
FENWICK SOLAR FARM

Preliminary Environmental Information Report

Volume III Appendix 8-3: Reptile Survey Report

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Prepared for:
Fenwick Solar Project Limited

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Executive Summary

Field surveys were undertaken within the Solar Photovoltaics (PV) Site in order to establish the presence or likely absence of any reptile species within this area and, if present, where they occur and an estimate of population size. The field surveys were supported by a desk study of existing records for the Solar PV Site and surrounding area.

The Solar PV Site was assessed to determine which parts might be suitable for reptiles based on direct experience of the habitats in the area and the use of a Habitat Suitability Assessment. The majority of the Solar PV Site is agricultural land (i.e. intensive arable or grazing) however, there were some areas of potentially suitable habitat identified for survey, which included hedgerows, woodland edge, rough grassland and waterbodies. Due to access and timing, only 2.32 hectares of the suitable habitat was surveyed and was divided into three targeted areas (collectively referred to as the Survey Area). Reptile refugia sheets, as well as direct field observations, were used to determine presence of reptiles in the Survey Area and to provide data from which the size of species population could be determined.

The desk study returned 37 records of Grass Snakes (*Natrix helvetica*) within 2 km of the Solar PV Site. Field surveys, undertaken between May and September 2023, identified the presence Grass Snakes within the Solar PV Site.

The conclusion is that Grass Snakes are present, with an estimated low population on the Solar PV Site based on standard guidance (Ref. 1). This qualifies for Local importance with regards to criteria set out in the Chartered Institute of Ecology and Environmental Management (CIEEM) guidelines (Ref. 2).

Due to the relevant legislation and survey findings described in this report, the Scheme will embed sufficient mitigation measures (formalised through a Construction and Environmental Management Plan (CEMP)) to ensure that reptiles occurring within the Site are not impacted upon, in line with legislation, policy and guidance.

A habitat suitability assessment for reptiles of the Grid Connection Corridor of the Scheme will be undertaken to identify areas of potential value to reptiles. Where suitable habitat exists for a reptile population, and this cannot be avoided, then further presence/absence surveys will be undertaken to inform mitigation.

1. Introduction

1.1 Background

- 1.1.1 This report forms a technical appendix to **PEIR Volume I Chapter 8: Ecology**. This report provides information on the presence and distribution of reptiles relevant to the Fenwick Solar Farm project (hereafter referred to as the 'Scheme').

1.2 The Scheme

- 1.2.1 The proposed Scheme includes three locations (collectively referred to as the 'Site'):
- a. The land located east of Fenwick and immediately south of the River Went (hereafter referred to as the 'Solar Photovoltaics (PV) Site');
 - b. The land between the Solar PV Site and the existing Thorpe Marsh Substation (hereafter referred to as the 'Grid Connection Corridor'); and
 - c. The land located within the existing compound for Thorpe Marsh Substation (hereafter referred to as the 'Existing National Grid Thorpe Marsh Substation').
- 1.2.2 The Scheme comprises the installation of Solar PV Panels, On-Site Cables, Interconnecting Cables, associated Battery Energy Storage System (BESS) Battery Containers, an On-site Substation, a cable or line drop connecting the On-Site Substation to the Existing National Grid Thorpe Marsh Substation and other supporting infrastructure including fencing, access tracks, drainage, and biodiversity and landscaping enhancements.
- 1.2.3 This reptile report considers the Solar PV Site only. A separate assessment will be prepared for the Grid Connection Corridor and presented in the Environmental Statement as part of the DCO submission.

1.3 The Site

- 1.3.1 The Solar PV Site is located near the village of Fenwick, approximately 12 kilometres (km) north of Doncaster, at Ordnance Survey national grid reference SE 60658 16767. It is approximately 421 hectares (ha) in size.
- 1.3.2 The Solar PV Site comprises arable and pasture fields, and small patches of broadleaved woodlands, with the River Went delineating the northern Site Boundary, and two large drains running through the eastern part of the Solar PV Site (Fenwick Common Drain, and Fleet Drain).
- 1.3.3 The Solar PV Site is bounded by further arable and pasture fields to the east, west and south, and the wider area consists of a landscape that is much the same in terms of land use. The small town of Askern is located approximately 3 km to the south west of the Solar PV Site and nearby rural villages Moss and Balne are present within a few kilometres to the south and north respectively.

1.4 Scope of this Report

1.4.1 The purpose of this report is to:

- a. Present the relevant legislation and policy in relation to reptiles present within this Scheme (detailed in Section 2);
- b. Describe the methods used to carry out the desk and field-based assessments for reptiles;
- c. Present existing records of reptiles within 2 km of the Solar PV Site;
- d. Describe areas which are suitable for reptiles within 50 metres (m) of the Solar PV Site; and
- e. Present the reptile survey results and analysis confirming the presence or likely absence of reptiles within the Survey Area (defined in Section 3).

1.4.2 A desk study of existing information was completed to inform the survey and this report.

2. Relevant Legislation and Policy

2.1 Legislation

- 2.1.1 The four reptile species that could be found within or in the vicinity of the Scheme (based on habitat and/or geographical range) are Adder (*Vipera berus*), Grass Snake (*Natrix helvetica*), Common Lizard (*Zootoca vivipara*) and Slow Worm (*Anguis fragilis*). All are typically referred to as ‘widespread’, although all are declining to some degree (Ref. 3).
- 2.1.2 All four species are protected against intentional killing and injury under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) (Ref. 4). Furthermore, Sand Lizard (*Lacerta agilis*) and Smooth Snake (*Coronella austriaca*) are both fully protected under the Conservation of Habitats and Species Regulations 2017 (Ref. 5). However, neither of these species has been, or is likely to be recorded in or near to the Site, due to their specific habitat requirements and restricted range in the United Kingdom (UK).
- 2.1.3 There is no requirement for a licence where development works affect common species of reptiles. Instead, Natural England advise that where reptiles are present, they should be protected from any harm that might arise during the development works through appropriate mitigation.

2.2 Priority Species

- 2.2.1 In addition to the above legislation, four species of reptile (Common Lizard, Grass Snake, Slow Worm and Adder) are listed as being Species of Principal Importance for conservation in England under section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 (Ref. 6). These species are of material consideration during the planning process.
- 2.2.2 The NERC Act list of Species of Principal Importance (Ref. 6) is used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under section 40 of the NERC Act (in this context, the Secretary of State). Under section 40, every public authority (e.g. a local authority or local planning authority) must, in exercising its functions, have regard, so far as is consistent with the proper exercise of those functions, to the purpose of conserving biodiversity, including restoring or enhancing a population or a habitat.
- 2.2.3 The UK Biodiversity Action Plan (UK BAP) (Ref. 7) was launched in 1994 and established a framework and criteria for identifying species (and habitat types) of conservation concern. From this list, action plans for Priority Species of conservation concern were published and have subsequently been succeeded by the UK Post-2010 Biodiversity Framework (July 2012) (Ref. 7), which is relevant in the context of section 40 of the NERC Act. These species are identified as those of conservation concern, due to their rarity or a declining population trend.

2.3 Local Biodiversity Action Plan

- 2.3.1 The Scheme is located within the county of South Yorkshire. Formerly, the Doncaster Biodiversity Action Plan (BAP) (Ref. 8) provided context to inform identification of threatened or uncommon species of local relevance,

alongside priorities for conservation and enhancement targeted at a local level in South Yorkshire. However, under the Environment Act 2021 (Ref. 9), these are being replaced by Local Nature Recovery Strategies (LNRSSs), which are a system of spatial strategies for nature which will support delivery of biodiversity net gain (BNG) and provide more focussed action for nature recovery. Whilst this is still being developed for South Yorkshire and with no specific habitat or species plans currently in place, this report references the Doncaster BAP, for which Slow Worm, Common Lizard, Grass Snake and Adder are all listed, but with no specific action plans in place (Ref. 8).

3. Methods

3.1 Desk Study

- 3.1.1 Reptile data was requested from the Doncaster Biological Records Centre in 2023 as part of the Preliminary Ecological Appraisal (PEA) (Ref. 10). This included records of reptiles within 2 km of the Site within the last ten years.
- 3.1.2 Only records up to ten years old were considered within the assessment, as any records older than ten years are unlikely to be representative of reptile presence in the local area.

3.2 Field Surveys

Habitat Suitability Assessment

- 3.2.1 A Habitat Suitability Assessment (HSA) was undertaken using desk-based data and on-site verification to determine the most likely habitats to support reptiles. Satellite imagery was initially used to highlight potentially suitable habitats for reptiles within 50 m of the Solar PV Site. A walkover survey was then carried out in 2023 by AECOM to verify and further identify suitable habitats within 50 m of the Solar PV Site.
- 3.2.2 Habitats with the potential to support reptiles were assessed based on the following characteristics to determine suitability:
 - a. Location in relation to species range (taken from desk study data);
 - b. Vegetation structure;
 - c. Insolation (sun exposure);
 - d. Aspect;
 - e. Topography;
 - f. Connectivity to nearby good quality habitat;
 - g. Refuge opportunity;
 - h. Hibernation potential;
 - i. Disturbance; and
 - j. Egg-laying site potential (Grass Snake only).
- 3.2.3 Based on the characteristics mentioned above, each habitat was graded (poor, good or exceptional) for its potential to support reptiles and these, alongside a description of these definitions, are presented in Table .

Table 1: Habitat Suitability for Reptiles

Habitat Grading Description

Poor	Habitat which is unfavourable, based on most of the habitat assessment characters listed above or is limited in size and highly isolated from other areas of suitable habitat.
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Good	Habitat which is favourable or sub-optimal for many of the habitat assessment characters listed above; or is sub-optimal for some of the characters and has good connectivity with areas of more suitable habitat.
Exceptional	Habitat which is favourable, based on most of the habitat assessment characters listed above.

3.2.4 The survey area included selected areas of suitable terrestrial habitat for reptiles within the Solar PV Site, which included water bodies (ponds), ephemeral/short perennial vegetation, scrub/woodland edges and semi-improved grassland. Due to timing and access restrictions (see Section 3.5 for limitations), not all habitat identified as being good or exceptional for reptiles was included in the survey area. A total of three targeted areas (collectively referred to as the 'Survey Area') were subject to further survey for reptiles.

3.2.5 Figure 1 (Annex A) illustrates the three targeted areas, as well as the refugia locations and records of reptiles found. Full details on the suitability of the three targeted areas can be found in Section 4.2 of this report.

Presence/Likely Absence Surveys

3.2.6 Reptile presence/likely absence surveys were carried out in the Survey Area through May to September 2023 by suitably experienced AECOM ecologists. The surveys used four recognised methodologies:

- a. Use of artificial refugia to attract reptiles within the Survey Area;
- b. Manual searches of suitable natural refugia present on the Solar PV Site;
- c. Checks for signs of reptile activity including sloughed skins, burrows and eggs; and
- d. Sustained observation of suitable areas within the Solar PV Site (using binoculars when possible).

3.2.7 The survey methods listed above derived from the best practise guidance Froglife advice sheet 10 (Ref. 1), Natural England's Standing Advice Sheet for Reptiles (Ref. 12) and the Herpetofauna Workers' Manual (Ref. 13) with reference to those species most likely to be encountered. Those include:

- a. Common Lizard;
- b. Slow Worm;
- c. Grass Snake; and
- d. Adder.

3.2.8 The reptile presence/likely absence surveys comprised eight visits. The first survey visit consisted of deploying the artificial refugia within the Survey Area in locations suitable for basking reptiles e.g. the south and east facing edges of woodland and hedgerows and sun exposed rough grassland. The seven following survey visits comprised checking refugia (above and underneath) for basking reptiles and executing other survey methodologies listed above in Section 3.3.

- 3.2.9 Artificial refugia used during the surveys were of standard size and specification, namely 0.5 m x 1 m tiles of roofing felt and 0.5 m² of corrugated tin. A total of 94 artificial refugia (between 30 and 50 refugia per hectare) were placed within the Survey Area on the Solar PV Site on 23 May 2023, seven days prior to the first survey visit to allow for bedding in. The artificial refugia were set in transects within areas of suitable habitat and around natural areas of refugia, which were exposed to the sun (see Figure 1, Annex A for refugia locations).
- 3.2.10 The surveys were conducted in suitable weather conditions in accordance with the preferred basking temperatures of each species listed. Attention was given to individual species preferences when conducting the surveys (Ref. 1 and Ref. 14). The species preferences are as follows:
- a. Adders bask freely at temperatures between 8 °C and 16 °C and are the least tolerant of higher temperatures. Young adders are born live during August;
 - b. Common lizards typically bask at temperatures between 9 °C and 18 °C between March and June; though gravid females will bask through to the end of July when they give birth;
 - c. Grass snakes will bask at temperatures between 12 °C and 20 °C. They typically lay eggs in compost heaps, manure piles and grass cuttings. Eggs are laid between June and July and typically hatch in August and September. Checking these sites for eggs carefully with minimal disturbance offers a potential means of survey; and
 - d. Slow worms will typically bask at similar temperatures to common lizards. However, they are usually found by turning over debris and are rarely seen basking. Hatchlings are born in September but rarely bask.
- 3.2.11 Attention was paid to the forecast temperatures to ensure periods of extreme heat or temperatures below 9 °C were avoided during presence/likely absence surveys. Where practicable, the surveys were carried out between 8:00 and 11:00 in an effort to ensure the surveys were done between guideline temperatures of 9 °C and 20 °C, and when there was little wind and intermittent hazy sunshine (representing ideal basking temperatures for UK reptiles (Ref. 1)).
- 3.2.12 Where any reptiles were found, the age of each reptile was also recorded using the Amphibian and Reptile Conservation Trust (ARC) Reptile Identification Guide (Ref. 15).
- 3.2.13 The dates of reptile surveys and weather conditions during these surveys are presented in Annex C.

3.3 Population Estimates

- 3.3.1 Where reptiles are present, estimating population sizes of reptiles can be undertaken using guidance within Froglife's advice sheet Number 10 (Ref. 1). This method of population size estimate (as presented in Table) uses the assumption of a reptile survey using a density of 10 reptile sheets per hectare. However, it can be difficult to determine a population size through interpretation of data using peak counts of reptiles and densities of refugium sheets. Therefore, an average score across all survey visits will provide a

more robust estimate of the population size of each reptile species present within suitable on-site habitat.

- 3.3.2 Reptile populations can be classed into three groups - low population, good population and exceptional population, based on the average maximum number of adults seen by one person in one day. Table provides the criteria for each population size in relation to each reptile species (Ref. 1).

Table 2: Reptile Population Estimates

Species	Low Population	Good Population	Exceptional population
Adder	<5	5 – 10	>10
Grass snake	<5	5 – 10	>10
Common lizard	<5	5 – 20	>20
Slow worm	<5	5 – 20	>20

3.4 Biodiversity Importance

- 3.4.1 The value (Importance) of the Solar PV Site for reptiles and the geographical frames of reference used for this assessment is based on section 4.7 in the Chartered Institute of Ecology and Environmental Management (CIEEM) guidelines (Ref. 2).
- 3.4.2 This gives guidance on scoping and carrying out environmental assessments and places appraisal in the context of relevant policies and at a geographical scale at which feature matters (i.e. international, national, regional, county, district, local or site). Data received through desk study and field-based surveys were used to identify the importance of the species addressed in this report. Professional judgement was also applied, where necessary. Relevant published national and local guidance and criteria has been used, where available, to inform the assessment of biodiversity importance and to assist consistency in evaluation.

3.5 Assumptions and Limitations

Desk Study

- 3.5.1 The aim of a desk study is to help characterise the baseline context of a scheme and provide valuable background information that would not be captured by a single site survey alone. Information obtained during the course of a desk study is dependent upon people and organisations having made and submitted records for the area of interest. As such, a lack of records for a particular species does not necessarily mean that the species does not occur in the Study Area. Likewise, the presence of records for particular species does not automatically mean that these still occur within the area of interest or are relevant in the context of the Scheme.

Field Survey

- 3.5.2 Due to the size of the Solar PV Site, land access and the small survey window available for a reptile survey, the suitable areas that were selected for survey was limited. Whilst some areas were not surveyed, this did not affect the survey outcome as the main aim was to confirm presence/likely absence from the Solar PV Site.
- 3.5.3 It was reported on visit four that refugia numbers 55 to 65 had been destroyed by cultivation (see Figure 1, Annex A). This was not a significant limitation as refugia density was higher than required to determine presence/absence. They were not replaced as no suitable habitat remained at these locations.
- 3.5.4 The artificial refugia were given seven days to bed in which is below the minimum 14 days recommended in the relevant survey guidance (Ref. 1 and Ref. 13). This was counteracted by the long period of time between survey visit three and four which gave the refugia a substantial amount of time to bed in with no disturbance from survey visits. Additional vegetation was also placed under the artificial refugia in order to sustain a suitable place of refuge for reptiles over the long survey period.
- 3.5.5 Survey temperatures exceeded 20 °C on visit four and visit seven and finishing times exceeded 11:00 on survey visits two to seven. This was due to the large scale of the survey effort. These temperature and timing limitations are presumed to have little impact on the survey results as the majority of each of these surveys were still within the suitable survey timing and temperatures.
- 3.5.6 Present/likely absence surveys for reptiles are not adequate for predicting population estimates due to the number of survey visits. Accurate population estimates require a minimum of twenty survey visits (Ref. 1). The population estimate given in this report is therefore an estimate only based on the data collected from the presence/likely absence survey.
- 3.5.7 None of these limitations are likely to significantly affect the conclusions of this report.

4. Results

4.1 Desk Study

- 4.1.1 Within the preceding ten years, the desk study returned 37 records of Grass Snake within 2 km of the Site through the Doncaster Biological Records Centre. All of the records were located south east of the Site, with the closest record being 0.9 km of the Site (see Figure 2, Annex A).
- 4.1.2 No other reptiles were recorded within 2 km of the Site in the last ten years.

4.2 Field Surveys

Habitat Suitability Assessment (HSA)

- 4.2.1 The HSA survey conducted in 2023 identified multiple good/exceptional graded habitats suitable for reptiles either within or immediately adjacent to the Solar PV Site (see Figure 1, Annex A).
- 4.2.2 The good/exceptional habitats identified consisted of:
- a. Bordering hedgerows;
 - b. Hay fields;
 - c. Mixed broadleaf woodlands;
 - d. Rough grassland field margins;
 - e. Compost/hay/manure/log piles; and
 - f. Ponds, ditches and rivers.
- 4.2.3 The south, east and west facing sun exposed aspects of these habitats listed are hot spots for basking reptiles (Ref. 13).
- 4.2.4 Table 3 describes the habitats for each section of the Survey Area with reference to the artificial refugia numbering shown on Figure 1 (Annex A).

Table 3: Suitable Reptile Habitats Targeted for Presence/Likely Absence Surveys

Refugia Number Range (area (ha) of section)	Habitat Description	Suitability for Reptiles
1 to 31 (0.41 ha)	A hedgerow/tree line that running north to south. Adjacent hay field with rough grassland field margins to its east. Woodland ponds and semi-improved grassland land to its west.	Eastern aspect of hedgerow/tree line provides sun exposure and cover for morning basking along the field margin. Woodland provides natural refugia and hibernacula. Pond, woodland and grassland habitats are suitable foraging habitats.

Refugia Number Range (area (ha) of section)	Habitat Description	Suitability for Reptiles
32 to 54 and 55 to 65 (1.4 ha)	A hedgerow, rough grassland field margin and drainage ditch running parallel to each other, south west to north east. Adjacent hay fields and agricultural.	South-east aspect hedgerow provides sun exposure and cover for morning basking along the field margin. Drainage ditch and rough grassland are suitable foraging habitats.
66 to 94 (0.51 ha)	Broad leaved woodland with south and east running rough grassland field margins. Adjacent hay fields and ditches	Southern and eastern aspect of woodland provides sun exposure and cover for morning basking along the field margin. Woodland provides natural refugia and hibernacula. Ditches, woodland and grassland habitats are suitable foraging habitats.

4.3 Field Surveys

4.3.1 During the presence/likely absence surveys carried out between May and September 2023, only one species of reptile was recorded (Grass Snake). This species was recorded during the 4th, 5th, 6th and 7th visit only. Table provides a summary of the Grass Snakes found during the presence/likely absence surveys. The age and sex of the individual was recorded where practicable. Photos are provided in Annex B.

Table 4: Summary of Grass Snakes Presence/Likely Absence Survey Results

Visit Number	Number of individuals recorded				Total
	Adult Male	Adult Female	Adult unsexed	Juvenile	
4	2	2	4	1	9
5	0	1	4	2	7
6	0	0	3	1	4
7	1	0	1	3	5

- 4.3.2 One adult Grass Snake was recorded during other ecological surveys on 14 September 2023 to the north west of the Solar PV Site, outside of the Survey Area (see Figure 1, Annex A).

5. Evaluation

- 5.1.1 The desk study returned 37 records of Grass Snake, all of which were to the south east of the Site, the closest being 0.9 km from the Site
- 5.1.2 Field surveys within the Solar PV Site were undertaken between May and September 2023, and recorded one reptile species within the Survey Area which was Grass Snake. During other ecological surveys, one adult Grass Snake was also recorded within the north west region of the Solar PV Site. Some suitable habitats were not included in the survey (see Limitations Section 4.5) therefore, Grass Snakes are likely to be present within suitable habitats throughout the Solar PV Site and not just the targeted Survey Area.
- 5.1.3 Grass Snake is a mobile reptile that will commute through areas of less suitable habitat such as arable fields and pasture to get to suitable basking or hibernation sites. Therefore, Grass Snake cannot be assumed to be absent from areas which are less suitable.
- 5.1.4 The number of juvenile Grass Snakes recorded indicates that breeding is likely taking place within or in close proximity to the Solar PV Site. Grass Snakes are oviparous and lay their eggs within decomposing vegetation such as the compost and manure piles identified on Site. Woodland habitats may also provide similar egg laying sites.
- 5.1.5 No other reptile species were recorded within the Solar PV Site or returned by the desk study.
- 5.1.6 The average peak count for Grass Snake recorded during the presence/likely absence surveys was four (rounded up). According to the criteria stated in Section 3.3 of this report, an estimated low population size of Grass Snake is present within the Solar PV Site. Therefore, the Grass Snake population on the Solar PV Site would qualify as of Local importance and a precautionary approach to mitigation will be implemented within this area.

6. Conclusions

- 6.1.1 The primary purpose of this report is to provide an assessment of the presence or absence of reptiles and their biodiversity importance within the Scheme to inform **PEIR Volume I Chapter 8: Ecology**.
- 6.1.2 The desk study returned 37 records of Grass Snake, occurring within 2 km of the Site. Field surveys for reptiles, undertaken within suitable habitat on the Solar PV Site in 2023, identified the presence of one reptile species – Grass Snake, occurring at a low population. The Solar PV Site was assessed as of Local importance for reptiles.
- 6.1.3 Due to the relevant legislation and survey findings illustrated in Sections 2 and 4 of this report, mitigation will be required to avoid causing an offense during the construction of the Scheme.
- 6.1.4 The Scheme will embed sufficient mitigation measures (formalised through a Construction and Environmental Management Plan (CEMP)) to ensure that reptiles occurring within the Site are not impacted upon, in line with legislation, policy and guidance as described in Section 2 of this report.
- 6.1.5 An assessment of potential impacts (considering embedded mitigation), any additional mitigation and residual effects has been undertaken and included within **PEIR Volume I Chapter 8: Ecology**.
- 6.1.6 A habitat suitability assessment for reptiles of the Grid Connection Corridor of the Scheme will be undertaken Where suitable habitat exists for a reptile population, and this cannot be avoided, then further presence/absence surveys will be undertaken to inform mitigation.

7. References

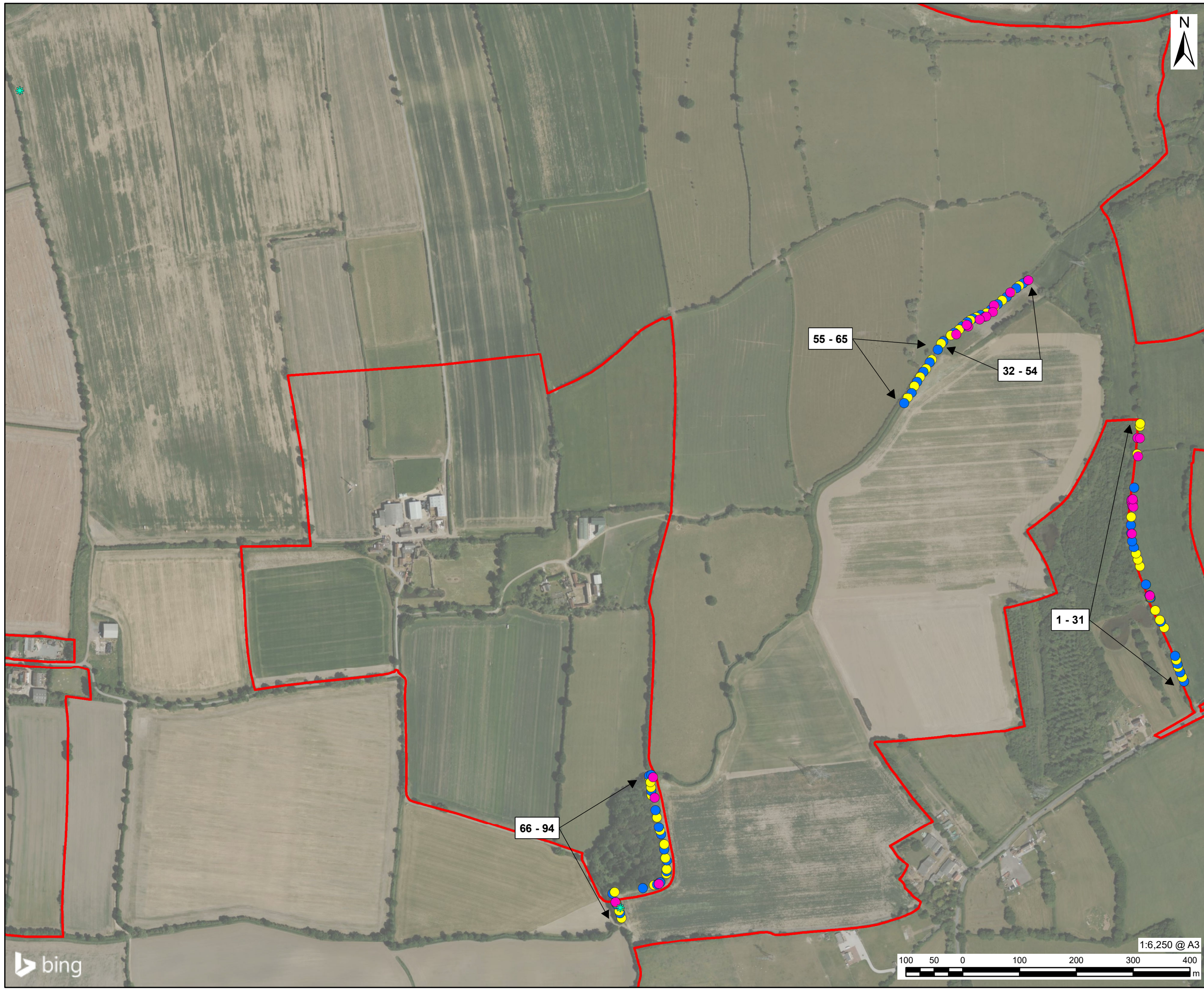
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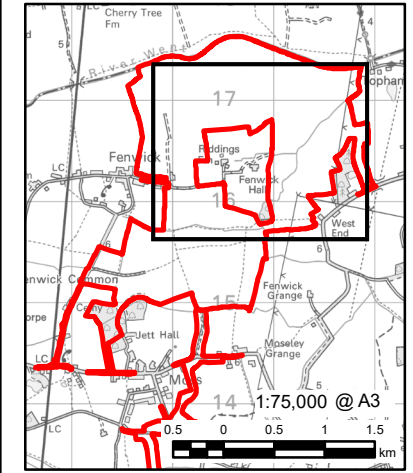
Annex A Figures

Figure 1: Reptile Survey Results Map

Figure 2: Desk Study Data Results Map



- LEGEND**
- Site Boundary
 - * Grass Snake Sighting - Non Refugia
 - Felt Tile
 - Metal Corrugated Tile
 - Grass Snake Sighting



NOTES

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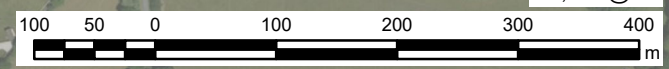
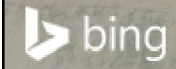
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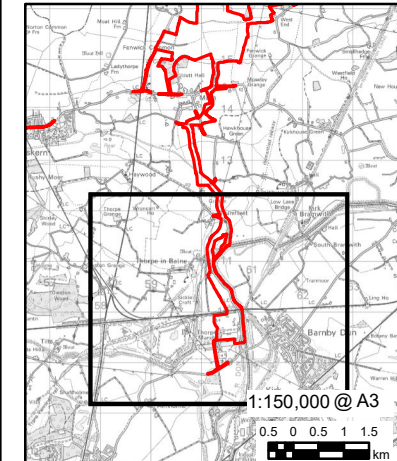
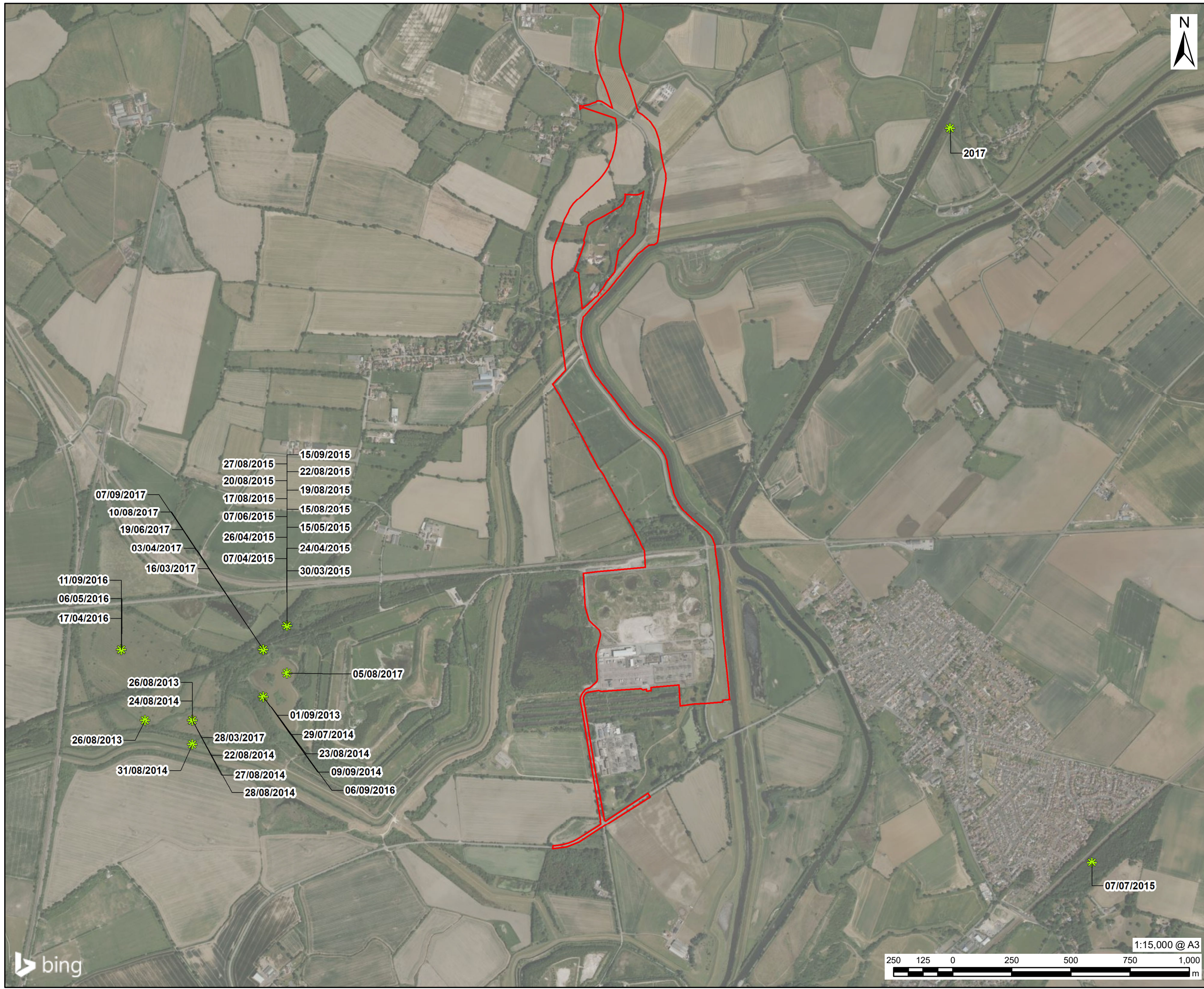
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FIGURE TITLE
Reptile Field Records

FIGURE NUMBER
Figure 1



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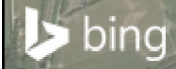
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FIGURE TITLE
Reptile Desk Study Records

FIGURE NUMBER
Figure 2



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Annex B Photos



Photo 1 – Male adult grass snake, freely basking



Photo 2 - Grass snake basking under refugia.

Annex C Survey Dates and Weather Conditions

Visit Number	Date and Time	Temperature Range (°C)	Cloud Cover (%)	Precipitation
1	30 May 2023 08:00-10:15	12-13	100	Dry
2	2 June 2023 08:45-11:15	13-16	25	Dry
3	6 June 2023 08:55-11:45	12-14	100	Dry
4	5 September 2023 08:45-11:45	16-21	0	Dry
5	8 September 2023 08:45-11:45	16-17	100	Dry
6	18 September 2023 09:15-12:15	16-19	60	Dry
7	25 September 2023 09:15-12:15	16-23	20	Dry

An aerial photograph of a vast solar farm at sunset. The rows of solar panels stretch across the landscape, creating a strong sense of perspective. The sky is a mix of orange, yellow, and dark blue, with the sun low on the horizon, casting long shadows and a warm glow over the entire scene.

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