

A14 Cambridge to Huntingdon improvement scheme

Environmental Statement

Appendices

Appendix 11.5: Reptiles

Date: December 2014

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Executive summary

This report is an appendix of the *A14 Cambridge to Huntingdon improvement scheme Environmental Statement (ES)*. It presents an evaluation of reptiles based on recent surveys. It also presents the policy and legislative context within which the environmental impact assessment (EIA) has been carried out. Likely significant effects on and mitigation for reptiles are considered in *Chapter 11 of the ES*.

Reptiles were surveyed using guidance in *Survey Protocols for the British Herpetofauna* (Sewell *et al.*, 2013).

A total of 21 sites along the route of the A14 were surveyed, 15 sites in 2013 and six sites in 2014. The common lizard (*Zootoca vivipara*) and grass snake (*Natrix natrix*) were the only two species found in localised populations. Reptiles have been evaluated as being of only site value.

1 Introduction

- 1.1.1 This report is an appendix of the *A14 Cambridge to Huntingdon improvement scheme Environmental Statement (ES)*. It presents an evaluation of the status of reptiles based on a desk-based review of records of reptiles and field surveys. It also presents the policy and legislative context within which the environmental impact assessment (EIA) has been carried out. Likely significant effects on and mitigation for reptiles are considered in *Chapter 11 of the ES*.
- 1.1.2 This report presents the findings of the surveys for the scheme between 2013 and 2014.
- 1.1.3 The objective of the study was to describe the baseline status of reptiles and evaluate the population potentially affected by the scheme.
- 1.1.4 The study included a desktop survey to search for records of reptiles and field survey to provide more detailed information. Study or search areas are described for different elements of the study.

2 Reptile ecology

- 2.1.1 Great Britain is home to three native lizard species including the slow-worm (*Anguis fragilis*), sand lizard (*Lacerta agilis*) and common lizard (*Zootoca vivipara*) and three native snake species; smooth snake (*Coronella austriaca*), grass snake (*Natrix natrix*) and adder (*Vipera berus*).
- 2.1.2 Typical reptile habitats include brownfield sites, allotments, compost heaps, railway/road embankments, south facing banks, chalk grassland, rough grassland and areas where there is a diverse structure, such as grassland with scrub edges. Woodland sites can often be important hibernation areas for reptiles (Natural England, undated).
- 2.1.3 The slow-worm, common lizard, grass snake and adder are widespread across England, whereas the sand lizard and smooth snake have a much more restricted distribution on heathland sites in Surrey, Dorset and Hampshire.
- 2.1.4 The common lizard and grass snake were the only reptile species identified within the study area during the surveys. A description of the appearance and particular habitat requirements of these two species is provided below.

Common lizard

- 2.1.5 Common lizards are up to approximately 15cm long and are usually a shade of brown with patterns of spots or stripes. Males have a bright yellow, speckled underside, while females have a paler underside which is not blemished. They prefer open sunny places and are usually found in dry, exposed areas close to dense cover to which they move if disturbed (Amphibian and Reptile Conservation (ARC) Trust, 2014).

Grass snake

- 2.1.6 Grass snakes are the UK's largest snake and grow over a metre in length. They are typically grey-green in colour with a yellow and black collar around their neck and black bars down the side of their body. Grass snakes favour habitats near wetland areas as their diet includes fish and amphibians (ARC Trust, 2014).

3 Policy and legislation

3.1 Legislation

- 3.1.1 Common lizards and grass snakes are protected under *Schedule 5* of the *Wildlife and Countryside Act 1981 (as amended)* which makes it illegal to deliberately kill, injure or sell these species.
- 3.1.2 *Section 40* of the *Natural Environment and Rural Communities (NERC) Act 2006* places a duty on all public bodies to have regard to the conservation of biodiversity in England, when carrying out their normal functions (the biodiversity duty).

3.2 National Planning Policy Framework

- 3.2.1 The *National Planning Policy Framework (NPPF)* (Department for Communities and Local Government, 2012) sets out the Government's view on how planners should balance nature conservation with development and helps ensure that the Government meets its biodiversity commitments with regard to the operation of the planning system. The planning system should contribute to and enhance the natural and local environment by minimising impacts on biodiversity and providing net gains in biodiversity where possible. If significant harm resulting from a development cannot be avoided (through locating an alternative site with less harmful impacts), adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused.
- 3.2.2 The *NPPF* states that the wider benefits of an ecosystem should be recognised and the presence of a protected species is a substantial consideration for a development proposal (*Circular 06/2005* (ODPM, 2005)). It is therefore considered essential that the presence of protected species and the extent that they may be affected by the proposed development is established in advance of a planning application in order that planning permission can be granted (*Planning Practice Guidance, 2014*).
- 3.2.3 The draft *National Policy Statement (NPS) for National Networks* (Department for Transport, 2013) sets out the Government's vision and policy for the future development of nationally significant infrastructure projects on the national road and rail networks. It provides guidance for promoters of nationally significant infrastructure projects, the basis for the examination by the Examining Authority and for decisions by the Secretary of State. The *NPS* includes general principles for the assessment of national networks, including for EIA.

3.3 Priority species

- 3.3.1 Species of principal importance for the conservation of biodiversity in England are listed under *Section 41* of the *NERC Act 2006*. This list is used to guide decision-makers in public bodies, in implementing their biodiversity duty. The species listed are priorities for nature conservation action and therefore for consideration in impact assessment.

- 3.3.2 The *UK Biodiversity Action Plan (UK BAP)* was the UK's response to the *Global Convention on Biological Diversity (CBD)* in 1992. It lists priority species and habitats that are identified as being the most threatened and require conservation action (Joint Nature Conservation Committee (JNCC), 2014). In 2012, the *UK Post-2010 Biodiversity Framework* (JNCC, 2012) succeeded the *UK BAP* and is the UK Government's response to a new strategic plan of the *CBD* which was published in 2010.
- 3.3.3 Much of the work previously carried out under the *UK BAP* is now focussed at a county level. However, the *UK BAP* lists of priority species and habitats remain important and have been used to draw up the *Section 41* statutory list.
- 3.3.4 *The Highways Agency Biodiversity Action Plan (HABAP)* lists priority species and habitats of the soft estate of England's trunk roads and motorways (excluding London). Both species found within the study area are a priority for conservation action as listed in the *HABAP*.
- 3.3.5 *Local BAPs (LBAPs)* integrate the conservation measures provided in the *UK BAP* to enhance biodiversity at the local and regional level. The *Cambridgeshire and Peterborough LBAP (2007)* is pertinent to the proposed scheme (Cambridgeshire and Peterborough Biodiversity Partnership, 2014).
- 3.3.6 *Section 41* and the *UK BAP* lists include all reptile species. There are no reptiles listed as a priority species on the *Cambridgeshire and Peterborough LBAP*.

4 Methodology

4.1 Desktop survey

- 4.1.1 Records were requested from the Cambridgeshire and Peterborough Environmental Records Centre (CPERC) for any sites of nature conservation importance for reptiles. Records of all reptile species within 1km of the scheme were also requested. The search area for the desktop survey has been based on the professional judgement of suitably qualified and experienced specialists, in accordance with best practice guidance (CIEEM 2013).
- 4.1.2 Records received from the CPERC were supplemented by a review of the baseline reptile surveys conducted in 2013 for the scheme.
- 4.1.3 A database of incidental records of species of interest recorded by other surveyors on the scheme has been reviewed for records of relevance to this report.

4.2 Field surveys

- 4.2.1 Surveys were based on best practice guidance (Sewell *et al.*, 2013) and were undertaken by suitably experienced ecologists and led by an ecologist who is a chartered environmentalist with nine years' experience.
- 4.2.2 Artificial cover objects (ACOs), specifically squares of roofing felt or corrugated tins, were placed within suitable reptile habitats along the footprint of online sections of the scheme and in areas along the length of the offline section of the scheme as shown in *Figure 11.5 of the ES*. ACOs are used by reptiles as they have a tendency to hide under or bask on top of certain materials that heat up in the sun, aiding them to regulate their body temperature. ACOs were placed during July 2013 and March 2014 in a south-facing position and adjacent to vegetation cover. ACOs were also placed near rocks and existing basking structures.
- 4.2.3 During 2013 a total of 395 ACOs were placed within appropriate habitat for purposes of reptile survey and each was visited a total of seven times, resulting in a total of 2,765 visits. During 2014 a total of 240 ACOs were placed for purposes of reptile survey and each was visited a total of seven times (with the exception of three ACOs that went missing during the survey as detailed in *Annex 2*) resulting in a total of 1,648 visits.
- 4.2.4 ACOs were left undisturbed for at least one week before surveys commenced. Each ACO was re-visited between 06:50 and 12:30 and 13:30 and 19:45. The presence of reptiles was recorded by identifying animals basking on top, in close proximity and animals taking refuge underneath.
- 4.2.5 To establish the presence or absence of reptiles, seven visits were undertaken to each ACO between 08 August 2013 and 04 June 2014 in suitable weather conditions; when there was little rain or strong winds and air temperatures were between 9 and 20°C. The dates and times of the surveys are shown in *Annex 2*.

4.2.6 In addition, any other suitable basking areas within each site were searched for reptiles. These included man-hole covers, short vegetation, bare areas, brick rubble and log piles.

4.3 Evaluation

4.3.1 The population of reptiles within the study area was evaluated, using Froglife (1999) and the Chartered Institute of Ecology and Environmental Management (CIEEM) *Guidelines for Ecological Impact Assessment in the United Kingdom* (CIEEM, 2006). This method is in line with the most recently published guidance and represents best practice guidance *Interim Advice Note (IAN) 130/10, 'Ecology and Nature Conservation: Criteria for Impact Assessment'* (Highways Agency, 2010). The evaluation uses a framework linked to a geographical scale at which the receptor has been valued (i.e. international, national, regional, county, local or site).

4.4 Limitations

4.4.1 Limitations specific to the surveys carried out in the study area included:

- loss of or damage to ACOs; and
- nesting swans near ACOs.

4.4.2 The limitations to the surveys do not represent a significant constraint to adequately assessing the value of reptiles for the purposes of undertaking an appropriate ecological impact assessment, with a high degree of confidence in the outcome.

4.4.3 An absence of a species record within an area does not necessarily reflect an absence of that species from the same area. Similarly the distribution of species records may reflect survey effort rather than an accurate distribution of that species.

4.4.4 A survey can only assess the site as it was found at the time of the survey. Species may move in and out of the site at different times and habitats are subject to change. Whilst the results of this survey may no longer be fully representative of the site at the time of construction, nationally recognised standard survey methodologies have been used.

4.4.5 Likely significant effects on, and mitigation for reptiles are considered in *Chapter 11 of the ES*.

5 Results

5.1 Desktop data and incidental records

- 5.1.1 Data from CPERC identified four records of common lizard and eight records of grass snake in the study area (*Table A1.1* in *Annex 1*).
- 5.1.2 A database of incidental records was maintained during the field season; however no incidental records of reptiles were collected.

5.2 Field survey results

- 5.2.1 Data from the surveys revealed that in the study area, there were two reptile species present, the common lizard and the grass snake. A peak count of five common juvenile lizards was recorded in October 2013 (the peak adult count is a maximum of one common lizard for which the age class was unknown) and a peak count of five grass snakes during survey visits in 2014 (spread over the two days surveyed for visit six), although the peak adult count of grass snakes was two. *Table 5.1* shows the records collected during the surveys.
- 5.2.2 Survey results are shown on *Figure 11.5*. Full survey records are provided in *Annex 2*. Site names R1 – R21 and J1 - J6 relate to reference names for the various areas surveyed.

Table 5.1: Reptile records

Date	Site name	Species	Number		
			Juveniles / sub-adults	Adults	Unknown
23 September 2013	R6 – Buckden Marina	Grass snake	1	0	0
23 September 2013	R15 – National Institute of Agricultural Botany (NIAB)	Common lizard		0	1
26 September 2013	R6 – Buckden Marina	Grass snake	1	0	0
27 September 2013	R15 - NIAB	Common lizard	1	0	0
30 September 2013	R15 - NIAB	Common lizard	2	0	0
03 October 2013	R15 - NIAB	Common lizard	5	0	0
04 October 2013	R15 - NIAB	Common lizard	1	0	0

Date	Site name	Species	Number		
23 April 2014	J2 - Nursery Farm - north	Grass snake	1	0	0
	J3 - Nursery Farm - middle	Grass snake	0	1	0
Total – visit 1 (2014)			1	1	0
29 April 2014	J3 - Nursery Farm - middle	Grass snake	1	0	0
Total - visit 2 (2014)			1	0	0
7 May 2014	J3 - Nursery Farm - middle	Grass snake	0	1	0
	J4 - Nursery Farm - middle	Grass snake	1	0	0
Total – visit 3 (2014)			1	1	0
12 May 2014	J2 - Nursery Farm - north	Grass snake	0	1	0
13 May 2014	J3 - Nursery Farm - middle	Grass snake	1	0	0
	J5 - Nursery Farm - south	Grass snake	2	0	0
Total – visit 4 (2014)			3	1	0
27 May 2014	J2 - Nursery Farm - north	Grass snake	1	0	0
28 May 2014	J5 - Nursery Farm - south	Grass snake	2	0	0
28 May 2014	J4 - Nursery Farm - middle	Grass snake	0	2	0
Total – visit 6 (2014)			3	2	0
04 June 2014	J2 - Nursery Farm - north	Grass snake	0	1	0
	J3 - Nursery Farm - middle	Grass snake	1	1	0
	J4 - Nursery Farm - middle	Grass snake	1	0	0
Total – visit 7 (2014)			2	2	0

6 Evaluation

- 6.1.1 With peak counts of only two adult grass snakes at any given site surveyed and one adult common lizard with no other reptile species noted, it is reasonable to conclude that the site is of low significance for reptile populations in accordance with best practice guidance (Froglife, 1999).
- 6.1.2 Using the guidance in CIEEM (2006), the population of reptiles has been evaluated as being of only site value due to the two species present being common and widespread and in low populations.

7 Bibliography

Amphibian and Reptile Conservation (ARC) Trust (2014). Species Information: Slow-worm, common lizard, grass snake and adder. Available at: <http://www.arc-trust.org/advice/species-id/reptiles> . Accessed June 2014.

Cambridgeshire and Peterborough Biodiversity Partnership (2007). Biodiversity action Plans. Available at: <http://www.cp Biodiversity.org.uk/biodiversity-action-plans>. Accessed May 2014.

Chartered Institute of Ecology and Environmental Management (2006). Guidelines for Ecological Impact Assessment in the United Kingdom.

Chartered Institute of Ecology and Environmental Management (CIEEM) (2013) Guidelines for Preliminary Ecological Appraisal. Available at: <http://www.cieem.net/guidance-on-preliminary-ecological-appraisal-qpea-> . Accessed October 2014

Convention on Biological Diversity (1992). Available at: <http://www.cbd.int/convention/about.shtml> . Accessed May 2014.

Department for Transport (2013). Draft National Policy Statement (NPS) for national networks. Available at: <https://www.gov.uk/government/consultations/national-road-and-rail-networks-draft-national-policy-statement> . Accessed May 2014.

Froglife (1999). Froglife Advice Sheet 10, Reptile Survey, An Introduction to Planning, Conducting and Interpreting Surveys for Snake and Lizard Conservation.

Highways Agency Biodiversity Action Plan (HABAP) (2010). Available at: <http://webarchive.nationalarchives.gov.uk/20101110115126/http://www.highways.gov.uk/aboutus/1160.aspx> Accessed August 2014.

Interim Advice Note 130/10: Ecology and Nature Conservation: Criteria for Impact Assessment (1993). Available. Highways Agency 2010. Available at: <http://dft.gov.uk/ha/standards/ians/pdfs/ian130.pdf> Accessed May 2014.

Joint Nature Conservation Committee (JNCC) (2014). The UK Biodiversity Action Plan (UK BAP). Available at: <http://jncc.defra.gov.uk/ukbap> Accessed May 2014.

Joint Nature Conservation Committee and Defra (on behalf of the Four Countries' Biodiversity Group). (2012). UK Post-2010 Biodiversity Framework. Available at: <http://jncc.defra.gov.uk/page-6189> Accessed May 2014.

National Planning Policy Framework (NPPF) (2012). Available at: <https://www.gov.uk/government/publications/national-planning-policy-framework--2> . Accessed May 2014.

Natural England (undated). Standing Advice Species Sheet: Reptiles. Natural England, Sheffield. Available at: http://www.naturalengland.org.uk/Images/Reptiles_tcm6-21712.pdf . Accessed June 2014.

Natural Environment and Rural Communities (NERC) Act 2006. Available at: <http://www.legislation.gov.uk/ukpga/2006/16/contents> . Accessed May 2014.

Office of the Deputy Prime Minister (ODPM), (2005). Biodiversity and geological conservation – statutory obligations and their impact within the planning system. Government Circular 06/2005. London, UK.

Planning Practice Guidance (2014). Available at: <http://planningguidance.planningportal.gov.uk/> Accessed May 2014.

Sewell, D., Griffiths, R. A., Beebee, T. J. C., Foster, J. and Wilkinson, J.W. (2013). Survey protocols for the British herpetofauna. Version 1.0. Available at: http://www.narrs.org.uk/documents/Survey_protocols_for_the_British_herpetofauna.pdf . Accessed June 2014.

Wildlife and Countryside Act (1981) (as amended). HMSO, London.

Annex 1 - Desk study

Table A1.1: Biological records centre data for reptiles (based on Highways Agency (Atkins) 2013 data).

Species	Grid reference		Date	Comment
Common lizard	TL47376063	Bramblefields LNR	15/03/2012	One seen under corrugated tin.
Common lizard	TL209706	Brampton	2010	
Common lizard	TL465620	Cambridge Science Park	2006	
Common lizard	TL442637	Impington	01/04/2012	
Grass snake	TL472606	Bramblefields LNR	20/09/2005	One small individual seen under sheet of metal.
Grass snake	TL473606	Bramblefields LNR	02/08/2007	Basking adjacent to pond.
Grass snake	TL432606	Bramblefields LNR	14/09/2007	One seen near pond.
Grass snake	TL214705	Brampton	2009	Juvenile.
Grass snake	TL1769	Brampton Wood SSSI	1992	Records from both ponds.
Grass snake	TL383621	Dry Drayton	21/07/2005	One large individual seen.
Grass snake	TL482608	Fen Drayton	2010	
Grass snake	TL3368	Fen Drayton	August 2006	

Annex 2 - Survey data

Table A2.1: Reptile survey dates, times, location and weather conditions, 2013 (organised by date and start time).

Date	Times	Location	Weather conditions
08 August 2013	07:50 – 08:30	R12 – Dry Drayton	15°C; 2 Beaufort wind speed; 1 oktas cloud cover; and dry.
08 August 2013	08:35 – 08:50	R11 – Bar Hill	17.5°C; 0 Beaufort wind speed; 1 oktas cloud cover; and dry.
13 August 2013	07:35 – 08:00	R10 – Swavesey Sewage Works	13.5°C; 2 Beaufort wind speed; 1 oktas cloud cover; and dry.
13 August 2013	08:15 – 09:30	R6 – Buckden Marina	15.5°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
13 August 2013	08:20 – 08:45	R13 – Catch Hall	15.5°C; 5 Beaufort wind speed; 4 oktas cloud cover; and dry.
15 August 2013	06:50 – 07:30	R1 - Brampton	16°C; 1 Beaufort wind speed; 8 oktas cloud cover; and dry.
15 August 2013	08:00 – 08:30	R2 – Brampton/A1 footpath	17°C; 1 Beaufort wind speed; 7 oktas cloud cover; and dry.
15 August 2013	19:00 – 19:45	R5 – Buckden west	16.8°C; 1 Beaufort wind speed; 4 oktas cloud cover; and dry.
15 August 2013	18:00 – 19:00	R7 – east of river Great Ouse	17.5°C; 1 Beaufort wind speed; 4 oktas cloud cover; and dry.
20 August 2013	07:00 – 07:20	R3 – A1.1	11°C; 1 Beaufort wind speed; 6 oktas cloud cover; and dry.
20 August 2013	07:30 – 08:00	R3a – A1	12°C; 1 Beaufort wind speed, 5 oktas cloud cover; and dry.
20 August 2013	08:05 – 08:50	R4 – Goff Petroleum	12°C; 1 Beaufort wind speed; 5 oktas cloud cover; and dry.
20 August 2013	08:25 – 09:00	R11 – Bar Hill	17°C; 2 Beaufort wind speed; 4 oktas cloud cover; and dry.
20 August 2013	09.05 – 09.45	R12 – Dry Drayton	18°C; 2 Beaufort wind speed; 4 oktas cloud cover; and dry.
21 August 2013	07:50 – 09:00	R6 – Buckden Marina	15.1°C; 1 Beaufort wind speed; 2 oktas cloud cover; and dry.
21 August 2013	09:00 – 10:00	R5 – Buckden west	16.7°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
23 August 2013	06:55 – 07:30	R1 - Brampton	16°C; 2 Beaufort wind speed; 6 oktas cloud cover; and dry.
23 August 2013	07:50 – 08:10	R2 – Brampton/A1 footpath	16°C; 1 Beaufort wind speed; 4 oktas cloud cover; and dry.
23 August 2013	07:50 – 08:10	R2 – Brampton/A1 footpath	16°C; 1 Beaufort wind speed; 4 oktas cloud cover; and dry.

Date	Times	Location	Weather conditions
24 August 2013	09:15 – 09:45	R11 – Bar Hill	14°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
27 August 2013	07:00 – 07:15	R3 – A1.1	13°C; 2 Beaufort wind speed; 8 oktas cloud cover; and dry.
27 August 2013	07:50 – 08:24	R4 – Goff Petroleum	14°C; 1 Beaufort wind speed; 6 oktas cloud cover; and dry.
28 August 2013	09:00 – 10:15	R7 – east of river Great Ouse	16.5°C; 0 Beaufort wind speed; 7oktas cloud cover; and dry.
30 August 2013	09:00 – 09:30	R10 – Swavesey Sewage Works	17°C; 0 Beaufort wind speed; 2 oktas cloud cover; and dry.
02 September 2013	08:00 – 08:30	R1 – Brampton	13°C; 1 Beaufort wind speed; 2 oktas cloud cover; and dry.
04 September 2013	07:00 – 07:20	R3 – A1.1	12°C; 1 Beaufort wind speed; 1 oktas cloud cover; and dry.
04 September 2013	07:24 – 07:45	R3a – A1	13°C; 1 Beaufort wind speed; 1 oktas cloud cover; and dry.
04 September 2013	07:55 – 08:25	R4 – Goff Petroleum	15°C; 1 Beaufort wind speed; 1 oktas cloud cover; and dry.
06 September 2013	08:00 – 09:00	R7 – east of river Great Ouse	16°C; 0 Beaufort wind speed; 2 oktas cloud cover; and dry.
13 September 2013	13:35 – 13:55	R3a – A1	16°C; 1 Beaufort wind speed; 7 oktas cloud cover; and dry.
27 August 2013	07:25 – 07:45	R3a – A1	13°C; 2 Beaufort wind speed; 6 oktas cloud cover; and dry.
30 August 2013	09:40 – 10:00	R13 – Catch Hall	18°C; 3 Beaufort wind speed; 2 oktas cloud cover; and dry.
30 August 2013	10:00 – 10:30	R15 - NIAB	16°C; 3 Beaufort wind speed; 0 oktas cloud cover; and dry.
30 August 2013	10:30 – 11:00	R14 – Girton Interchange	19°C; 4 Beaufort wind speed; 0 oktas cloud cover; and dry.
04 September 2013	08:10 – 08:40	R5 – Buckden west	16.5°C; 1 Beaufort wind speed; 2 oktas cloud cover; and dry.
04 September 2013	08:30 – 09:45	R12 – Dry Drayton	16°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
04 September 2013	09:30 – 10:00	R15 - NIAB	17°C; 0 Beaufort wind speed; 3 oktas cloud cover; and dry.
05 September 2013	09:00 – 10:30	R6 – Buckden Marina	15.5°C; 0 Beaufort wind speed; 2 oktas cloud cover; and dry.
09 September 2013	07:30 – 08:15	R6 – Buckden Marina	15.5°C; 0 Beaufort wind speed; 6 oktas cloud cover; and dry.
09 September 2013	17:05 – 17:25	R1 - Brampton	15°C; 1 Beaufort wind speed; 6 oktas cloud cover; and dry.

Date	Times	Location	Weather conditions
09 September 2013	17:15 – 18:00	R14 – Girton Interchange	16°C; 3 Beaufort wind speed; 4 oktas cloud cover; and dry.
09 September 2013	17:30 – 17:50	R2 – Brampton/A1 footpath	15°C; 1 Beaufort wind speed; 7 oktas cloud cover; and light drizzle.
10 September 2013	07:30 – 08:15	R7 – east of river Great Ouse	15.5°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
10 September 2013	08:30 – 09:30	R5 – Buckden west	16.5°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
12 September 2013	16:45 – 17:10	R13 – Catch Hall	18°C; 0 Beaufort wind speed; 8 oktas cloud cover; and dry.
12 September 2013	17:15 – 17:45	R12 – Dry Drayton	19°C; 0 Beaufort wind speed; 1 oktas cloud cover; and dry.
12 September 2013	17:50 – 18:15	R11 – Bar Hill	19°C; 0 Beaufort wind speed; 1 oktas cloud cover; and dry.
12 September 2013	18:15 – 18:45	R10 – Swavesey Sewage Works	18°C; 0 Beaufort wind speed; 2 oktas cloud cover; and dry.
13 September 2013	13:20 – 13:30	R3 – A1.1	16°C; 1 Beaufort wind speed; 7 oktas cloud cover; and dry.
13 September 2013	14:00 – 14:25	R4 – Goff Petroleum	16°C; 1 Beaufort wind speed; 7 oktas cloud cover; and dry.
23 September 2013	13:30 – 14:30	R6 – Buckden Marina	18°C; 0 Beaufort wind speed; 6 oktas cloud cover; and dry.
23 September 2013	14:35 – 15:00	R1 - Brampton	18°C; 1 Beaufort wind speed; 8 oktas cloud cover; and dry.
23 September 2013	14:45 – 15:30	R5 – Buckden west	18°C; 0 Beaufort wind speed; 7 oktas cloud cover; and dry.
23 September 2013	15:05 – 15:30	R2– Brampton/A1 footpath	18°C; 1 Beaufort wind speed; 8 oktas cloud cover and dry.
23 September 2013	15:30 – 16:00	R15 - NIAB	18°C; 0 Beaufort wind speed; 8 oktas cloud cover; and dry.
23 September 2013	15:50 – 16:10	R3 – A1.1	18°C; 1 Beaufort wind speed; 8 oktas cloud cover; and dry.
23 September 2013	15:50 – 17:00	R7 – east of river Great Ouse	18°C; 0 Beaufort wind speed; 6 oktas cloud cover; and dry.
23 September 2013	16:15 – 16:35	R3a – A1	18°C; 1 Beaufort wind speed; 8 oktas cloud cover; and dry.
23 September 2013	16:15 – 16:45	R13 – Catch Hall	19°C; 0 Beaufort wind speed; 8 oktas cloud cover; and dry.
23 September 2013	16:40 – 17:00	R4 – Goff Petroleum	18°C; 1 Beaufort wind speed; 8 oktas cloud cover and dry.

Date	Times	Location	Weather conditions
23 September 2013	17:00 – 17:30	R12 – Dry Drayton	18°C; 0 Beaufort wind speed; 8 oktas cloud cover; and dry.
24 September 2013	10:45 – 11:15	R14 – Girton Interchange	17°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
24 September 2013	11:30 – 12:15	R11 – Bar Hill	19°C; 2 Beaufort wind speed; 3 oktas cloud cover; and dry.
24 September 2013	12:00 – 12:36	R10 – Swavesey Sewage Works	19°C; 2 Beaufort wind speed; 4 oktas cloud cover; and dry.
26 September 2013	15:45 – 17:00	R6 – Buckden Marina	18°C; 2 Beaufort wind speed; 3 oktas cloud cover; and dry.
26 September 2013	17:40 – 18:10	R7 – east of river Great Ouse	19°C; 2 Beaufort wind speed; 7 oktas cloud cover; and dry.
27 September 2013	13:40 – 14:05	R1 - Brampton	17°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
27 September 2013	14:10 – 14:30	R2 – Brampton/A1 footpath	17°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
27 September 2013	14:40 – 14:50	R3 – A1.1	17°C; 1 Beaufort wind speed; 3 oktas cloud cover; and dry.
27 September 2013	15:00 – 15:20	R3a – A1	17°C; 1 Beaufort wind speed; 4 oktas cloud cover; and dry.
27 September 2013	15:30 – 16:00	R4 – Goff Petroleum	17°C; 1 Beaufort wind speed; 3 oktas cloud cover; and dry.
27 September 2013	15:45 – 16:05	R15 - NIAB	19°C; 2 Beaufort wind speed; 7 oktas cloud cover; and dry.
27 September 2013	16:10 – 16:45	R5 – Buckden west	17°C; 1 Beaufort wind speed; 4 oktas cloud cover; and dry.
27 September 2013	16:45 – 17:15	R14 – Girton Interchange	18°C; 3 Beaufort wind speed; 6 oktas cloud cover; and dry.
27 September 2013	17:30 – 17:45	R13 – Catch Hall	19°C; 0 Beaufort wind speed; 7 oktas cloud cover; and dry.
27 September 2013	18:00 – 18:20	R10 – Swavesey Sewage Works	18°C; 1 Beaufort wind speed; 7 oktas cloud cover; and dry.
28 September 2013	09:00 – 10:15	R7 – east of river Great Ouse	16.5°C; 0 Beaufort wind speed; 4 oktas cloud cover; and dry.
30 September 2013	15:30 – 16:00	R5 – Buckden west	18°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.
30 September 2013	15:47 – 16:00	R1 - Brampton	19°C; 1 Beaufort wind speed; 3 oktas cloud cover; and dry.
30 September 2013	15:55 – 16:15	R15 - NIAB	20°C; 4 Beaufort wind speed; 4 oktas cloud cover; and dry.
30 September 2013	16:10 – 17:10	R6 – Buckden Marina	18°C; 2 Beaufort wind speed; 2 oktas cloud cover; and dry.

Date	Times	Location	Weather conditions
30 September 2013	16:16 – 16:40	R2 – Brampton/A1 footpath	19°C; 1 Beaufort wind speed; 3 oktas cloud cover; and dry.
30 September 2013	16:45 – 17:00	R3 – A1.1	17°C; 1 Beaufort wind speed; 3 oktas cloud cover; and dry.
30 September 2013	17:00 – 17:30	R14 – Girton Interchange	20°C ; 4 Beaufort wind speed; 2 oktas cloud cover; and dry.
30 September 2013	17:05 – 17:25	R3a – A1	19°C; 1 Beaufort wind speed; 3 oktas cloud cover; and dry.
30 September 2013	17:15 - 17:00	R7 – east of river Great Ouse	18°C; 3 Beaufort wind speed; 2 oktas cloud cover; and dry.
30 September 2013	17:30 – 17:45	R13 – Catch Hall	20°C; 2 Beaufort wind speed; 1 oktas cloud cover; and dry.
30 September 2013	17:50 – 18:10	R10 – Swavesey Sewage Works	18.5°C; 4 Beaufort wind speed; 2 oktas cloud cover; and dry.
01 October 2013	16:30 – 16:50	R12 – Dry Drayton	18°C; 5 Beaufort wind speed; 7 oktas cloud cover; and dry.
01 October 2013	17:05 – 17:20	R11 – Bar Hill	19°C; 5 Beaufort wind speed; 8 oktas cloud cover; and dry.
01 October 2013	17:30 – 18:00	R13 – Catch Hall	18°C; 4 Beaufort wind speed; 3 oktas cloud cover; and dry.
03 October 2013	13:30 – 14:00	R15 - NIAB	18°C; 3 Beaufort wind speed; 8 oktas cloud cover; and dry.
03 October 2013	17:15 – 17:45	R14 – Girton Interchange	17°C; 4 Beaufort wind speed; 8 oktas cloud cover; and showers.
04 October 2013	13:30 – 14:00	R15 - NIAB	20°C; 3 Beaufort wind speed; 1 oktas cloud cover; and dry.
04 October 2013	14:00 – 17:20	R14 – Girton Interchange	18°C; 4 Beaufort wind speed; 4 oktas cloud cover; and dry.
05 October 2013	14:00 – 14:30	R10 – Swavesey Sewage Works	19°C; 0 Beaufort wind speed; 8 oktas cloud cover; and dry.
05 October 2013	14:40 – 15:10	R11 – Bar Hill	19°C; 2 Beaufort wind speed; 7 oktas cloud cover; and dry.
05 October 2013	15:15 – 15:40	R12 – Dry Drayton	19°C; 3 Beaufort wind speed; 2 oktas cloud cover; and dry.

Table A2.2: Reptile survey dates, times, location and weather conditions 2014 (organised by date and start time).

Date	Times	Location	Weather conditions
22 April 2014	15:52 – 16:05	Brooklands Farm	15°C; 3 Beaufort wind speed; 60-100% cloud cover; and dry but with some rain in the previous 24 hours.
22 April 2014	16:40 – 17:44	Nursery Farm – south	16°C; 3 Beaufort wind speed; 0-30% cloud; and dry but with some rain in the previous 24 hours.
23 April 2014	08:40 – 09:33	Nursery Farm – middle	15°C; 2 Beaufort wind speed; 0-30% cloud; and dry but with some rain in the previous 48 hours.
23 April 2014	09:37 – 11:02	Nursery Farm – north	15°C; 2 Beaufort wind speed; 0-30% cloud; and dry but with some rain in the previous 48 hours.
28 April 2014	15:39 – 15:55	Brooklands Farm	17°C; 3 Beaufort wind speed; 60-100% cloud; and dry with no rain in the previous 24 hours.
28 April 2014	16:03 – 17:55	Nursery Farm – north	15°C; 3 Beaufort wind speed; 60-100% cloud; brief shower at the end of the survey with no rain in the preceding 24 hours.
29 April 2014	08:30 – 09:02	Nursery Farm – middle	14°C; 0 Beaufort wind speed; 60-100% cloud; some drizzle extending from the previous night but no heavy rain in the previous 48 hours.
29 April 2014	09:16 – 09:41	Nursery Farm – south	14°C; 0 Beaufort wind speed; 60-100% cloud; drizzle extending from the previous night with moderate rain for final five minutes of survey.
06 May 2014	16:00 – 16:10	Brooklands Farm	19°C; 3 Beaufort wind speed; 30-60% cloud; and dry with light rain in the previous 24 hours.
06 May 2014	16:20 – 17:57	Nursery Farm – north	20°C; 3 Beaufort wind speed; 0-30% cloud; and dry with some light rain in the previous 24 hours.
07 May 2014	08:37 – 09:38	Nursery Farm – middle	13°C; 4 Beaufort wind speed; 30-50% cloud; and dry with no rain in the previous 24 hours.
07 May 2014	09:58 – 10:39	Nursery Farm – south	15°C; 5 Beaufort wind speed; 30-60% cloud; and dry with no rain in the previous 24 hours.
12 May 2014	16:00 – 16:10	Brooklands Farm	13°C; 2 Beaufort wind speed; 60-100% cloud; and showering with heavy showers during the previous 24 hours.

Date	Times	Location	Weather conditions
12 May 2014	16:15 – 18:00	Nursery Farm – north	13°C; 2 Beaufort wind speed; 30-60% cloud; and dry with heavy showers in the last 12 hours and light showers at the very beginning and end of the survey.
13 May 2014	08:30 – 09:40	Nursery Farm – middle	13°C; 2 Beaufort wind speed; 30-60% cloud; and dry with no rain in the previous 12 hours but heavy rain within 24 hours.
13 May 2014	10:00 – 10:47	Nursery Farm – south	14°C; 1 Beaufort wind speed; 30-60% cloud; and dry with no rain in the previous 12 hours but heavy rain within 24 hours.
19 May 2014	16:45 – 18:20	Brooklands Farm and Nursery Farm – north	19°C; 4 Beaufort wind speed; 0-30% cloud; and dry with no rain in previous hours.
20 May 2014	08:00 – 09:45	Nursery Farm – Middle and Nursery Farm – south	16°C; 1 Beaufort wind speed; 30-60% cloud; and dry with a light shower 30 minutes prior to survey.
27 May 2014	15:30 – 15:40	Brooklands Farm	14°C; 4 Beaufort wind speed; 60-100% cloud; some drizzle and heavy, prolonged rain in the previous 24 hours.
27 May 2014	15:57 – 18:10	Nursery Farm – north	14°C; 5 Beaufort wind speed; 60-100% cloud; and dry with heavy, prolonged rain during the previous 24 hours.
28 May 2014	08:30 – 09:30	Nursery Farm – middle	12°C; 3 Beaufort wind speed; 60-100% cloud; some drizzle with light rain in the previous 12 hours and heavy rain within 24 hours.
28 May 2014	09:53 – 10:35	Nursery Farm – south	13°C; 3 Beaufort wind speed; 60-100% cloud; some drizzle with light rain in the previous 12 hours and heavy rain within 24 hours.
04 June 2014	09:02 – 10:30	Brooklands Farm and Nursery Farm – north	14°C; 2 Beaufort wind speed; 60-100% cloud; and dry with rain in the previous 12 hours and a brief drizzle shower during the survey.
04 June 2014	15:45 – 16:25	Nursery Farm – north	19°C; 2 Beaufort wind speed; 0-30% cloud; and dry with no rain in the previous 24 hours.
04 June 2014	16:25 – 17:40	Nursery Farm – middle	19°C; 2 Beaufort wind speed; 30-60% cloud; and dry with no rain in the previous 24 hours.

Table A2.3: Survey data by ACO**R1 - Brampton**

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	None	4x bank vole	None
2	None	None	None	Ant nest	1x common toad adult and ant nest	Ant nest	Ant nest
3	None	None	None	None	None	1x bank vole	None
4	None	None	Missed	None	None	None	None
5	None	None	Missed	None	None	None	None
6	2x small mammal	3x bank Vole	None	None	1x bank vole	None	7x bank vole
7	None	None	None	None	None	None	None
8	1x wood mouse	1x bank vole	None	None	1x bank vole	None	None
9	None	None	None	None	2x bank vole	2x bank vole	1x bank vole
10	None	None	1x bank vole	None	Ant nest	None	None
11	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None
13	1x wood mouse	None	None	None	None	None	None
14	None	None	None	None	None	None	None
15	None	None	None	None	Ant nest	None	None
16	None	None	None	None	None	None	1x bank vole
17	None	1x small mammal	1x bank vole	None	None	None	None
18	None	None	None	Ant nest	Ant nest	Ant nest	Ant nest
19	None	1x bank vole	None	None	1x bank vole	None	None
20	1x wood mouse	1x bank vole	None	None	None	None	None
21	None	None	None	None	None	None	1x bank vole
22	None	None	None	Ant nest	Ant nest	Ant nest	Ant nest
23	None	None	None	Ant nest	Ant nest	Ant nest	Ant nest

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
24	None	None	None	None	None	None	None
25	None	None	None	None	Ant nest	None	None
26	None	None	None	None	None	None	None
27	None	1x bank vole	None	None	1x bank vole	None	None
28	None	None	None	None	Ant nest	None	None
29	None	None	None	Ant nest	None	None	None
30	None	None	None	None	1x bank vole	None	None

R2 - - Brampton / A1 footpath

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	Ant nest	Ant nest	Ant nest	Ant nest
2	None	None	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest
3	None	None	None	Ant nest	Ant nest	Ant nest	Ant nest
4	None	None	None	None	None	None	None
5	None	None	None	None	Ant nest	None	None
6	None	None	None	None	None	None	None
7	None	None	None	None	None	None	None
8	None	1x wood mouse	None	None	None	None	None
9	None	None	None	None	1x bank vole	None	None
10	None	None	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest
11	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None
13	1 x common frog juvenile	None	None	None	None	None	None
14	None	None	None	None	None	None	None
15	None	None	None	None	None	None	None
16	None	None	None	None	None	None	None
17	1x common toad juvenile	None	None	None	None	None	None
18	None	None	Ant nest	None	Ant nest	Ant nest	None
19	None	None	None	None	None	None	None
20	None	None	None	None	None	None	None

R3 – A1.1

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	None	None	None
2	None	None	None	None	1x bank vole	None	None
3	None	None	None	None	1x bank vole	None	1x bank vole
4	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None
7	None	None	None	None	None	None	None
8	None	None	None	None	None	None	None
9	None	None	None	None	1x common toad juvenile	None	None
10	None	None	None	None	None	None	None
11	None	None	None	None	None	None	Ant nest
12	None	None	None	None	1x bank vole	1x bank vole	None
13	None	None	None	None	None	None	None
14	None	None	None	None	Ant nest	Ant nest	None
15	None	None	None	None	None	None	None
16	None	None	1x bank vole	2x bank vole	Ant nest	Ant nest	None
17	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None
19	None	None	None	None	None	None	None
20	None	None	None	None	None	None	None

R3a – A1

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	None	None	None
2	None	None	None	None	None	None	None
3	None	None	None	None	None	None	None
4	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None
7	1x common toad juvenile	None	None	None	None	None	None
8	None	None	None	None	None	None	None
9	None	None	None	None	None	None	None
10	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None
13	None	None	None	1x common toad	None	None	None
14	None	None	None	Ant nest	Ant nest	Ant nest	Ant nest
15	None	None	None	None	None	None	None
16	None	None	None	1x common toad	1x common toad	1x common toad	None
17	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None
19	None	None	None	None	None	None	None
20	None	None	None	None	None	None	None

R4 – Goff Petroleum

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	None	None	None
2	None	None	None	Ant nest	Ant nest	None	None
3	None	None	None	None	None	None	None
4	None	None	None	1x bank vole	None	None	None
5	None	None	None	1x bank vole	None	None	None
6	None	None	None	None	None	None	None
7	None	None	Small mammal nest	None	None	None	None
8	None	None	None	None	Ant nest	Ant nest	None
9	None	None	None	None	Ant nest	Ant nest	None
10	None	None	None	None	None	None	None
11	None	None	None	Ant nest	Ant nest	Ant nest	None
12	None	None	Ant nest	Ant nest	Ant nest	Ant nest	None
13	None	None	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest
14	None	None	Ant nest	None	None	None	None
15	None	None	None	None	None	None	None
16	None	None	Ant nest	Ant nest	Ant nest	None	None
17	None	None	Ant nest	Ant nest	Ant nest	None	None
18	None	None	Ant nest	Ant nest	Ant nest	Ant nest	None
19	None	None	None	Ant nest	Ant nest	None	None
20	None	None	None	None	None	None	None
21	None	None	None	None	None	1x bank vole	None
22	None	None	None	None	None	None	None
23	None	None	None	None	None	None	None
24	None	None	Ant nest	None	Ant nest	None	None
25	None	None	Ant nest	Ant nest	Ant nest	Ant nest	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
26	None	None	Ant nest	Ant nest	Ant nest	Ant nest	None
27	None	None	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest
28	Badger scat on ACO	None	None	None	Ant nest	None	None
29	None	None	None	Ant nest	None	None	None
30	None	None	None	None	None	Badger scat on ACO	None

R5 – Buckden west

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	None	None	None
2	None	None	None	None	None	None	None
3	None	None	None	None	3x common toad juveniles	Ant nest	None
4	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None
7	None	None	None	None	None	None	None
8	None	None	None	None	None	None	None
9	None	None	None	None	None	None	1x great crested newt female adult
10	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None
12	None	None	None	None	None	Missed	None
13	None	None	None	None	None	None	None
14	None	None	None	None	None	Missed	None
15	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
16	None	None	None	None	None	Missed	None
17	None	None	None	None	None	1x small mammal	None
18	None	None	None	None	None	None	None
19	None	None	None	None	None	None	1x common toad juvenile
20	None	None	None	None	None	None	None
21	None	None	None	None	None	None	None
22	None	None	None	None	None	None	None
23	None	None	None	None	None	Ant nest	None
24	None	None	None	None	None	None	None
25	None	None	None	None	None	None	None
26	None	None	None	None	None	None	None
27	None	None	None	None	None	None	None
28	None	None	None	None	None	None	None
29	None	None	None	None	None	None	None
30	None	None	None	None	None	None	None

R6 – Buckden Marina

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	1 x bank vole adult	None	None
2	None	None	None	None	None	None	None
3	None	None	None	None	None	None	None
4	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None
7	None	None	None	None	None	None	1x bank vole adult

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
8	None	None	None	None	None	None	None
9	None	None	None	None	1x grass snake juvenile	1x grass snake juvenile	None
10	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None
13	None	None	None	None	None	None	None
14	None	None	None	None	None	None	None
15	None	None	None	None	None	None	None
16	None	None	None	None	None	Missed	None
17	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None
19	None	None	None	None	None	None	None
20	None	None	None	None	None	None	None
21	None	None	None	None	None	None	None
22	None	None	None	None	None	Old vole nest	None
23	None	None	None	None	None	None	None
24	None	None	None	None	None	Old vole nest	None
25	None	None	None	None	None	None	None
26	None	None	None	None	None	1x common toad juvenile	1x common toad juvenile
27	None	None	None	None	None	Ant nest	None
28	None	None	None	None	None	None	None
29	None	None	None	None	None	None	2x bank vole adult
30	None	None	1x bank vole and nest	None	None	3x juvenile bank vole	1x bank vole adult

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
31	None	None	1x bank vole and nest	None	None	None	None
32	None	1x bank vole adult	None	None	None	2x bank vole juveniles	None
33	None	None	None	None	None	Old vole nest	None
34	None	None	None	None	None	Old vole nest	None
35	None	None	None	None	None	None	None
36	None	None	None	None	None	Old vole nest	None
37	None	None	None	None	None	Old vole nest	None
38	None	None	None	None	None	Ant nest	None
39	None	None	None	None	None	1x common shrew	None
40	None	None	None	None	Ant nest	None	None
41	None	None	None	None	None	None	None
42	None	None	None	None	2x shrew adult	Ant nest	None
43	None	None	None	None	Ant nest	Old vole nest	1x shrew adult
44	None	None	None	None	None	2x bank vole juveniles	2x bank vole adult
45	None	None	None	None	1x shrew adult	Ant nest	None

R7 – east of river Great Ouse

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	None	None	None
2	None	None	None	None	1x common toad	None	None
3	None	None	None	None	None	None	None
4	None	None	None	None	None	None	None
5	None	None	None	None	Ant nest	None	None
6	None	1x bank vole adult	None	None	Ant nest	None	None
7	None	None	None	None	None	None	None
8	None	None	None	None	None	None	None
9	None	None	None	None	None	None	None
10	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None
13	None	None	None	None	None	None	None
14	None	None	None	None	None	None	None
15	None	None	None	None	None	1x bank vole adult	None
16	None	None	None	None	None	None	None
17	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None
19	None	None	None	None	None	None	None
20	None	None	None	None	None	None	None
21	None	None	None	None	None	None	Ant nest
22	None	None	None	None	None	None	None
23	None	None	None	None	None	None	None
24	None	None	None	None	None	None	None
25	None	None	None	None	None	None	None
26	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
27	None	None	None	None	None	None	None
28	None	None	None	None	None	None	None
29	None	None	None	None	Ant nest	None	Ant nest
30	None	None	None	None	None	None	None

R10 – Swavesey Sewage Works

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	Ant nest	Ant nest	None	None	Old ant nest	Ant nest
2	None	None	Ant nest	None	None	None	Ant nest
3	None	None	None	None	None	None	None
4	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None
6	None	Ant nest	Red ant nest	Red ant nest	Red ant nest	Red ant nest	Red ant nest
7	None	None	None	None	None	None	Devil's coach horse
8	None	None	None	None	Old vole nest	Old vole nest	Old vole nest
9	None	None	None	None	None	None	None
10	None	None	None	Old vole nest	Old vole nest	Old vole nest	Old vole nest
11	None	None	None	None	None	None	None
12	None	None	None	None	Old vole nest	Old vole nest	1x bank vole adult
13	None	None	None	Damaged by mowing	Damaged	Damaged	Damaged
14	None	None	None	None	Old vole nest	1x adult bank vole	1x bank vole adult
15	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
16	None	None	None	None	None	None	2x bank vole adults
17	None	In shade	None	None	None	None	None
18	None	None	None	Vole nest	None	None	None
19	None	Ant nest	None	None	None	Old vole nest	Ant nest
20	None	In shade	None	None	Old vole nest	Old vole nest	None
21	None	None	None	None	None	None	None
22	None	In shade	Old vole nest	None	Old vole nest	Old vole nest	None
23	None	None	None	Old vole nest	None	None	None
24	None	None	None	None	None	Old vole nest	1x wood mouse sub-adult
25	None	None	None	Old vole nest	None	None	None
26	None	In shade	None	None	None	None	None
27	None	In shade	None	None	None	None	None
28	None	In shade	None	None	None	Old vole nest	None
29	None	None	None	None	None	None	None
30	None	None	None	ACOs moved but retrieved	None	None	None

R11 – Bar Hill

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	1x bank vole adult	6x bank vole juveniles	1x bank vole adult	2x bank vole adult	4x bank vole adult
2	None	1x bank vole	1x bank vole juvenile	Vole nest	5x bank vole juveniles	4x bank vole adult	None
3	None	None	None	Old vole nest	Old vole nest	None	None
4	None	None	None	None	2x bank vole juveniles	2x bank vole sub-adults	Vole runs
5	None	None	None	None	None	2x bank vole	5x bank vole sub-adults
6	None	None	None	Old vole nest	Old vole nest	Bank vole nests	Old vole nest
7	None	1x bank vole	Old vole nest	Old vole nest	Vole run and old nest	2x bank vole adults	3x bank vole adults
8	None	1x bank vole	None	4x bank vole juveniles	5x vole sub-adults.	4x bank vole adults.	1x bank vole adults
9	None	None	None	None	None	None	None
10	None	None	None	1x adult bank vole	1x juvenile bank vole	2x bank voles	Old vole nest
11	None	None	None	None	None	Bank vole nest	Old vole nest
12	None	None	None	None	None	2x sub-adult bank voles	2x adult bank vole
13	None	None	None	None	Old vole nest	1x bank vole nest	None
14	None	None	None	None	Old vole nest	None	Old vole nest

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
15	None	None	None	None	None	1x bank vole adult	None
16	None	None	None	None	Old vole nest	Old bank vole nest	None
17	None	None	None	None	Old vole nest	None	Old vole nest
18	None	None	None	None	Old vole nest	None	Old vole nest
19	None	Blown over, replaced	None	None	Old vole nest	Bank vole nest	Old vole nest
20	None	Blown over, replaced.	Blown over, replaced.	None	Blown over, replaced	None	Red ant nest
21	None	Disturbed by rabbit activity, relocated.	Blown over, replaced	Ant nest	Ant nest	Ant nest	Ant nest
22	None	None	None	1x Bank vole	2x bank vole adults	3x bank vole adults	1x common toad and 1x bank vole sub-adult
23	In shade	In shade	In shade	1x Bank vole	1x common toad and an old vole nest	Bank vole nest	Bank vole nest
24	None	Blown over, replaced and weighted down	None	None	None	None	None
25	In shade	None	None	None	Old vole nest	Bank vole nest	1x bank vole adult

R12 - Dry Drayton

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	Chopped up	Missing	Missing	Missing
2	None	None	None	Chopped up	Missing	Missing	Missing
3	1x Small mammal	None	None	Chopped up	Missing	Missing	Missing
4	None	None	1x bank vole	Chopped up	Missing	Missing	Missing
5	None	None	None	Chopped up	Missing	Missing	Missing
6	None	None	None	1x bank vole adult	1x bank vole adult	2x bank vole adult	Old vole nest
7	None	None	None	None	2x bank vole adult	Old vole nest	4x bank vole, 1x adult and 3x juvenile
8	None	None	None	None	1x bank vole adult	Vole nest	Old vole nest
9	None	None	None	None	2x old vole nest	Vole nest	Old vole nest
10	In shade	None	None	Old vole nest	2x bank vole juveniles	Vole nest	2x common shrew and old vole nest
11	None	1x bank vole	Bank vole and young	Old vole nest	Old vole nest	Vole nest	Old vole nest
12	None	None	None	None	3x bank vole juveniles	2x bank vole adult	Old vole nest
13	None	Vole tunnels	Vole runs	Old vole nest	None	1x bank vole adult	Old vole nest and ant nest forming

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
14	None	None	None	None	2x bank vole	1x bank vole adult	Old vole nest
15	None	None	1x bank vole	Old vole nest	Old vole nest	1 adult bank vole	Old vole nest
16	None	None	None	None	None	None	None
17	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None
19	None	Blown over, replaced	None	None	Red ant nest	None	None
20	Blown over, replaced	Blown over, replaced	1x bank vole	None	Ant nest	None	Old vole nest
21	None	None	None	Chopped up	Missing	Missing	Missing
22	None	None	None	Chopped up	Missing	Missing	Missing
23	None	None	None	Chopped up	Missing	Missing	Missing
24	None	None	None	Chopped up	Missing	Missing	Missing
25	None	None	None	Chopped up	Missing	Missing	Missing
26	In shade	None	In shade	None	Old vole nest and ant nest	Old vole nest	1x bank vole adult and old nest
27	Partially in shade	None	In shade	1x bank vole adult	Old vole nest	Old vole nest	1x bank vole adult and old nest
28	None	None	None	Old vole nest	Old vole nest	Old vole nest	1x old vole nest
29	Partially in shade	Bank vole	In shade	1x Bank vole adult	Old vole nest and 1x bank vole	Old vole nests	2x old vole nest

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
30	None	Bank vole nest	None	ants	2x bank voles	1x bank vole adult and old nests	2x bank vole adults
31	Partially in shade	Bank vole nest	None	Old vole nest	1 adult bank vole	Old vole runs	Old vole nest
32	None	None	2x bank vole	2x bank voles	5x bank vole juveniles	2x bank voles adult and old vole nest	1x bank vole adult
33	Partially in shade	None	Bank vole	None	5x bank vole juveniles	2x bank voles adult and old vole nest	Old vole nest
34	None	None	None	1x Bank vole	1x small mammal	1x Common shrew and vole nest	2x old vole nests
35	None	None	None	ants	Ant nest	Old vole nest	2x old vole nests

R13 – Catch Hall

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	1x bank vole. In shade	In shade	None	2x common toad juveniles	1x common toad juvenile	In shade	1x common toad juvenile
2	In shade	None	None	None	Red ant nest, devils coach horse	In shade	None
3	1x common toad. In shade	Ant nest. In shade	Red ant nest	Red ant nest	None	Red ant nest. In shade	1x common toad juvenile and red ant nest
4	In shade	In shade	None	Fox scat on refugia	None	None	None
5	In shade	None	None	None	None	None	None
6	In shade	Ant nest	Ant nest	None	None	In shade	None
7	Ant nest	Ant nest	Ant nest	None	Ant nest	Ant nest	None
8	None	None	None	None	None	None	1x small mammal.
9	In nettles	None	None	None	None	In shade	None
10	In shade	None	None	Almost split in two	None	In shade	None
11	None	None	Ant nest	None	None	In shade	None
12	None	1x bank Vole	None	Old vole nest	Old vole nest	In shade, old vole nest	None
13	None	None	Old Vole nest	None	1x common shrew adult	In shade	None
14	None	None	Vole run	1x bank vole adult	None	In shade	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
15	None	None	None	None	None	In shade	None
16	None	None	None	None	1x common shrew adult	In shade	None
17	None	None	Pool of water on refugia	None	Old vole nest	Old vole nest, in shade	1x vole nest
18	Partial shade	None	None	None	None	In shade	1x vole nest
19	None	None	None	Folded over.	None	In shade	None
20	In shade	None	None	None	Old vole nest	In shade	None

R14 – Girton interchange

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	1x bank vole adult	1x bank vole adult	Old vole nest	Old vole nest	Vole runs, deer scat near ACO	None
2	Ant nest. In shade	Ant nest	Ant nest	Ant nest	Ant nest	1x bank vole adult. Ant nest	None
3	Ant nest. In shade	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	None
4	Ant nest	None	Ant nest	None	None	Ant nest	None
5	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	None
6	None	Red ant nest and old vole nest	Red ant nest	Old ant nest	1x bank vole adult and fox scat on ACO	Old ant nest and vole run. Fox scat near ACO.	None
7	In shade	None	Water on mat	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
8	None	None	None	Old vole nest	Old vole nest	Old Vole Nest	None
9	In partial shade	None	None	Old vole nest	Old vole nest	Old Vole nest	None
10	In shade	None	Red ant nest	Red ant nest	Red ant nest	Red ant nest	None
11	In shade	None	None	None	Old Vole nest	Old Vole nest	None
12	None	None	Ant nest	Ant nest	Old Vole nest	None	None
13	None	None	Vole nest	Old vole nest	Old Vole nest	1x bank vole adult	None
14	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	None
15	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	None
16	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	Ant nest	None
17	None	None	Ant nest	None	None	None	None
18	None	None	Old ant nest	Old ant nest	None	Old ant nest	None
19	None	None	None	Old Vole nest	Old Vole Nest	Old vole nest	None
20	None	None	Ant nest	None	None	Violet Ground Beetle	None

R15 - NIAB

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
1	None	None	None	None	In shade	None	None
2	Plough line right up to ACO	None	Ant nest	In shade	In shade	Ant nest	None
3	Plough line right up to ACO	None	None	In shade	In shade	None	None
4	Plough line right up to ACO	None	None	In shade	In shade	None	None
5	Plough line right up to ACO	None	None	In shade	In shade	None	None
6	None	None	None	Old vole nest	Old vole nest	None	None
7	Red Ant nest	None	Red ant nest	Old ant nest	None	Ant nest	Old vole nest
8	None	None	Old vole nest	Old vole nest	Old vole nest	1x common toad adult	None
9	None	None	None	None	Old vole nest	None	None
10	None	None	None	Old vole nest	Old vole nest	None	Old nest
11	None	None	Red ant nest	Red ant nest	Red ant nest	Ant nest	None
12	None	None	Ant nest	Ant nest	None	None	None
13	None	None	None	Old vole nest	Old vole nest	None	1x bank vole adult
14	None	None	Ant nest	Ant nest	Ant nest	Ant nest	None
15	None	None	Blown over, replaced.	None	None	None	None
16	None	None	None	None	None	None	None
17	None	None	None	<i>Cladonia</i> sp. lichen	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
18	Partially blown over	None	None	None	None	None	None
19	Partially blown over	None	None	None	None	None	None
20	None	None	None	None	None	None	None
21	None	None	None	None	None	Vole nest	Old vole nest
22	None	1x common toad juvenile	None	None	None	1x common toad juvenile	None
23	None	1x common toad juvenile	None	1x bank vole	None	1x common toad adult	Vole nest
24	None	2x common toad juvenile	None	Old vole nest	Old vole nest, in shade	Vole nest	None
25	None	None	None	Old vole nest	Old vole nest, in shade	1x common toad juvenile, vole nest	None
26	In shade	None	None	Old vole nest	Old vole nest	1x viviparous lizard juvenile	None
27	None	None	None	None	None	None	None
28	In shade	None	None	None	None	1x common toad juvenile	None
29	None	None	None	None	None	None	None
30	None	None	None	None	1x viviparous lizard juvenile	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
31	None	1x Common toad juvenile	None	Old vole nest	1x bank vole sub-adult.	Vole nest	None
32	None	1x common toad adult	None	Ant nest, old vole nest	1x bank vole adult	Ant nest and vole nest	Ant nest and vole nest
33	None	3x common toad juvenile	None	None	None	None	None
34	None	2x common toad juvenile	None	None	None	None	None
35	None	1x common toad juvenile	None	None	None	None	None
36	None	2x common toad juvenile	None	None	None	None	1x bank vole
37	None	None	None	None	None	2x viviparous lizard juveniles	1x viviparous lizard juvenile
38	None	None	None	Old vole nest	Old vole nest	Vole nest	None
39	Ant nest	None	None	Ant nest	Ant nest	None	None
40	Blown over	None	None	1x viviparous lizard juvenile	1x viviparous lizard juvenile	None	1x common toad juvenile

2014 data

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
J1 – Brooklands Farm							
127	None	None	None	None	None	None	None
128	None	None	None	None	None	None	None
129	None	None	None	None	None	None	None
130	None	None	None	None	None	None	None
131	None	None	None	None	None	None	None
132	None	None	None	None	None	None	None
133	None	None	None	None	None	None	None
134	None	None	None	None	None	None	None
135	None	None	None	None	None	None	None
136	None	None	None	None	None	None	None
137	None	None	None	None	None	None	None
138	None	None	None	None	None	None	None
139	None	None	None	None	None	None	None
140	None	None	None	None	None	None	None
141	None	None	None	None	None	None	None
J2 - Nursery Farm north							
1	1x grass snake (sub-adult)	None	None	None	None	None	None
2	None	None	None	None	None	None	None
3	None	None	None	None	None	None	None
4	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None
7	None	None	None	None	None	None	None
8	None	None	None	None	None	None	None
9	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
10	None	None	None	None	None	1x common toad adult male	None
11	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None
13	None	None	None	1x grass snake (adult)	None	None	None
14	None	None	None	None	None	None	None
15	None	None	None	None	None	None	None
16	None	None	None	None	None	None	None
17	None	None	None	Missing	Missing	Missing	Missing
18	None	None	None	None	None	None	None
19	None	None	None	None	None	None	None
20	None	None	None	None	None	None	None
21	None	None	None	None	None	None	None
22	None	None	None	None	None	None	None
23	None	None	None	None	None	None	None
24	None	None	None	None	None	None	None
25	None	None	None	None	None	None	None
26	None	None	None	None	None	None	None
27	None	None	None	None	None	None	None
28	None	None	None	None	None	1x common toad immature	None
29	None	None	None	None	None	None	None
30	None	None	None	None	None	None	None
31	None	None	None	None	None	None	None
32	None	None	None	None	None	None	1x common shrew

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
							adult
33	None	None	None	None	None	None	None
34	None	None	None	None	None	None	None
35	None	None	None	None	None	None	None
36	None	None	None	None	None	None	None
37	None	None	None	None	None	None	None
38	None	None	None	None	None	None	None
39	None	None	None	None	None	None	None
40	None	None	None	None	None	None	None
41	None	None	None	None	None	None	None
42	None	None	None	None	None	None	None
43	None	None	None	None	None	1x grass snake (sub-adult)	None
44	None	None	None	None	None	None	2x field voles juveniles
45	None	None	None	None	None	None	None
46	None	None	None	None	None	None	None
47	None	None	None	None	None	None	None
48	None	None	None	None	None	None	None
49	None	None	None	None	None	None	None
50	None	None	None	None	None	None	None
51	None	None	None	None	None	None	None
52	None	None	None	None	None	None	1x grass snake (adult)
53	None	None	None	None	None	None	None
54	None	None	None	None	None	None	None
55	None	None	None	None	None	None	None
56	None	None	None	None	None	None	None
57	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
58	None	None	None	None	None	None	None
59	None	None	None	None	None	None	None
60	None	None	None	None	None	None	None
61	None	None	None	None	None	None	None
62	None	None	None	None	None	None	None
63	None	None	None	None	None	None	None
64	No ACO found with this number.						
65	None	None	None	None	None	None	None
66	None	None	None	None	None	None	None
67	None	None	None	None	None	None	None
68	None	None	None	None	None	None	None
69	None	None	None	None	None	None	None
70	None	None	None	None	None	None	None
71	None	None	None	None	None	None	None
72	None	None	None	None	None	None	None
73	None	None	None	None	None	None	None
74	None	None	None	None	None	None	None
75	None	None	None	None	None	None	None
76	None	None	None	None	None	None	None
77	None	None	None	None	None	None	None
78	None	None	None	None	None	None	None
79	None	None	None	None	None	None	None
80	None	None	None	None	None	None	None
81	None	None	None	None	None	None	Missing
82	None	None	None	None	None	None	None
83	None	None	None	None	None	None	Missing
84	None	None	None	None	None	None	None
85	None	None	None	None	None	None	None
86	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
87	None	None	None	None	None	None	None
88	None	None	None	None	None	None	None
89	None	None	None	None	None	None	None
90	None	None	None	None	None	None	None
91	None	None	None	None	None	None	None
92	None	None	None	None	None	None	None
93	None	None	None	None	None	None	None
94	Missing	Missing	Missing	Missing	Missing	Missing	Missing
95	None	None	None	1x field vole	None	None	None
96	None	None	None	None	None	None	None
97	None	None	None	None	None	None	None
98	None	None	None	None	None	None	None
99	None	None	None	None	None	None	None
100	None	None	None	None	None	None	None
101	None	None	None	None	None	None	None
102	None	None	None	None	None	None	None
103	None	None	None	None	None	None	None
104	None	None	None	None	None	None	None
105	None	None	None	None	None	None	None
106	None	None	None	None	None	None	None
J3 – Nursery Farm middle							
107	None	None	None	None	None	None	None
108	None	None	None	None	None	None	None
109	None	None	None	None	None	None	None
110	None	None	None	None	None	None	None
111	None	None	None	None	None	5x bank vole.	None
112	None	None	None	1x grass snake (juvenile)	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
113	None	None	None	None	None	None	None
114	1x grass snake (adult)	None	None	None	None	None	None
115	None	None	None	None	None	None	None
116	None	None	None	None	None	None	None
117	None	None	None	None	None	None	None
118	None	None	None	None	None	None	None
119	None	None	None	None	None	None	None
120	None	None	1x grass snake (adult)	None	None	None	1x grass snake (adult)
121	None	None	None	None	None	None	None
122	None	None	None	None	None	None	None
123	None	None	None	None	None	None	None
124	None	None	None	None	None	None	None
125	None	None	None	None	None	None	None
126	None	None	None	None	None	None	None
142	None	None	None	None	None	None	None
143	None	1x grass snake (juvenile)	None	None	None	None	None
144	None	None	None	None	None	None	None
145	None	None	None	None	None	None	None
146	None	None	None	None	None	None	None
147	None	None	None	None	None	None	None
148	None	None	None	None	None	None	None
149	None	None	None	None	None	None	None
150	None	None	None	None	None	None	None
151	None	None	None	None	None	None	None
152	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
153	None	None	None	None	None	None	None
154	None	None	None	None	None	None	None
155	None	None	None	None	None	None	None
156	None	None	None	None	None	None	None
157	None	None	None	None	None	None	None
158	None	None	None	None	None	None	None
159	None	None	None	None	None	None	None
160	None	None	None	None	None	None	1x grass snake (juvenile)
161	None	None	None	None	None	None	None
J4 – Nursery Farm middle							
162	None	None	None	None	None	None	1x vole sp. seen briefly.
163	None	None	None	None	None	None	None
164	None	None	None	None	None	1x grass snake (juvenile)	None
165	None	None	None	None	None	None	None
166	None	None	None	None	None	1x grass snake (juvenile)	None
167	None	None	None	None	None	None	None
168	None	None	None	None	None	None	None
169	None	None	None	None	None	None	None
170	None	None	None	None	None	None	None
171	None	None	None	None	None	None	None
172	None	None	None	None	None	None	None
173	None	None	1x grass snake (juvenile)	None	None	None	1x grass snake (juvenile)
174	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
175	None	None	None	None	None	None	None
176	None	None	None	None	None	None	None
177	None	None	None	None	None	None	None
178	None	None	None	None	None	None	None
179	None	None	None	None	None	None	None
180	None	None	None	None	None	None	None
181	None	None	None	None	None	None	None
J5 – Nursery Farm south							
182	None	None	None	None	None	None	None
183	None	None	None	None	None	None	None
184	None	None	None	None	None	None	None
185	None	None	None	None	None	None	None
186	None	None	None	None	None	None	None
187	None	None	None	None	None	None	None
188	None	None	None	None	None	None	None
189	None	None	None	None	None	None	None
190	None	None	None	None	None	None	None
191	None	None	None	1x grass snake (juvenile)	None	1x grass snake (juvenile)	None
192	None	None	None	None	None	None	None
193	None	None	None	None	None	None	None
194	None	None	None	None	None	None	None
195	None	None	None	None	None	None	None
196	None	None	None	None	None	None	None
197	None	None	None	None	None	None	None
198	None	None	None	None	None	None	None
199	None	None	None	None	None	None	None
200	None	None	None	None	None	None	None
201	None	None	None	None	None	None	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
202	None	None	None	None	None	None	None
203	None	None	None	None	None	None	None
204	None	None	None	None	None	None	None
205	None	None	None	None	None	None	None
206	None	None	None	None	None	None	None
207	None	None	None	None	None	None	None
208	None	None	None	None	None	None	None
209	None	None	Missed	Missed	Missed	None	None
210	None	None	None	None	None	None	None
211	None	None	None	None	None	None	None
212	None	None	None	None	None	None	None
213	None	None	None	None	None	None	None
214	None	None	None	None	None	None	None
215	None	None	None	None	None	None	None
216	None	None	None	None	None	None	None
217	None	None	None	None	None	None	None
218	None	None	None	None	None	None	None
219	None	None	None	None	None	None	None
220	None	None	None	None	None	None	None
221	None	None	None	None	None	None	None
222	None	None	None	None	None	None	None
223	None	None	None	None	None	None	None
224	None	None	None	None	None	None	None
225	None	None	None	None	None	None	None
226	None	None	None	None	None	None	None
227	None	None	None	None	None	None	None
228	None	None	None	None	None	None	None
229	None	None	None	1x grass snake (juvenile)	None	1x grass snake (juvenile)	None

ACO number	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7
230	None	None	None	None	None	None	None
231	None	None	None	None	None	None	None
J6 – Nursery Farm south							
232	None	None	None	None	None	None	None
233	None	None	None	None	None	None	None
234	None	None	None	None	None	None	None
235	None	None	None	None	None	None	None
236	None	None	None	None	None	None	None
237	None	None	None	None	None	None	None
238	None	None	None	Missing	Missing	Missing	Missing
239	None	None	None	None	None	None	None
240	None	None	None	None	None	None	None
241	None	None	None	None	None	None	None
Total	2	1	2	4	0	5	4

List of scientific/common names:

- *Bufo bufo* - Common toad;
- *Clethrionomys glareolus* - Bank vole;
- *Apodemus sylvaticus* - Wood mouse;
- *Rana temporaria* - Common frog;
- *Meles meles* – Badger;
- *Triturus cristatus* - Great crested newt;
- *Natrix natrix* - Grass snake;
- *Sorex sp.* – Shrew;
- *Sorex araneus* - Common shrew;
- *Staphylinus olens* - Devil's coach horse;
- *Vulpes vulpes* – Fox;
- *Carabus violaceus* - Violet ground beetle; and
- *Zootoca viviparous* - Common / viviparous lizard.