

Octagon, Millom

Ecology Summary Report 2020

As If By Magic Ltd

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Quality Information

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1. Introduction

1.1 Overview of the Project

Cestria Partnership (on behalf of As if By Magic Ltd (AIBM)) received planning permission for a sanctuary/retreat development at the former Ironworks site on Devonshire Road in Millom (approved 7th June 2018), henceforward known as the Project.

During 2019, the Project underwent a re-design, which requires a re-submission to the Local Planning Authority (LPA), Copeland Borough Council, for planning approval. The sanctuary/retreat will now comprise the Octagon building, residential rotundas and retreats, vardo wagons and airstreams, a communal kitchen and toilet/shower facilities (originally part of the Octagon) and a car park off-site to the east of the main site, the re-development of the Millway building to include a restaurant, a new warehouse, new sculptures, updated landscaping and additional car parking facilities located to the east of the main site and on the main site itself (see Appendix A which shows the new design).

The key changes in terms of the development itself, from the original permitted development, are as follows:

- the residential property (originally to be built on the main site) has been removed from the design;
- there is a smaller footprint for the Octagon;
- re-development of the existing Millway building;
- a new community assembly structure on the main site;
- a new warehouse facility proposed to the east of the site (beyond the car park);
- the original car park area has been extended to include all of the field to the east; and
- a small number of parking spaces are now proposed within the site.

Appendix A shows the updated design and see Appendix B for the original, permitted design.

The site is located adjacent to the Ironworks Local Nature Reserve (LNR) and falls within the Duddon Estuary Site of Special Scientific Interest (SSSI). In addition, a small area of the site falls within the Duddon Estuary Special Protection Area (SPA) and Ramsar Site designated for its international bird populations. Given the site's location and sensitive designation, design measures have been a key tool in reducing the potential for environmental effects as a result of the Project. For example, the creation of a wetland habitat and appropriate landscaping will ensure this proposal includes enhancement and benefits to the biodiversity value of the site and create a link to the adjacent nature reserve.

Planning Conditions associated with the consented planning permission were set by Copeland Borough Council (Planning Reference: 4/16/2340/0F1) and contain elements associated with ensuring minimising impact on environmental and ecological receptors as follows:

- Condition 2: Development will be carried out in accordance with:
 - Extended Phase 1 Habitat Report¹ (update October 2015);
 - Habitat Management Plan² (June 2016); and
 - Phase 1 Habitat Map (2018, see Figure 1).
- Condition 5: Completion of a Natterjack Toad *Epidalea calamita* (NJT) Mitigation Plan and Method Statement prior to development commencing.
- Condition 6: Completion of a Construction Environmental Management Plan (CEMP) prior to development commencing. Includes the need to detail measures to ensure minimal impact on protected sites (SPA and SSSI) during construction.

¹ White Young Green (2015). Extended Phase 1 Habitat Report, Devonshire Road, Millom. Sally Field.

² White Young Green (2016). Habitat Management Plan, Devonshire Road, Millom. Sally Field.

- Condition 16: Ensure no surfacing of the footpath between main site and the car park, to ensure protection of Duddon Estuary SSSI.
- Condition 17: Ensure Implementation of mitigation measures detailed in Section 6 of the Assessment of Likely Significant Effects (March 2017³) and Section 7 of the Revised Assessment of Likely Significant Effects (May 2018).
- Condition 18: Surface drainage plans to ensure no impact on Natterjack Toads (includes provision not to use drainage grids).
- Condition 21: Ensure lighting scheme does not impact on ecological interests.

Various elements were carried out associated with Condition compliance and discharge were carried out in 2018 as follows:

- In August, September and October of 2018 the site was cleared of areas of scrub vegetation to begin enabling works towards site development. This was carried out in compliance with Condition 2, which included a reptile/amphibian trapping and moving exercise and clearance works were supervised by an ecologist.
- NJT mitigation plan and method statement (AECOM 2018⁴) as approved by the LPA, discharging Condition 5;
- CEMP (AECOM 2018⁵) as approved by the LPA, discharging Condition 6.

An Ecology Progress report was submitted to AIBM in 2019 detailing planning condition compliance and the survey and clearance works carried out during 2018, which is not repeated here (see Appendix C).

This short report details the ongoing ecological/environmental requirements, which remain relevant to the Project and subsequent planning approvals; in addition, new elements of the Project, that may require further conditions in relation to the new planning submission, are discussed.

2. Previous Planning Conditions

Condition 2 remains a live and ongoing feature of the Project and should remain as a Planning Condition of the Project. In addition, the new planning submission should be compliant with the approved NJT mitigation plan and method statement (Condition 5) and CEMP (Condition 6).

Further, Conditions 16, 17, 18 and 21 remain relevant to the re-designed Project and should remain as conditions of a new planning permission.

3. Update design and surveys for 2020 submission

3.1 Main retreat site and car park (area of consented development)

3.1.1 Design

There have been changes to the layout and structures to the design on the main site during 2019 and 2020. A key element is that there is no longer a residential property associated with the development.

Compared to the previous development footprint, the Octagon itself has a smaller footprint but buildings such as a site kitchen and toilet/shower facilities have been moved or added. Whilst the actual retreat residential elements (Vardo wagons, rotunda's, airstreams etc.) have been, to some extent, relocated compared to the approved design, they remain similar in terms of extent. The eastern car park area has been extended to include the whole of the field (see below).

³ Gibson, L. Consulting (2017) Duddon Estuary SPA, Morecambe Bay and Duddon Estuary pSPA and Morecambe Bay SAC Assessment of Likely Significant Effect (ALSE) (Regulation 61) for The Old Iron Works, Devonshire Road, Millom.

⁴ AECOM (2018). Natterjack Toad Mitigation Plan, Devonshire Road, Millom. As if By Magic Ltd.

⁵ AECOM (2018). Construction Environmental Management Plan, Octagon, Millom. As If By Magic Ltd.

Additions to the main site design compared to the consented scheme include informal footpaths across the site, several sculptures/sensory experiences, three stone circles, small car parking spaces on the main site and a new pond in the eastern part of the main site.

3.1.2 Surveys and Reports

The Phase 1 survey and reptile clearance work carried out in 2018 remain relevant to this proposed development re-design. Additional information such as desk study data were updated in 2019 (as part of a warehouse extension proposal⁶ (separate planning submission) and the Millway re-development⁷ (see below)). It is also considered that the findings and detail within the habitat management plan (2016) also remains relevant to the re-design as the site and surroundings have not significantly changed and the 2018 update surveys confirmed the details within this plan.

The main retreat site remains similar in habitat to the previous consent (scrub areas have been cut back and the retreat site is now more open) and no significant changes to habitat type and extent have occurred since the 2018 survey.

The reptile/amphibian trapping process carried out in 2018 of the main site and car park caught and moved 7 common lizards *Zootoca vivipara*, 12 common toads *Bufo bufo*, 2 smooth newts *Lissotriton vulgaris* and 4 frogs *Rana temporaria*. A section of the site remains fenced (in good condition) with amphibian/reptile fencing and it is considered that this area is likely to remain clear of amphibians and reptiles as along with the fencing it has been kept unsuitable (via cutting of vegetation).

3.1.3 Assessment of Changes/Additions

It is considered that the proposed re-design does not represent any significant additional impacts compared to the consented scheme either on site or to the wider nature reserves (LNR, SSSI, SPA or Ramsar sites) and no further surveys are required at this point.

The new design poses no impact to the SSSI, SPA or Ramsar sites as it remains in keeping with the original consented design and no qualifying features are present on the development site.

The additions to the design (communal space, sculptures, footpaths etc.) do not pose significant barriers or impact to use of the site by local fauna and remain as part of the open nature of the site; any fauna such as NJT can move around these without issue and the connectivity with the nature reserve is maintained, to allow movement of species such as NJT to the site (the perimeter fence with associated boards that are present at the moment to stop amphibians moving in to the site will be removed post development). In addition, an additional enhanced wetland area with elements to encourage NJT breeding has been included in the new design.

It is not proposed to carry out further surveys or another reptile/amphibian clearance programme for the re-designed development, as enough information is available to ensure ecological receptors are fully considered and mitigated for. To manage potential impacts on birds, reptiles and amphibians, site searches prior to and during construction, site supervision and a clerk of works will be provided for as previously proposed in the habitat management plan.

3.2 Millway Re-development, additional car park area and warehouse (not part of original consent)

3.2.1 Design

New elements of the overall design, which extends the development area to the east (off the main retreat site), includes the re-development of Millway with new office space and a restaurant (previously on the main retreat site), the extended car parking area and a proposed new warehouse on the eastern boundary of the wider development area (see IDK 2020⁸). None of these elements are within the SSSI or SPA boundary.

⁶ AECOM (2019). Preliminary Ecological Appraisal, Millway Warehouse Extension, Millom. As if By Magic Ltd

⁷ WYG (2019). Bat Survey Report, Millway, Millom. As if By Magic.

⁸ IDK_200205 Ironworks retreat design update

3.2.2 Surveys carried out in 2018 and 2019

Further surveys have been carried out to inform planning submissions for the additional development proposals for the wider Millway development as follows:

- Phase 1 survey of car park extension area and new warehouse location in summer 2018 (see Figure 1) as part of the wider site survey;
- Amphibian and reptile survey of new warehouse location in autumn 2018;
- Bat surveys of Millway in summer 2019.

These surveys remain relevant to this planning submission and are summarised as required below. In addition, the desk study carried out in 2019 for the warehouse extension scheme⁹ (separate planning submission) on the Millway site is relevant to the additional works.

New Warehouse Location

The desk study for the warehouse extension identified many species local to the site, which are not repeated here. The main species highlighted are shown in Table 1.

Table 1: Protected and notable species relevant or potentially relevant to the proposed scheme

Species	Legally Protected Species	Species of Principal Importance	Other Notable Species	Present on Site	Present/Potentially Present in Wider Zone of Influence	Supporting Comments
Great crested newts (<i>Triturus cristatus</i>)	✓	✓	-	?	-	There was one record of this species, which was approximately 2.4 km from the Site boundary.
Natterjack Toad	✓	✓	-	✓	✓	There were many records for this species. The nearest record is on the Iron Works Nature Reserve adjacent to the Site, in the ponds, approximately 130 m from the nearest point of the development area to the north.
Common Lizard	✓	✓	-	✓	✓	The desk study noted that this species is local to the Site recorded in the Iron Works nature reserve local to the Site.
Bats	✓	✓	-	?	?	The desk study returned 9 bat records within 2 km of the site. Species included Pipistrelle species (<i>Pipistrellus</i> sp.) and noctule (<i>Nyctalus noctula</i>). A pipistrelle roost is known 1.8 km from the Site. In addition, a pipistrelle roost is known in the Millway building.
Breeding birds	✓	✓	-	?	?	The desk study revealed the presence of many birds, amongst others, Oystercatcher (<i>Haematopus ostralegus</i>), Lapwing (<i>Vanellus vanellus</i>), skylark and ringed plover (<i>Charadrius hiaticula</i>) within 2 km of the Site.

Key to symbols: ✓ = yes, X = no, ? = possibly, see Supporting Comments for further rationale.

Species present on site are those for which recent direct observation or field signs confirmed presence. Species which are possibly present are those for which there is potentially suitable habitat based on the results of the desk study records.

Legally protected species are those listed under Schedules 1,5 and 8 of the Wildlife and Countryside Act 1981 (as amended) and Schedules 2 and 4 of the Conservation of Habitat & Species Regulations 2010 (as amended).

Species of Primary Importance are those listed under Section 41 of the NERC Act. Planning Authorities have a legal duty under Section 40 of the same Act to consider such species when determining planning applications.

⁹ AECOM (2019). Preliminary Ecological Appraisal, Millway Warehouse Extension, Millom. As if By Magic Ltd

Other notable species include native species of conservation concern listed in the LBAP (except species that are also of Principal Importance), those that are Nationally Rare, Scarce or Red Data List and non-native controlled weed species listed under Schedule 9 of the Wildlife and Countryside Act 1981 (as amended).

The main habitat present in the location of the new warehouse is moderately diverse grassland dominated by grass species, with areas of open ground. There are also some small areas of bramble *Rubus fruticosus* agg. along with bricks and rubble along the northern boundary. Species found in the grassland include yarrow *Achillea millefolium*, false oat-grass *Arrhenatherum elatius*, daisy *Bellis perennis*, common knapweed *Centaurea nigra*, common mouse-ear *Cerastium fontanum*, rosebay willowherb *Chamaenerion angustifolium*, creeping thistle *Cirsium arvense*, smooth hawk's-bear *Crepis capillaris* and cock's-foot *Dactylis glomerata* (see Appendix D for a full species list of neutral grassland found on the proposed warehouse area and in the grassland to the north outside of the development footprint). In addition, dingy skipper *Erynnis tages* and common blue *Polyommatus icarus* butterflies were seen on site during the survey. Further Japanese knotweed *Reynoutria japonica* was found on the wider site.

The full results of the amphibian and reptile survey carried out during the autumn of 2018 are found in Appendix C. A summary of the results are shown in Table 2.

Table 2 Summary results of reptile clearance carried out during September 2018 over 20 clearance days during suitable conditions

Species	Total number seen during the survey	Peak count in one visit
Common Lizard <i>Zootoca vivipara</i>	4 (adults)	1
Common Toad <i>Bufo bufo</i>	12 (adults)	2
Smooth Newt <i>Lissotriton vulgaris</i>	46 (adults and juveniles)	7
Natterjack toad <i>Epidalea calamita</i>	1 (juvenile)	1

In general, and in terms of habitats no significant issues are foreseen as the more sensitive species associated with area (northern marsh orchid *Dactylorhiza purpurella* not present within the development area). In addition, the loss of the small area of grass and tall ruderals would not impact on the use of the wider area and nature reserve by butterfly species such as dingy skipper and small blue.

However, consideration as to Japanese knotweed will be required and it is recommended that a further survey of the development area is undertaken to map in detail the extent of this species on site. A management plan and method statement will then be required to ensure this species is managed in-line with legislation.

It is also likely there will be a requirement to clear amphibian and reptiles from the site prior to works commencing, which would involve fencing the site and a clearance programme like that carried out on the main site.

A view on whether a European Protected Species Mitigation Licence (EPSML) would be needed to ensure no disturbance/harm/death to NJT will need to be taken and discussions should be held with Natural England as required. Only one juvenile was found during the 20 visits, so there is only very low use of the site by this species, but it was noted as present nonetheless. As a minimum, site clearance will need an associated method assessment completed to ensure reasonable avoidance measures are implemented, which will include for all work being supervised following a clearance programme and an ecological clerk of works should be present on site until it is made unsuitable for use by amphibian and reptile species.

It should be noted that NJT are present and breeding in ponds around 130m from the new warehouse location, although in general the habitat between the site and the ponds is not ideal for NJT movement being generally dense vegetation. This said, obviously NJT have found their way to the warehouse location.

Car Park Extension

The proposed extension to the permitted car park is located to the east within the same field.

The main habitat within the additional proposed car parking area is species poor semi-improved grassland with some tall ruderals and small areas of scrub to the north (along the walls of the industrial building adjoining the site). There is a small stand of Japanese knotweed near the northern boundary of the extension area (see Figure 1).

The grassland area is low in species diversity and no constraints are foreseen in terms of habitat quality. No nesting birds have been seen previously utilising the site; common lizards may be present in small numbers during the summer months (no hibernating habitat was noted).

As noted for the wider consented car park, to manage potential impacts on birds, reptiles and amphibians, site searches prior to and during construction, site supervision and a clerk of works will be provided for as previously proposed in the habitat management plan.

The key constraint is the presence of the invasive non-native species Japanese knotweed and a plan and method statement will then be required to ensure this species is managed in-line with legislation.

Millway Re-development

A bat assessment and further surveys have been carried out to inform the planning submission for the additional development proposals on Millway.

The additional development proposal is focused on two connected buildings, with no wider impacts. A bat assessment and further bat surveys were carried in 2019. The findings and discussion are found in the report completed by White Young Green in 2019¹⁰.

The proposals are to convert the existing workshop (B1), to provide bunkhouse type accommodation, self-catering suites, function space and a café. The single storey extension (B2) containing offices, kitchen and stores will be demolished.

The buildings were assessed to have moderate and low suitability respectively for spring/summer roosting bats due to external potential roost features (namely gaps in the brickwork and lifted slates). The buildings were not considered to offer potential for use by hibernating bats.

Two active common pipistrelle *Pipistrellus pipistrellus* day roosts were identified within B2 during the surveys:

The proposals to demolish B2 will destroy the identified common pipistrelle day roosts; there is a risk of harm/death to low number of common pipistrelles during the demolition works.

The proposed development will be contained within the footprint of existing buildings / hardstanding; therefore, it is considered that no significant foraging / commuting bat routes will be lost as part of the proposed works.

As the proposed works will destroy the common pipistrelle day roosts that were identified within B2, an EPSML or low impact mitigation licence (CL21) for bats must be obtained from Natural England (NE) prior to commencement of development works.

4. Summary

Planning Permission for the Octagon and associated development was granted in June 2018. Pre-construction works associated with Planning Condition discharge and site preparation were started in August 2018. The following elements associated with ecology and environment in relation to the previous consented development have now been completed:

- NJT Mitigation Plan (Condition 5).
- CEMP (Condition 6).
- Contact and discussion with regulators (Condition 2).
- Reptile trapping (Condition 2).
- Supervision of site clearance works and fencing, including toolbox talks (Condition 2) and provision of a Clerk of Works for the construction phase.

These remain relevant to the ongoing works and the updated project design to be submitted in the new planning proposal.

Other works, not part of the original submission, have been considered and the key requirements are as follows:

¹⁰ WYG (2019). Bat Survey Report, Millway, Millom. As if By Magic.

- New Warehouse location:
 - Japanese knotweed survey and method statement as required completed prior to works and to inform site clearance.
 - Reptile and amphibian trapping and clearance of site prior to works.
 - Site clearance supervision and the presence of a clerk of works is recommended.
 - Discussion and agreement with Natural England as to the need for an EPSML or low impact licence for NJT.
- Car park extension:
 - Japanese knotweed survey and method statement completed prior to works and to inform site clearance.
 - Site clearance supervision and the presence of a clerk of works is recommended.
- Millway re-development:
 - EPSML/low impact mitigation licence obtained to ensure no harm/killing of bats during demolition works.

Finalisation of other elements of the Project such as the surface water drainage design and the lighting design will be carried out as conditioned elements of any new planning approval and will require ecological input to these plans.

Further supervision and ecology input will be required during construction in relation to Condition 2.

Figure 1 Site Phase 1 Habitat Map

Appendix A Updated Design 2020

Appendix B Original Permitted Design

Appendix C Ecology Progress Report January 2019

Appendix D New Warehouse Site – Grassland Species List

Scientific name	Common name
<i>Acer pseudoplatanus</i>	Sycamore
<i>Achillea millefolium</i>	Yarrow
<i>Arrhenatherum elatius</i>	False oat-grass
<i>Bellis perennis</i>	Daisy
<i>Centaurea nigra</i>	Common knapweed
<i>Cerastium fontanum</i>	Common mouse-ear
<i>Chamerion angustifolium</i>	Rosebay willowherb
<i>Cirsium arvense</i>	Creeping thistle
<i>Crepis capillaris</i>	Smooth hawk's-beard
<i>Dactylis glomerata</i>	Cock's-foot
<i>Dactylorhiza purpurella</i>	Northern marsh-orchid
<i>Daucus carota</i>	Carrot
<i>Epilobium hirsutum</i>	Great willowherb
<i>Equisetum arvense</i>	Field horsetail
<i>Fallopia japonica</i>	Japanese knotweed
<i>Festuca rubra</i> agg.	Red fescue agg
<i>Holcus lanatus</i>	Yorkshire-fog
<i>Lathyrus pratensis</i>	Meadow vetchling
<i>Linum catharticum</i>	Fairy flax
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil
<i>Persicaria amphibia</i>	Amphibious bistort
<i>Plantago lanceolata</i>	Ribwort plantain
<i>Plantago major</i>	Greater plantain
<i>Poa annua</i>	Annual meadow-grass
<i>Poa trivialis</i>	Rough meadow-grass
<i>Potentilla sterilis</i>	Barren strawberry
<i>Rubus fruticosus</i> agg.	Blackberry
<i>Salix</i> sp.	Willow sp.
<i>Trifolium pratense</i>	Red clover

Appendix E New Warehouse Site: Reptile/Amphibian Survey Results (2018)

Survey	Date	Conditions	Comments	Common Lizard	Slow worm	NJT	Smooth Newt	Common Toad
Visit 1	9/10/2018	Survey: Temp 14°C, cloudy but dry, light wind. Rain later in day and through night (max 16°C, min 12°C). Previous day wet and windy max temp 15°C, min temp 13°C.	Common lizard and smooth newts seen on north side of site	1	0	0	3	0
Visit 2	9/12/2018	Survey: 14°C, Sunny (Max 15°C, min 14°C). Previous day there was clear with light rain later in day and heavy rain through night (max 15°C, min 12°C).	Common toad to the west of the site and newts on north and south edges	0	0	0	4	1
Visit 3	9/13/2018	Survey: 14°C, light cloud and dry (Max 15°C, min 14°C). Previous day there was sunny and dry in day and dry at night (max 15°C, min 14°C).	Common lizard and common toad seen on north side of site	1	0	0	0	2
Visit 4	9/15/2018	Survey: 14°C, light cloud and dry (Max 15°C, min 14°C). During the morning there was rain and it was dry with sunshine in the afternoon. Previous day there was heavy rain during the day (max 14°C, min 11°C).	Common toad to the west of the site and newts on north and south edges	0	0	0	5	1
Visit 5	9/16/2018	Survey: 17°C, light cloud, sun and dry (Max 18°C, min 14°C). The day was dry, cloudy with sunshine in the afternoon. Previous day there was rain in the morning dry with sun in the afternoon (max 15°C, min 14°C).	Common lizard and toads seen on north of the site; the smooth newts seen on north and south side of site	1	0	0	3	2
Visit 6	9/17/2018	Survey: 16°C, light cloud, with occasional sun and dry (Max 18°C, min 15°C). The day was dry but cloudy generally. Previous day there was dry with sun in the afternoon (max 18°C, min 14°C).	Smooth newts seen on north side of site	0	0	0	2	0
Visit 7	9/19/2018	Survey: 16°C, light cloud, with occasional sun and dry (Max 17°C, min 12°C) but quite windy. There was light rain in the morning and early afternoon, later was dry with sunny outbreaks. Previous day rain in the morning and dry with sun and cloud in the afternoon (Max 17°C, min 14°C).	Smooth newts seen on north/central side of site	0	0	0	3	0
Visit 8	9/20/2018	Survey: 15°C, light cloud, with occasional sun and dry (Max 16°C, min 8°C). It was dry in the morning and early afternoon, later was heavy rain. Previous day squally rain and wind in the morning and dry with sun and cloud in the afternoon (Max 17°C, min 12°C).	One juvenile natterjack toad on north side of site; smooth newts seen on north, south and central areas	0	0	1	7	0
Visit 9	9/22/2018	Survey: 12°C, light cloud, dry and occasional sun (Max 13°C, min 8°C). Previous day there was cloud, with regular heavy showers rain and occasional sun (Max 13°C, min 9°C). Heavy showers persisted through the day and into the early evening.	Smooth newts to south and central areas	0	0	0	4	0
Visit 10	9/24/2018	Survey: 13°C, light cloud and scattered showers and then dry and sunny in the afternoon (Max 14°C, min 9°C). Previous day was dry and sunny in the morning then light rain early and mid afternoon and then dry and occasional sun (Max 13°C, min 7°C)	Smooth newts seen on north, south and central areas	0	0	0	7	0
Visit 11	9/26/2018	Survey: 14°C, overcast and dry (Max 15°C, min 14°C). Previous day was light cloud and dry with sunny spells (Max 14°C, min 13°C)	Smooth newts seen on north and central areas	0	0	0	5	0

Survey	Date	Conditions	Comments	Common Lizard	Slow worm	NJT	Smooth Newt	Common Toad
Visit 12	9/27/2018	Survey: 15°C, light cloud and dry with sunny outbreaks and rain later in the evening (Max 15°C, min 6°C). Previous day was overcast and dry (Max 15°C, min 14°C)	one common toad only	0	0	0	0	1
Visit 13	9/30/2018	Survey: 13°C, cloudy with occasional sun. In general, the day was a mix of cloud with sunny periods (Max 13°C, min 9°C). Previous day was a mix of light cloud and sunny periods (Max 13°C, min 10°C)	One common toad and two smooth newts	0	0	0	2	1
Visit 14	10/1/2018	Survey: 11°C, sunny and clear. In general, the day was sunny in the morning with light cloud more prevalent as the day progressed (Max 12°C, min 8°C). Previous day was a mix of cloud with sunny periods (Max 13°C, min 9°C)	One common toad central area	0	0	0	0	1
Visit 15	10/4/2018	Survey: 13°C, cloudy with occasional sun. In general, the day was a mix of cloud with sunny periods in the morning and then rain in the afternoon (Max 15°C, min 9°C). Previous day was overcast (Max 14°C, min 12°C)	One common toad and one smooth newt to south of site	0	0	0	1	1
Visit 16	10/8/2018	Survey: 14°C, cloudy with sunny outbreaks. In general, the day was a mix of cloud with sunny periods (Max 15°C, min 14°C). Previous day was overcast with rain later (Max 14°C, min 12°C)	Nothing recorded	0	0	0	0	0
Visit 17	10/9/2018	Survey: 15°C, overcast with a light wind (Max 16°C, min 12°C). In general, the previous day was a mix of cloud with sunny periods (Max 15°C, min 14°C).	One common toad	0	0	0	0	1
Visit 18	10/17/2018	Survey: 13°C, overcast with a light wind and occasional sun (Max 13°C, min 7°C). In general, the previous day was a mix of cloud and rain with sunny periods (Max 14°C, min 11°C).	One lizard seen to the north of the site	1	0	0	0	0
Visit 19	10/19/2018	Survey: 12°C, light cloud and occasional sun (Max 13°C, min 11°C). In general, the previous day was sunny and clear (Max 12°C, min 8°C).	Nothing recorded	0	0	0	0	0
Visit 20	10/21/2018	Survey: 14°C, light cloud with showers and occasional sun (Max 15°C, min 9°C). In general, the previous day was overcast and wet (Max 14°C, min 14°C).	One common toad to north of site	0	0	0	0	1

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