
C18	September	2019	5	*No calls last morning
C18	September	2021	5	Referred to as C77 in 2021.
C19	May	2019	5	N/A
C19	June	2020	5	N/A
C19	July	2019	5	N/A
C19	August	2019	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C19	September	2019	5	N/A
C20	May	N/A	N/A	In close proximity to two other detectors (C21 and C22) therefore deemed sufficient for only C21 to be redeployed in May.
C20	June	2019	5	In close proximity to two other detectors (C21 and C22) therefore deemed sufficient for only C21 to be redeployed in May.
C20	July	2019	5	In close proximity to two other detectors (C21 and C22) therefore deemed sufficient for only C21 to be redeployed in May.
C20	August	2019	5	In close proximity to two other detectors (C21 and C22) therefore deemed sufficient for only C21 to be redeployed in May.
C20	September	2019	5	In close proximity to two other detectors (C21 and C22) therefore deemed sufficient for only C21 to be redeployed in May.
C21	January	2021	5	N/A
C21	February	2021	5	N/A
C21	March	2021	5	N/A
C21	April	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C21	May	2020	5	N/A
C21	June	2019	5	N/A
C21	July	2020	5	N/A
C21	August	2019	5	N/A
C21	September	2019	5	N/A
C21	October	2020	5	N/A
C21	November	2020	5	N/A
C21	December	2020	5	N/A
C22	May	N/A	N/A	In close proximity to two other detectors (C20 and C21) therefore deemed sufficient for only C21 to be redeployed in May.
C22	June	2019	5	In close proximity to two other detectors (C20 and C21) therefore deemed sufficient for only C21 to be redeployed in May.
C22	July	2019	5	In close proximity to two other detectors (C20 and C21) therefore deemed sufficient for only C21 to be redeployed in May.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C22	August	2019	5	In close proximity to two other detectors (C20 and C21) therefore deemed sufficient for only C21 to be redeployed in May.
C22	September	2019	5	In close proximity to two other detectors (C20 and C21) therefore deemed sufficient for only C21 to be redeployed in May.
C23	May	2020	5	N/A
C23	June	2019	5	N/A
C23	July	2019	5	N/A
C23	August	2019	5	N/A
C23	September	2019	5	N/A
C23	May	2020	5	N/A
C23	June	2019	5	N/A
C23	July	2019	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C23	August	2019	5	N/A
C23	September	2020	5	N/A
C25	May	2020	5	N/A
C25	June	2019	5	N/A
C25	July	2019	5	N/A
C25	August	2020	5	N/A
C25	September	2019	5	N/A
C26	May	N/A	N/A	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C26	June	2019	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C26	July	2019	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C26	August	2019	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C26	September	2019	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C27	May	2020	5	N/A
C27	June	2019	5	N/A
C27	July	2019	5	N/A
C27	August	2019	5	N/A
C27	September	2019	5	N/A
C28	May	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C28	June	2020	5	N/A
C28	July	2019	5	N/A
C28	August	2019	5	N/A
C28	September	2020	5	N/A
C29	May	2020	5	N/A
C29	June	2020	5	N/A
C29	July	2019	5	N/A
C29	August	2019	5	N/A
C29	September	2019	5	N/A
C31	May	2020	5	N/A
C31	June	2020	5	N/A
C31	July	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C31	August	2020	5	N/A
C31	September	2020	5	N/A
C32	May	2020	5	N/A
C32	June	2020	5	N/A
C32	July	2020	5	N/A
C32	August	2020	5	N/A
C32	September	2020	5	N/A
C33	May	2020	5	N/A
C33	June	2020	5	N/A
C33	July	2020	5	N/A
C33	August	2020	5	N/A
C33	September	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C34	May	N/A	N/A	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C34	June	2020	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C34	July	2020	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C34	August	2020	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C34	September	2020	5	No May data due to location being added at a later date. Not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere.
C35	May	2021	5	N/A
C35	June	2020	5	N/A
C35	July	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C35	August	2020	5	N/A
C35	September	2020	5	N/A
C37	May	2021	5	N/A
C37	June	2021	5	N/A
C37	July	2020	5	N/A
C37	August	2020	5	N/A
C37	September	2020	5	N/A
C38	May	2021	5	N/A
C38	June	2021	5	N/A
C38	July	2020	5	N/A
C38	August	2020	5	N/A
C38	September	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C39	May	2020	5	N/A
C39	June	2020	5	N/A
C39	July	2020	5	N/A
C39	August	2020	5	N/A
C39	September	2020	5	N/A
C40	May	2020	5	N/A
C40	June	2020	5	N/A
C40	July	2020	5	N/A
C40	August	2020	5	N/A
C40	September	2020	5	N/A
C41	May	2020	5	N/A
C41	June	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C41	July	2020	5	N/A
C41	August	2020	5	N/A
C41	September	2021	5	N/A
C42	May	2020	5	N/A
C42	June	2020	5	N/A
C42	July	2020	5	N/A
C42	August	2020	5	N/A
C42	September	2020	5	N/A
C44	May	2021	5	N/A
C44	June	2021	5	N/A
C44	July	2020	5	N/A
C44	August	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C44	September	2020	5	N/A
C45	May	2021	5	N/A
C45	June	2021	5	N/A
C45	July	2020	5	N/A
C45	August	2020	5	N/A
C45	September	2020	5	N/A
C48	May	N/A	N/A	Access restrictions prevented May and June 2020 deployments. July deployment failed. Not redeployed for gap filling in 2021 due to close proximity to C4.
C48	June	N/A	N/A	Access restrictions prevented May and June 2020 deployments. July deployment failed. Not redeployed for gap filling in 2021 due to close proximity to C4.
C48	July	N/A	N/A	Access restrictions prevented May and June 2020 deployments. July deployment failed. Not redeployed for gap filling in 2021 due to close proximity to C4.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C48	August	2020	5	Access restrictions prevented May and June 2020 deployments. July deployment failed. Not redeployed for gap filling in 2021 due to close proximity to C4.
C48	September	2020	5	Access restrictions prevented May and June 2020 deployments. July deployment failed. Not redeployed for gap filling in 2021 due to close proximity to C4.
C49	January	2021	5	N/A
C49	February	2021	5	N/A
C49	March	2021	5	N/A
C49	April	2021	5	N/A
C49	May	2021	5	N/A
C49	June	2021	5	N/A
C49	July	2020	5	N/A
C49	August	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C49	September	2020	5	N/A
C49	October	2020	5	N/A
C49	November	2020	5	N/A
C49	December	2020	5	N/A
C52	May	2021	5	N/A
C52	June	2021	5	N/A
C52	July	2020	5	N/A
C52	August	2020	5	N/A
C52	September	2020	5	N/A
C53	January	2021	5	N/A
C53	February	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C53	March	2021	5	N/A
C53	April	2021	5	N/A
C53	May	2021	5	N/A
C53	June	2021	5	N/A
C53	July	2020	5	N/A
C53	August	2020	5	N/A
C53	September	2020	5	N/A
C53	October	2020	5	N/A
C53	November	2020	5	N/A
C53	December	2020	5	N/A
C54	May	2021	5	N/A
C54	June	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C54	July	2020	5	N/A
C54	August	2020	5	N/A
C54	September	2020	5	N/A
C55	May	2021	5	N/A
C55	June	2021	5	N/A
C55	July	2020	5	N/A
C55	August	2020	5	N/A
C55	September	2020	5	N/A
C56	May	2021	5	*SD card memory full after 4 th night and therefore only 4 nights of data were recorded.
C56	June	2020	5	*SD card memory full after 4 th night and therefore only 4 nights of data were recorded.
C56	July	2020	5	*SD card memory full after 4 th night and therefore only 4 nights of data were recorded.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C56	August	2020	5	*SD card memory full after 4 th night and therefore only 4 nights of data were recorded.
C56	September	2021	4*	*SD card memory full after 4 th night and therefore only 4 nights of data were recorded.
C57	May	2021	5	N/A
C57	June	2020	5	N/A
C57	July	2020	5	N/A
C57	August	2020	5	N/A
C57	September	2020	5	N/A
C58	May	2021	5	N/A
C58	June	2021	5	N/A
C58	July	2020	5	N/A
C58	August	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C58	September	2020	5	N/A
C59	May	NA	NA	May and June not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere
C59	June	NA	NA	May and June not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere
C59	July	2020	5	May and June not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere
C59	August	2020	5	May and June not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere
C59	September	2020	5	May and June not gap-filled in 2020 due to detector efforts being considered more valuable elsewhere
C60 ¹	May	2019	5	Referred to as C3 prior to 2020
C60 ¹	June	2019	5	Referred to as C3 prior to 2020
C60 ¹	July	2019	5	Referred to as C3 prior to 2020
C60 ¹	July	2020	5	Referred to as C3 prior to 2020



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C60 ¹	August	2019	5	Referred to as C3 prior to 2020
C60 ¹	August	2020	5	Referred to as C3 prior to 2020
C60 ¹	September	2019	5	Referred to as C3 prior to 2020
C60 ¹	September	2020	5	Referred to as C3 prior to 2020
C61	May	2021	5	N/A
C61	June	2021	5	N/A
C61	July	2020	5	N/A
C61	August	2020	5	N/A
C61	September	2020	5	N/A
C62	October	2020	5	No November data due to detector being stolen.
C62	November	2020	N/A	No November data due to detector being stolen.
C62	December	2020	5	No November data due to detector being stolen.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C62	January	2021	5	No November data due to detector being stolen.
C62	February	2021	5	No November data due to detector being stolen.
C62	March	2021	5	No November data due to detector being stolen.
C62	April	2021	5	No November data due to detector being stolen.
C63	October	2020	5	N/A
C63	November	2020	5	N/A
C63	December	2020	5	N/A
C63	January	2021	5	N/A
C63	February	2021	5	N/A
C63	March	2021	5	N/A
C63	April	2021	5	N/A
C64	October	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C64	November	2020	5	N/A
C64	December	2020	5	N/A
C64	January	2021	5	N/A
C64	February	2021	5	N/A
C64	March	2021	5	N/A
C64	April	2021	5	N/A
C65	October	2020	5	N/A
C65	November	2020	5	N/A
C65	December	2020	5	N/A
C65	January	2021	5	N/A
C65	February	2021	5	N/A
C65	March	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C65	April	2021	5	N/A
C66	October	2020	5	*first night of data not recorded due to system fail
C66	November	2020	5	*first night of data not recorded due to system fail
C66	December	2020	5	*first night of data not recorded due to system fail
C66	January	2021	5	*first night of data not recorded due to system fail
C66	February	2021	5	*first night of data not recorded due to system fail
C66	March	2021	5	*first night of data not recorded due to system fail
C66	April	2021	4*	*first night of data not recorded due to system fail
C67	October	2020	5	*Missing some dates however likely due to low number call registrations given time of year.
C67	November	2020	5	*Missing some dates however likely due to low number call registrations given time of year.
C67	December	2020	5*	*Missing some dates however likely due to low number call registrations given time of year.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C67	January	2021	5	*Missing some dates however likely due to low number call registrations given time of year.
C67	February	2021	5	*Missing some dates however likely due to low number call registrations given time of year.
C67	March	2021	5	*Missing some dates however likely due to low number call registrations given time of year.
C67	April	2021	5	*Missing some dates however likely due to low number call registrations given time of year.
C68	October	2020	5	*No calls on last morning. **No calls on first evening.
C68	November	2020	5	*No calls on last morning.
C68	December	2020	5	**No calls on first evening.
C68	January	2021	5*	*No calls on last morning.
C68	February	2021	5	**No calls on first evening.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C68	March	2021	5	*No calls on last morning.
C68	April	2021	5**	**No calls on first evening.
C69	October	2020	5	N/A
C69	November	2020	5	N/A
C69	December	2020	5	N/A
C69	January	2021	5	N/A
C69	February	2021	5	N/A
C69	March	2021	5	N/A
C69	April	2021	5	N/A
C70	October	2020	5	N/A
C70	November	2020	5	N/A
C70	December	2020	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C70	January	2021	5	N/A
C70	February	2021	5	N/A
C70	March	2021	5	N/A
C70	April	2021	5	N/A
C71	October	2020	5	*No calls on last morning.
C71	November	2020	5	*No calls on last morning.
C71	December	2020	5*	*No calls on last morning.
C71	January	2021	5	*No calls on last morning.
C71	February	2021	5	*No calls on last morning.
C71	March	2021	5	*No calls on last morning.
C71	April	2021	5	*No calls on last morning.
C72	October	2020	5	*No calls on last morning.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C72	November	2020	5	*No calls on last morning.
C72	December	2020	5	*No calls on last morning.
C72	January	2021	5*	*No calls on last morning.
C72	February	2021	5*	*No calls on last morning.
C72	March	2021	5	*No calls on last morning.
C72	April	2021	5	*No calls on last morning.
C73	October	2020	5	**No calls on last morning.
C73	November	2020	5	**No calls on last morning.
C73	December	2020	5	**No calls on last morning.
C73	January	2021	5	**No calls on last morning.
C73	February	2021	5	**No calls on last morning.
C73	March	2021	5	**No calls on last morning.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C73	April	2021	5*	**No calls on last morning.
C74	October	2020	5	*No calls were recorded on last night. *No calls on last morning.
C74	November	2020	5	*No calls were recorded on last night.
C74	December	2020	5	*No calls on last morning.
C74	January	2021	4*	*No calls were recorded on last night.
C74	February	2021	5	*No calls on last morning.
C74	March	2021	5	*No calls were recorded on last night.
C74	April	2021	5*	*No calls on last morning.
C75	October	2020	5	*No calls were recorded on the last night however likely due to low number call registrations given time of year. *No calls on last morning.
C75	November	2020	5	*No calls were recorded on the last night however likely due to low number call registrations given time of year.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C75	December	2020	5*	*No calls on last morning.
C75	January	2021	4	*No calls were recorded on the last night however likely due to low number call registrations given time of year.
C75	February	2021	5*	*No calls on last morning.
C75	March	2021	5	*No calls were recorded on the last night however likely due to low number call registrations given time of year.
C75	April	2021	5	*No calls on last morning.
C76	May	2021	5	N/A
C76	June	2021	5	N/A
C76	July	2021	5	N/A
C76	August	2021	5	N/A
C76	September	2021	5	N/A
C78	May	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C78	June	2021	5	N/A
C78	July	2021	5	N/A
C78	August	2021	5	N/A
C78	September	2021	5	N/A
C79	May	2021	5	N/A
C79	June	2021	5	N/A
C79	July	2021	5	N/A
C79	August	2021	5	N/A
C79	September	2021	5	N/A
C80	May	2021	5	N/A
C80	June	2021	5	N/A
C80	July	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
C80	August	2021	5	N/A
C80	September	2021	5	N/A
C81	May	2021	5	*SD card full causing 5 th night recording to finish early.
C81	June	2021	5	*SD card full causing 5 th night recording to finish early.
C81	July	2021	5	*SD card full causing 5 th night recording to finish early.
C81	August	2021	5	*SD card full causing 5 th night recording to finish early.
C81	September	2021	5*	*SD card full causing 5 th night recording to finish early.
C82	May	2021	5	N/A
C82	June	2021	5	N/A
C82	July	2021	5	N/A
C82	August	2021	5	N/A
C82	September	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
D1	May	2021	5	N/A
D1	June	2019	5	N/A
D1	July	2021	5	N/A
D1	August	2021	5	N/A
D1	September	2021	5	N/A
M43	May	N/A	N/A	Location added in June 2020.
M43	June	2020	5	Location added in June 2020.
M43	July	2020	5	Location added in June 2020.
M43	August	2020	5	Location added in June 2020.
M43	September	2020	5	Location added in June 2020.
M46	May	N/A	N/A	Location added in July 2020.
M46	June	N/A	N/A	Location added in July 2020.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
M46	July	2020	5	Location added in July 2020.
M46	August	2020	5	Location added in July 2020.
M46	September	2020	5	Location added in July 2020.
M47	May	2021	5	N/A
M47	June	2021	5	N/A
M47	July	2020	5	N/A
M47	August	2020	5	N/A
M47	September	2020	5	N/A
M50	May	N/A	N/A	Location added in July 2020.
M50	June	N/A	N/A	Location added in July 2020.
M50	July	2020	5	Location added in July 2020.
M50	August	2020	5	Location added in July 2020.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
M50	September	2020	5	Location added in July 2020.
M51	May	N/A	N/A	Location added in July 2020.
M51	June	N/A	N/A	Location added in July 2020.
M51	July	2020	5	Location added in July 2020.
M51	August	2020	5	Location added in July 2020.
M51	September	2020	5	Location added in July 2020.
M52	May	N/A	N/A	Location added in July 2020.
M52	June	N/A	N/A	Location added in July 2020.
M52	July	2020	5	Location added in July 2020.
M52	August	2020	5	Location added in July 2020.
M52	September	2020	5	Location added in July 2020.
R1	May	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
R1	June	2021	5	N/A
R1	July	2021	5	N/A
R1	August	2021	5	N/A
R1	September	2021	5	N/A
R2	May	2021	5	N/A
R2	June	2021	5	N/A
R2	July	2021	5	N/A
R2	August	2021	5	N/A
R2	September	2021	5	N/A
R3	May	2021	5	N/A
R3	June	2021	5	N/A
R3	July	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
R3	August	2021	5	N/A
R3	September	2021	5	N/A
R4	May	2021	5	N/A
R4	June	2021	5	N/A
R4	July	2021	5	N/A
R4	August	2021	5	N/A
R4	September	2021	5	N/A
R5	May	2021	5	N/A
R5	June	2021	5	N/A
R5	July	2021	5	N/A
R5	August	2021	5	N/A
R5	September	2021	5	N/A



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
R6	May	2021	N/A*	*System failure causing data to corrupt. Detector was unable to be deployed.
R6	June	2021	5	*System failure causing data to corrupt. Detector was unable to be deployed.
R6	July	2021	5	*System failure causing data to corrupt. Detector was unable to be deployed.
R6	August	2021	5	*System failure causing data to corrupt. Detector was unable to be deployed.
R6	September	2021	5	*System failure causing data to corrupt. Detector was unable to be deployed.
R7	May	2021	5	*September deployment adjusted due to tree felling in woodland at the time. Detector moved to edge of woodland.
R7	June	2021	5	*September deployment adjusted due to tree felling in woodland at the time. Detector moved to edge of woodland.
R7	July	2021	5	*September deployment adjusted due to tree felling in woodland at the time. Detector moved to edge of woodland.



Detector location	Months deployed	Year	Number of nights recorded	Reasons for < 5 nights or missing months of data
R7	August	2021	5	*September deployment adjusted due to tree felling in woodland at the time. Detector moved to edge of woodland.
R7	September*	2021	5	*September deployment adjusted due to tree felling in woodland at the time. Detector moved to edge of woodland.