

# A358 Taunton to Southfields Dualling A358 Great Crested Newt Technical Report PCF STAGE 2

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## **Executive summary**

The proposed A358 Taunton to Southfields Dualling scheme (hereafter referred to as 'the scheme') would provide a dual carriageway along the length of the A358 between Taunton and Ilminster in Somerset, connecting the A303 at Ilminster to the M5 motorway to the north. The scheme would include grade separated junctions and, with the purpose of providing a high-quality free flow journey for those using the route, the removal of at-grade junctions and direct accesses.

Great crested newts *Triturus cristatus* (GCN) are afforded full protection under the *Conservation of Habitats and Species Regulations 2017 (as amended)* and the *Wildlife and Countryside Act 1981* (as amended). GCN are widely distributed throughout the lowland areas of Great Britain but are absent from Ireland. Their populations have declined over the last century across Europe, including Britain, mainly as a result of pond loss and deterioration.

Mott MacDonald Sweco Joint Venture have undertaken GCN surveys in the 2017, 2018, 2019 and 2020 survey seasons to assess the presence or likely absence of this European protected species from within the Zone of Influence of the scheme. Surveys in 2017 included Habitat Suitability Index (HSI) surveys, to assess suitability of waterbodies to support GCN, population surveys and eDNA surveys. Surveys in 2018, 2019 and 2020 comprised HSI surveys and eDNA surveys.

The surveys identified the presence of GCN within seven ponds within 400m of the Pink Modified option. Pond 54 is located 23m from the construction footprint, population surveys identified a medium population, with a peak count of 13 GCN. Pond 40a is 397m from the construction footprint, population surveys have identified a small population, with a peak count of four GCN. Ponds 67, 115a, 116, 117 and 120a have had eDNA surveys which have returned a positive result for GCN. Further population surveys will be required in 2021 to estimate the population size.

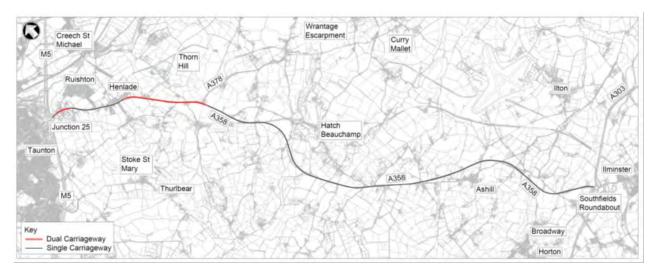


## 1. Background

1.1.1. The A303 / A358 corridor is a vital connection between the south-west, London and the south-east. Due to the population density, employment opportunities, urban concentrations and tourist attraction of the south-west the A303 / A30 / A358 corridor experiences a wide range of traffic flows which lead directly to severe and regular instances of congestion and delay.

1.1.2. The A303 / A30 is part of the strategic road network (SRN) and together with the A358 forms a key strategic link between the South West Peninsular (SWP) and the rest of the south, south-east and London. Although it is dualled over much of its length there are several unimproved single carriageway sections between the M3 motorway at Basingstoke and the M5 at Taunton and Exeter which cause congestion, especially during summer weekends.

1.1.3. The existing A358 between Taunton and Southfields Roundabout is predominantly single carriageway with a short (1.1 miles) dual carriageway section in the vicinity of Thornfalcon and a 3 lane (2+1) section (0.3 miles) immediately to the south of that. It has many side roads and private accesses directly onto it. The national speed limit applies between Southfields and Henlade where it reduces to 30mph; the speed limit increases to 40mph north of Henlade on the approach to M5 junction 25. A plan showing the existing route between Taunton and Southfields is provided in Figure 1-1.



#### Figure 1-1 : A358 Taunton to Southfields existing road layout

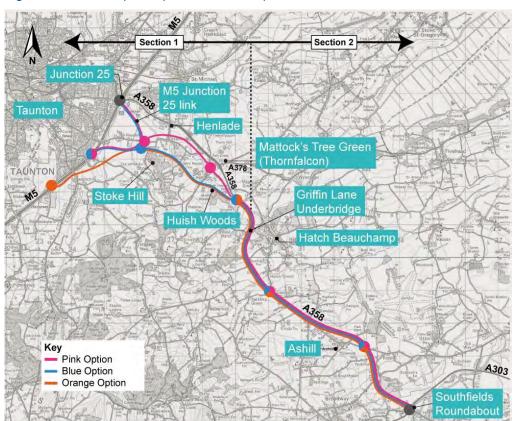
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1.1.4. Three potential route options were chosen, the Orange, Pink and Blue. At the public consultation in 2017 only the Orange option was presented. A further consultation was held in 2018 in which all three options were presented. The three route options presented at the 2018 consultation are described below:

- The Pink option commences at a new junction on the M5 approximately 1.2 miles (2 kilometres) south of junction 25. South-facing slip roads from the M5 would combine to become the new dual carriageway, which runs eastwards and north of Stoke Hill. Here a limited-movement junction is proposed with east-facing slip road connections to the new road which would allow traffic to travel between the new A358 and junction 25 via a new 0.9 mile (1.5 kilometre) dual carriageway link past the planned Nexus 25 site. The proposed route would then follow the existing A358 to Southfields Roundabout enabling the existing road to be upgraded from a single to a dual carriageway. The total length of the Pink option is 9 miles (14.6 kilometres), plus the 0.9 miles (1.5 kilometres) spur leading to M5 junction 25.
- The Blue option commences at the M5 approximately 1.2 miles (2 kilometres) south of junction 25 and runs eastwards on a more southerly alignment. At Stoke Hill a junction is proposed similar to that with the Pink option which would allow traffic to travel between the road and junction 25 via a new 1.2 miles (2 kilometres) dual carriageway link past the planned Nexus 25 site. The road would then continue in a south-easterly direction to West Hatch Lane, where an all-movement, grade separated junction is proposed to allow access to Hatch Beauchamp, Henlade and surrounding communities, and the A378. This option is identical to the Pink option from this point onwards to Southfields Roundabout. The total length of the Blue option is 8.7 miles (14.1 kilometres), plus the 1.2 miles (2 kilometres) spur leading to M5 junction 25.
- The **Orange option** commences at the M5 approximately 2.1 miles (3.5 kilometres) south of junction 25 at a proposed new two-bridge roundabout which would form a new all-movements junction between the new A358 and the motorway. The proposed road initially takes a north-easterly course towards Henlade before arcing around the north of Stoke Hill. In contrast to the Blue option, there is no link to junction 25 from this location, and therefore no junction at Stoke Hill. This option is identical to the Blue option from this point onwards. The total length of the Orange option is 9.5 miles (15.3 kilometres).





#### Figure 1-2 : Route options presented at the public consultations

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## 1.2. Scheme proposal

1.2.1. The proposed scheme would provide a dual carriageway along the length of the A358 between Taunton and Ilminster in Somerset, connecting the A303 at Ilminster to the M5 motorway to the north. The scheme would include grade separated junctions with the purpose of providing a high-quality free flow journey for those using the route, with the removal of at-grade junctions and direct accesses.

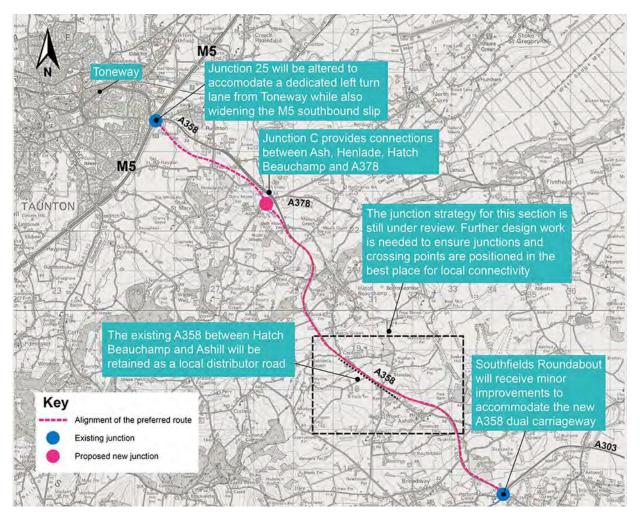
1.2.2. The Preferred Route Announcement (PRA) on the 13 June 2019 identified the Pink Modified option as the preferred route option (PRO), (refer to the Scheme Appraisal Report (SAR) for details of the development of the Pink option to the Pink Modified option).

1.2.3. The Pink Modified option would comprise online widening between West Hatch Lane and Southfields Roundabout. This option would involve the re-use of a large amount of the existing A358 corridor, and between West Hatch Lane and Henlade the route would pass close to the A378 junction at Mattocks Tree Green. This would enable direct connections between the proposed road and the A378. The Pink Modified option retains



the bypass at Henlade, connects with the A378, and connects directly to junction 25 on the M5. A plan showing the Pink Modified option route is shown in Figure 1-3 below.

1.2.4. The scheme would provide a dual carriageway along the length of the A358 between Taunton and Ilminster in Somerset, connecting the A303 at Ilminster to the M5 motorway to the north. The scheme would include grade separated junctions and, with the purpose of providing a high-quality free flow journey for those using the route, the removal of at-grade junctions and direct accesses.



#### Figure 1-3 : Pink Modified option

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## 1.3. Scope of report

#### 1.3.1. The objectives of the report are:

• to present the methodology used and identify any constraints during the great crested newt (GCN) surveys within 400m of the Pink Modified option



- to present the results of the Habitat Suitability Index (HSI) assessment for all ponds and other potentially suitable waterbodies
- to present the results of the eDNA and presence / absence and population assessment surveys
- to present the relative abundance of the GCN populations

1.3.2. The report does not provide any detailed impact assessment or recommendations for mitigation as this aspect will be developed by the RDP DIP supplier during PCF Stage 3 of the scheme.

1.3.3. Guidance on ecological assessment recommends that all ecological features that occur within a zone of influence (ZoI) for a proposed scheme are investigated (Chartered Institute of Ecology and Environmental Management (CIEEM), 2016)<sup>1</sup>. In 2017, all ponds within 500m of the Pink Modified option scheme footprint were assessed for great creased newt suitability. This buffer was reduced to 400m in 2019 (in agreement with Natural England) as a proportional approach.

## 1.4. Legislation

1.4.1. GCN are afforded full protection under the *Conservation of Habitats and Species Regulations 2017* (as amended) and the *Wildlife and Countryside Act 1981* (as amended).

1.4.2. Under Regulation 43 of the *Conservation of Habitats and Species Regulations* it is illegal to:

- Deliberately capture, injure or kill a GCN
- Deliberately disturb a GCN (in particular, disturbance which is likely to impair their ability to survive, to breed or reproduce, or to rear or nurture their young, to hibernate or migrate or to affect significantly the local distribution or abundance of the species to which they belong)
- Deliberately take or destroy the eggs of GCN
- Damage or destroy a breeding site or resting place of GCN

1.4.3. Under Schedule 5 of the *Wildlife and Countryside Act 1981* it is illegal to:

- Intentionally or deliberately kill, injure or take any GCN
- Possess or control any live or dead specimen or anything derived from GCN
- Intentionally or recklessly damage, destroy or obstruct access to any structure or place used for shelter or protected by GCN
- Intentionally or recklessly disturb GCN whilst they are occupying a structure or place used for that purpose

<sup>&</sup>lt;sup>1</sup> Chartered Institute of Ecology and Environmental Management (2016) Guideline for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater and Costal.



1.4.4. GCN are also listed as an Annex II species of the *EU Habitats Directive*, meaning they meet the criteria for site selection of Special Areas of Conservation to specifically conserve this species. Site selection is based on evidence of a large and robust population of GCN.

## **1.5.** Status of great crested newt at national level

1.5.1. GCN are widely distributed throughout the lowland areas of Great Britain but are absent from Ireland. Their populations have declined over the last century across Europe, including Britain, mainly because of habitat loss and deterioration.

1.5.2. Historically, GCN were listed as a *UK Biodiversity Action Plan* (BAP) species and are now listed as a species of 'principal importance for the conservation of biodiversity in England' under Section 41 of the *Natural Environment and Rural Communities (NERC) Act 2006.* Following the production of *Biodiversity 2020*, the national strategy for England, actions were identified by experts to help in the recovery of populations of the S41 listed species. Actions identified for the recovery of GCN include the following:

- i. Create, restore and manage ponds to provide breeding sites for great crested newts, and manage surrounding terrestrial habitats sympathetically.
- ii. Develop and implement methods and policies to remedy reversible adverse impacts at the population level, notably introduction of fish and invasive plants.
- iii. Develop and implement a surveillance plan to meet data needs at all spatial scales, for all appropriate stakeholders.
- iv. Review land use regulation and propose changes to improve outcomes for great crested newts.

## **1.6.** Status of great crested newt at county level

1.6.1. Although the UK BAP has been superseded, BAPs are still widely used at county level to support *Biodiversity 2020*. GCN are not listed as a species on the *Somerset BAP*, as it is considered that Somerset contains significant populations of GCN. However, ditches and ponds are listed as a *Somerset BAP* habitat, which benefits this species through habitat creation and maintaining habitat connectivity.

## 1.7. Great crested newt ecology

1.7.1. The GCN annual cycle commences on emergence from hibernation. They will move from their hibernation sites between February and April toward breeding ponds. GCN breed, and live during breeding season, in a wide range of natural, semi-natural and man-made aquatic habitats including marshes, reed beds, wet ditches and ponds. They spend the spring and summer moving between water and land to satisfy feeding and shelter needs, as well as to find mates. Most adult newts move away from ponds and into terrestrial habitat between May and July. Suitable terrestrial habitat typically includes



woodland, scrub, hedgerows and less intensively managed grassland. They seek out crevices and holes in the ground to spend the autumn, and regularly emerge to disperse and forage in warmer, wetter conditions. They will hibernate over winter once temperatures regularly fall below 5°C overnight.

1.7.2. GCN are typically known to range up to between 400m and 500m from breeding ponds in search of feeding and hibernation sites. Some GCN have been found to move over considerable distances (up to 1.3 kilometres from breeding sites), however the majority inhabit an area much closer to the pond. The quality of the terrestrial habitat near to breeding ponds is important, as are the lack of barriers to dispersal (such as watercourses or busy roads).

1.7.3. GCN often exist in metapopulations. A metapopulation is a group of associated populations. That is, a metapopulation is made up from newts which breed in, and live around, a cluster of ponds. There will be some interchange of newts between ponds, although most adults consistently return to the same pond to breed. Metapopulations are much less vulnerable to habitat changes than populations based on single breeding ponds<sup>2</sup>.

<sup>&</sup>lt;sup>2</sup> Langton, T.E.S., Beckett, C.L. and Foster, J.P. (2001). Great Crested Newt Conservation Handbook, Froglife, Halesworth.



## 2. Methodology

## 2.1. Desk study

2.1.1. A desk study was undertaken to identify records of great crested newt (GCN) within the study area and up to a distance of 2 kilometres from all three route options. At the time of the desk study and subsequent surveys, there were three scheme options under consideration (Orange option, Blue option and the Pink option). Records were acquired from the Somerset Environmental Records Centre (SERC) in 2016. The results can be found within Appendix A.

2.1.2. Ponds within 500m of the three scheme options were identified using the MAGIC (Multi-agency geographic information for the countryside) online viewer tool (Department for Environment Food and Rural Affairs (Defra), 2017).

## Habitat Suitability Index Assessment

2.1.3. All waterbodies identified within the desk study were assessed for their potential to support GCN using the standardised Habitat Suitability Index (HSI) methodology (Oldham et al, 2000). The HSI is a measure of suitability and incorporates ten indices, all of which are environmental factors known to affect this species.

2.1.4. The results are expressed as an HSI score between 0 and 1, with 0 being unsuitable habitat and 1 representing optimal habitat, as shown in Table 2:1. It is considered that ponds with a higher overall HSI score are more likely to support GCN than those with a lower score. The method is not sufficiently precise to conclude that ponds with a high score will support newts, or that any pond with a low score will not. It is therefore a tool to support, rather than a substitute for, GCN surveys.

HSI Score	HSI Category	Predicted presence
<0.50	Poor	3%
0.50 - 0.59	Below Average	20%
0.60 - 0.69	Average	55%
0.70 – 0.79	Good	79%
>0.80	Excellent	93%

#### Table 2:1 : Habitat Suitability Index scores

Source: Oldham et al (2000)

## 2.2. GCN presence / absence and populations surveys

2.2.1. At the start of the survey season the Development Consent Order (DCO) date was May 2018. Due to this, ponds identified in the early part of 2017 were subject to an initial presence / absence surveys and population surveys, if required.



2.2.2. Ponds given a 'Poor' score (<0.5) by the HSI assessment were generally scoped out of further surveys, however, professional judgement was also used to determine suitability.

2.2.3. Those ponds deemed suitable to support populations of GCN were subject to presence / absence surveys. The surveys were undertaken in accordance with the *Great Crested Newt Mitigation Guidelines (English Nature, 2001)*.

2.2.4. Each survey was undertaken by a Natural England GCN Class Licence holder and assistant between March and mid-June 2017. Initially four visits per pond were completed to assess presence / absence. A further two surveys were completed where GCN were present in order to ascertain a population estimate. At least three survey methods were utilised for each visit. These included:

- i. Bottle trapping: bottle traps are 2 litre plastic bottles with inverted funnels, which are set in the water at approximately 2m intervals all around the pond's edge using canes. They are set in the evening ensuring an air bubble is present and left overnight to allow amphibians to explore and get caught inside. They are removed the next morning after no more than 17 hours.
- ii. Torching: shortly after dusk, the pond is systematically searched from the bank using a high power (100,000 candle power) torch and counts made of any newts present.
- iii. Egg searching: examination of potential egg laying substrate such as marginal vegetation, dead leaves and litter. GCN lay their eggs singularly in folds of substrate and can be identified by their colour and size. Once a confirmed GCN egg is identified (confirming the presence of a breeding pond) no more egg searching is undertaken.
- iv. Netting: Using a long-handled dip-net, GCN can be captured by sampling the area around the pond edge. The edge of the pond is systematically sampled, with at least 15 minutes of netting per 50m of shoreline. Netting is not a suitable indication of population size.
- v. Refuge Search: This was used as an additional method if one of the other three methods could not be used. Refuges such a rocks, logs, moss, and discarded debris were subject to a search. Population size class estimates were calculated according to the Great Crested Newt Mitigation Guidelines (2001). It is the peak adult count per survey visit that is significant, with juveniles not included for population estimates. Although these are very broad classifications, they can inform licensing and mitigation requirements. Table 2:2 summarises its application.



#### Table 2:2 : Population size class estimates

Peak adult count in a single survey visit	Population size class
Maximum counts up to 10	Small
Maximum counts between 11 and 100	Medium
Maximum count >100	Large

### 2.3. eDNA Survey

2.3.1. Towards the end of the 2017 survey season the DCO date changed from May 2018 to September 2019, therefore allowing enough time to undertake eDNA surveys. Therefore, suitable waterbodies from this point on were subject to eDNA surveys.

2.3.2. When GCN inhabit a pond, cells containing their DNA are continually sloughed off into the water. The eDNA survey involves the collection of 20 water samples from around the perimeter of a waterbody, which are then subject to laboratory analysis of the environmental DNA present in the water column to assess presence or absence of GCN.

2.3.3. eDNA test kits were obtained from SureScreen Scientific Ltd in order to collect water samples to enable tests to be carried out of the waterbodies to determine the presence of great crested newt. The methods used for water sample collection and eDNA analysis were those described by Biggs et. al. 2014<sup>3</sup>.

2.3.4. eDNA surveys were undertaken in June 2018, May 2019 and May 2020. Detailed survey dates are provided in Appendix D. Surveys were undertaken by experienced ecologists holding a Natural England GCN Class Licence (Level 1 CL08).

### 2.4. Site status assessment

2.4.1. Following the completion of the surveys an assessment of the status of the site was then made. The importance of the site takes into account the population size class estimate but also several other factors:

- The quality and rarity of the habitat and population
- How connected the population is to the wider area
- The local significance of the population
- The size of the meta-population

<sup>&</sup>lt;sup>3</sup> Biggs J, Ewald N, Valentini A, Gaboriaud C, Griffiths RA, Foster J, Wilkinson J, Arnett A, Williams P and Dunn F (2014). Analytical and methodological development for improved surveillance of the Great Crested Newt. Appendix 5. Technical advice note for field and laboratory sampling of great crested newt (Triturus cristatus) environmental DNA. Freshwater Habitats Trust, Oxford.



### 2.5. Survey constraints

2.5.1. Where GCN were not identified as occupying a pond or pond cluster, this does not guarantee their absence. There is always the risk of GCN being over-looked due to timing of surveys and scarcity of GCN on site.

2.5.2. Estimating population can be fraught with issues due to the detectability of GCN, the complex population dynamics and mobility between ponds amongst other factors. As a result, where licensing is required a maximum estimate is implemented.

2.5.3. Due to programme changes and access permissions being granted at various times during the project, surveys for GCN started in 2017 and continued into 2018, 2019 and 2020.

2.5.4. HSI's and surveys were undertaken on all waterbodies within 500m of the three route options where access allowed in 2017 and 2018. A meeting was held with Natural England in April 2019 to discuss a more proportional approach to surveys, this resulted in the survey buffer being reduced to 400m. In June 2019 the preferred route was announced and the surveys only focused on ponds within 400m of the Pink Modified option.

2.5.5. As a result, waterbodies between 400m and 500m of the Pink Modified option, 53, 63, 77, 79, 125, 142, 143, 144, 151, 165, 166, 151 and ditches 44 and 105, were scoped out.

2.5.6. Waterbodies surveyed that now fall outside the 400m Pink Modified Option buffer are 27, 50, 57, 58 71, 72, 74, 75, 78, 86, 86a, 87, 89, 113, 118, 134, 139, 141, 142, 150 and 154, and ditches 52, 53, 54, 92, 97, 98 and 104. Of these only pond 154 returned a positive eDNA result for GCN.

2.5.7. Waterbodies 60, 60a, 60c and 61, and ditches 59, 60, and 62 have not been subject to a HSI survey as no access has been granted. These surveys will be undertaken in 2021.

2.5.8. Waterbodies identified with positive eDNA samples were due to have population surveys in 2020. However, due to the Covid-19 pandemic these could not be undertaken. As a result, population surveys for ponds 67, 116, 117, 115b and 120a will be undertaken in 2021.

2.5.9. Pond 167 was not subject to surveys, although the HSI score was 0.73 it was deemed unsafe to survey as it was surrounded by steep banks. Although there is good connecting habitat to pond 167 it is somewhat isolated. Pond 147 is within 250m but has been assessed as unsuitable. It is considered unlikely GCN are present within this pond.



2.5.10. Pond 64 was only subject to three surveys; the pond was surrounded by steep sided slippery banks and torching was only possible from a distance. Due to health and safety concerns and torching being ineffective, the survey ceased. Ponds within 250m were considered unsuitable because they were dry or returned a negative eDNA result. It is therefore considered unlikely that pond 64 supports breeding GCN.

2.5.11. Ponds 35 and 84c have not been subject to HSI or further surveys so will need to be assessed in 2021.

2.5.12. All suitable ponds within the 400m buffer of the scheme had HSI surveys completed. Ninety-one waterbodies were deemed unsuitable for HSI surveys as they were either dry, isolated or had flowing water. These ponds being 22, 28, 29, 31, 32, 44, 55, 65,70, 80, 83, 85, 92, 93, 94, 95, 96, 112, 114, 119, 121, 129, 133, 137, 138, 140, 147, 148, 149, 112b, 112c, 131a, 133a, 31a, 55a, 69d, 69e, and 69f, and ditches 38, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 55, 58, 64, 65, 67, 68, 69, 70, 71, 72, 74, 75, 78, 79, 80, 81, 82, 83, 84, 85, 85a, 86, 87, 88, 89, 90, 91, 93, 95, 96, 97, 99, 100, 101,106, 107, 109, 110, 111 and 112. However, this is not considered to be a constraint on the results of the surveys as waterbodies that dry regularly during the breeding season are unlikely to support breeding populations of GCN. Flowing water does not support GCN, and isolated ponds were cut off from the scheme footprint by busy roads.

2.5.13. Pond 82 was subject to a HSI and scored 0.51, below average. No surveys have been undertaken as the pond was surrounded by thick impenetrable bramble meaning that none of the survey techniques could be used, as no access to the pond's edge was possible. The pond is located between the A358 and the D099, although the A358 is considered a substantial barrier to movement, the D099 is a quieter road which GCN could potentially cross. Although the surrounding habitat is good for GCN, there are no suitable waterbodies within 250m of this pond. There is a watercourse 235m east of the pond further restricting access. It is therefore considered unlikely that GCN will be present at this pond.

2.5.14. Ponds 30b, 90, 90a and 91 dried during the survey season resulting in too few surveys being undertaken. However, this is not considered to be a significant constraint as if these ponds regularly dry during the breeding season, they are unlikely to support breeding GCN.

2.5.15. Ponds 126, 127, 128, 217a and 127b scored between below average and average in the HSI survey and an eDNA survey was proposed. However, upon the eDNA survey the ponds were dry and no eDNA sample could be taken. This is not considered to be a significant constraint as if these ponds regularly dry during the breeding season, they are unlikely to support GCN.

2.5.16. Due to dense vegetation, only 85% of pond 37 was accessible for eDNA sampling. Only ten percent of pond 47 was accessible due to steep vegetated banks, and



twenty eDNA samples were taken from the north section of the pond. Sixty percent of pond 67 was accessible although 20 eDNA samples were taken.

2.5.17. Access to ponds 97 and 98 (joined) had a small percentage of the bank that was not accessible, however 20 eDNA samples were taken. Due to dense vegetation, only 60% of pond 100 was accessible to take eDNA samples.

2.5.18. Pond 23, 132, 129, 145 and 145a were surrounded by dense vegetation therefore only a small section of the ponds was accessible to undertake an eDNA sample. Pond 115b had a fallen tree across it which prevented access around the whole pond, however 20 eDNA samples were taken.

2.5.19. Several ponds were subject to high proportions of vegetation cover. In most of these instances searches of terrestrial natural refugia were undertaken to increase the survey effort, or as alternative survey methods.



## 3. Results

### 3.1. Desk study

3.1.1. The data search results from Somerset Environmental Records Centre (SERC) returned two records of great crested newt within 2 kilometres of the three scheme options. One record from 2002 located approximately 143m from the Pink Modified option and the other in 2002 located approximately 1.5 kilometres from the Pink Modified option. One-hundred and eighty-six waterbodies were identified within 400m of the Pink Modified option. A map showing the location of SERC results is provided in Appendix A.

## 3.2. Description of waterbodies

3.2.1. A description of the waterbodies identified within 400m of the Pink Modified option along with their distance from the proposed construction footprint is provided in Appendix B. The waterbodies consist mainly of ponds within arable and grazed farmland; there are also ponds within woodland habitat and garden ponds. Many of the waterbodies identified during the desk study were ditches.

## 3.3. Habitat suitability index

3.3.1. A total of 180 waterbodies were identified within 400m of the Pink Modified option. A total of 82 had a habitat suitability index (HSI) survey completed, the other waterbodies were assessed as unsuitable for supporting breeding great crested newt (GCN) due to either being dry during the breeding season, isolated by significant barriers or were flowing water.

3.3.2. The detailed results of the HSI surveys can be found within Appendix C. Ponds that did not receive a HSI assessment are detailed above in Section 2.5.11. A map showing the results of the HSI surveys is shown in Appendix D.

## 3.4. Presence / absence surveys

3.4.1. Detailed results of the presence / absence surveys are provided in Appendix E and a map in Appendix F.

3.4.2. Of the 180 ponds, presence / absence surveys were conducted on 22 ponds, those ponds being 33, 38, 54, 64, 88, 90, 91, 110, 111, 115, 115a, 30a, 30b, 36a, 36b, 40a, 64b, 84a, 86b, 90a and A2, and ditch 001.

3.4.3. GCN were found to be present in ponds 54 and 40a.



3.4.4. GCN were likely absent from the remaining waterbodies that were subject to a presence / absence survey, as no evidence of GCN was found during the surveys of these ponds.

3.4.5. In addition to the GCN, the surveys found populations of smooth newt *Lissotriton vulgaris* and palmate newt *Lissotriton helveticus*.

## 3.5. eDNA Presence / likely absence

3.5.1. Of the 180 waterbodies, eDNA surveys were conducted on 40 waterbodies. Those ponds being 34, 37, 47, 67, 96a, 97 and 98 (joined), 99, 100, 101, 102, 103, 104, 105, 106, 106a, 107, 108, 109, 116, 117, 118, 120, 120a, 123, 126, 127, 128, 131, 132, 135, 136, 145, 145a, 146, 115b, 119a, 127a, 127b and 244a, and ditch 39.

3.5.2. Five ponds had positive eDNA results; ponds 67, 116, 117, 115b and 120a. Population surveys on these ponds are yet to be carried out. The results of the eDNA surveys can be viewed in Appendix G and mapping in Appendix E.

Pond number	Date of eDNA	Land parcel	Distance from Pink	eDNA result
	survey		Modified option (m)	
34	20/06/2019	ST132051	200m	Negative
37	08/05/2019	ST304835	240m	Negative
47	25/05/2020	ST277430	150m	Negative
67	26/06/2020	ST324729	195m	Positive
96a	24/06/2018	WS78616	139m	Negative
97 and 98 (joined)	20/06/2019	WS78616	265m	Negative
99	20/06/2019	WS78616	169.5	Negative
100	11/05/2018	WS44365	10.5	Negative
101	20/06/2019	WS78633	97.2	Negative
102	27/06/2019	WS78633	134.5	Negative
103	20/06/2019	WS78633	266	Negative
104	27/06/2019	WS78633	62	Negative
105	27/06/2019	WS78633	Adjacent to the scheme	Negative
106	27/06/2019	WS78633	7	Negative
106a	27/06/2019	WS78633	7	Negative
107	27/06/2019	WS78621	Within scheme footprint	Negative
108	19/06/2019	WS78633	219	Negative
109	19/06/2019	WS78633	155	Negative
116	19/06/2019	WS78646	397	Positive
117	19/06/2019	WS78646	320	Positive
118	19/06/2019	WS78646	397	Negative
120	12/06/2019	ST98650	Within scheme footprint	Negative
120a	09/05/2019	WS75255	90	Positive
123	24/04/2019	WS59859	244	Negative
126	12/06/2017	WS78646	196	Dry
127	12/06/2017	WS78646	257	Dry
128	12/06/2017	WS78701	117	Dry
131	25/06/2019	WS78713	80	Negative
132	25/06/2019	WS78713	26	Negative
135	13/06/2017	ST324729	148	Negative

#### Table 3:1 : Summary of eDNA results 2017 to 2020



Pond number	Date of eDNA survey	Land parcel	Distance from Pink Modified option (m)	eDNA result
136	11/05/2018	ST324729	122	Negative
145	24/06/2019	WS64776	248	Negative
145a	24/06/2019	WS64776	248	Negative
146	20/06/2019	WS78616	300	Negative
115b	09/05/2019	ST107626	Within scheme footprint	Positive
119a	25/06/2019	WS78646	357	Negative
127a	12/06/2017	WS78646	266	Negative
127b	12/06/2017	WS78646	267	Negative
244a	21/05/2019	U00053	102	Negative
D39	30/04/2019	ST304801	107	Negative

## **3.6.** Population class size and metapopulations

3.6.1. Results for population surveys are displayed in Appendix G, detailing the survey methods and weather conditions. Pond 54 was subject to six GCN surveys using three survey methods to provide an estimate of population size. The maximum number of GCN found during any one survey was 13 males and two female adults. The lowest maximum count for any one survey was no GCN recorded. These were identified through torching and bottle trapping. No GCN eggs were found during these surveys. Pond 55 is within 250m of pond 54, and as this pond was dry during the GCN breeding season, it is unlikely to support breeding GCN. The population size is classed as a medium population.

3.6.2. Pond 40a was subject to six GCN surveys using three survey methods to provide a population estimate. The maximum number of GCN found during any one survey was one male and three females which were identified through torching. Pond 40 and pond 143 are within 250m of pond 40a. Pond 40 was considered unsuitable for GCN due to its size and the presence of wildfowl, and pond 143 was not subject to a survey as it is over the 400m buffer. However as there is suitable connecting habitat between the three ponds, there is potential that GCN will use these waterbodies. The population class is classed as a small population.

3.6.3. Ponds 116 and 117 are next to each other and have both had the presence of GCN identified through eDNA surveys. Ponds 118 and 119a are located within 250m of pond 116 and 117 and although no GCN have been recorded at these ponds, there is good connecting habitat between all four ponds. Therefore, there is the potential that these ponds may be used by GCN in the future.

3.6.4. Pond 115b has had the presence of GCN identified through eDNA surveys. Ponds 115 and 115a are located next to this pond but presence / absence surveys did not identify GCN as being present. However, as they are located in close proximity to one another there is the potential these ponds may be used by GCN in the future. Pond 120a is also located within 250m of these ponds; GCN have been confirmed here through eDNA surveys. Although there is a road between the ponds, it is a country lane and not expected to be a barrier to dispersal. Pond 123 is located within 250m of pond 120a and



although returned a negative eDNA result for GCN, the pond may be used by GCN in the future. It is possible that these ponds are part of the same metapopulation.

3.6.5. Pond 67 has had the presence of GCN identified through eDNA surveys. Although this pond is not within 250m of any other ponds, pond 154 (over 400m from the Pink Modified option) is 340m away and has had the presence of GCN confirmed through eDNA surveys. These ponds are separated by a road, this is however a country lane and not considered a significant barrier to dispersal. As there are no other ponds within 250m of pond 67 there is the potential that these ponds form a metapopulation.

## 3.7. Site survey status

3.7.1. GCN are locally common in Somerset despite a national decline. Two ponds from the population surveys identified the presence of GCN while eDNA confirmed the presence of GCN in five ponds; it is therefore considered populations may be defined as locally important.



## 4. Conclusion

4.1.1. A medium population of greater crested newts (GCN) has been identified within 23m of the Pink Modified option. As pond 54 is in close proximity to the scheme footprint, impacts on terrestrial habitat associated with this population are likely to be significant which could have an impact on the viability of the population. Pond 40a has identified a small population of GCN but due to the distance of this pond from the scheme; 379m, impacts on terrestrial habitat associated with this population are likely to be relatively minor and not anticipated to have an impact on the viability of the population.

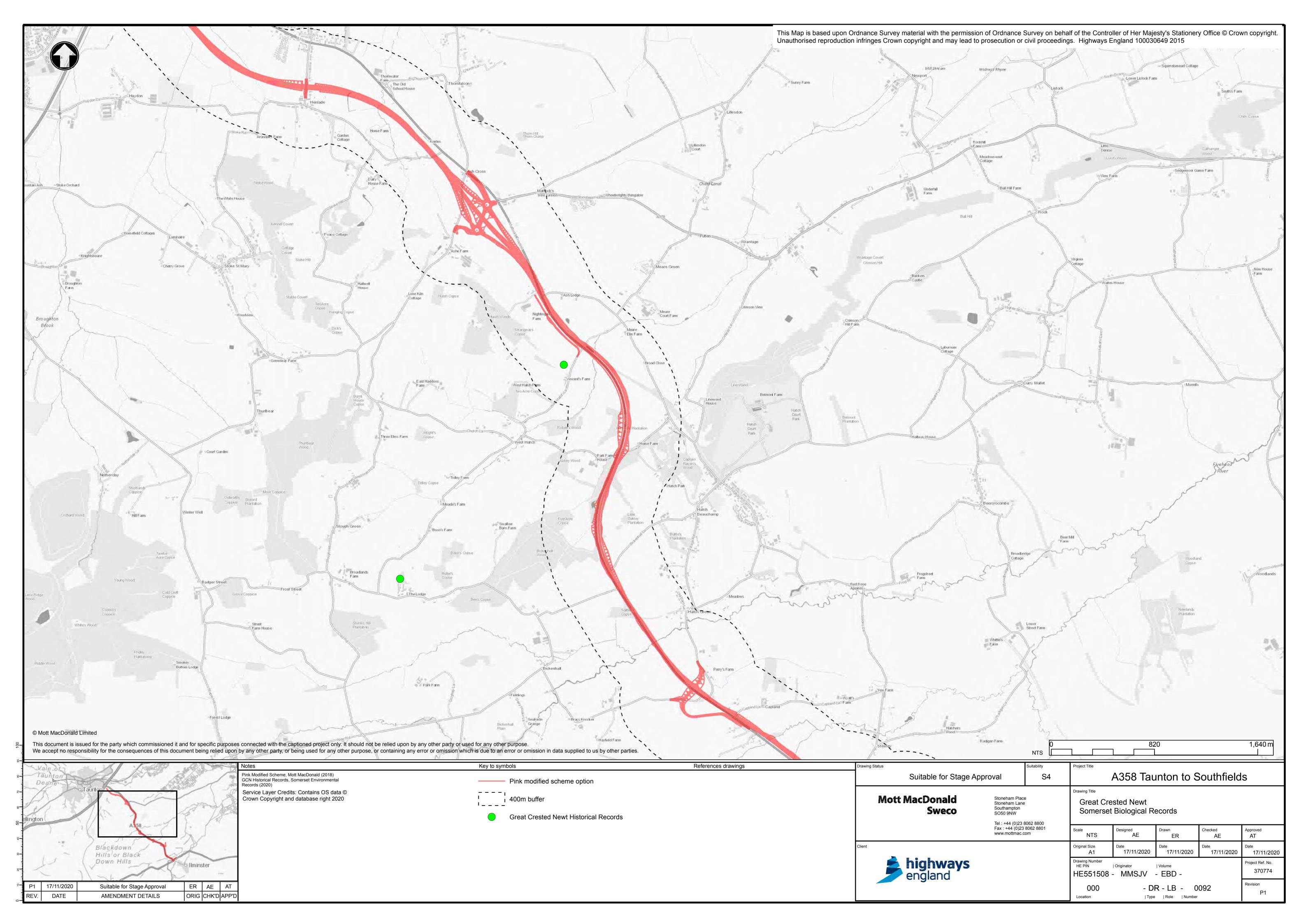
4.1.2. Ponds 60, 60a, 60c, and 61, and ditches 59, 60, and 62 were not subject to any surveys due to no access being granted and will require a habitat suitability index and potentially further surveys in 2021.

4.1.3. Ponds 67, 115b, 116, 117 and 120a have had eDNA surveys undertaken but will require population surveys in 2021.

4.1.4. The impact assessment and any mitigation measures required will be fully detailed within the Environmental Statement.



## **Appendix A: Somerset environmental records**





## **Appendix B: Description of waterbodies**

Pond reference	Description of waterbody	Distance from the Modified option (metres)
22	Dry pond.	165
28	Dry pond.	391
29	Dry pond.	79
30a	Balancing pond choked with common reed and some bulrush. Very shallow water present, <5cm deep over majority but slightly deeper on one side.	47
30b	As above.	95
31	Pond scoped out due to the A358 between the scheme and the pond.	375
31a	Pond scoped out due to the A358 between the scheme and the pond.	389
32	Dry pond.	221
33	Long pond with lots of leaf litter, turbid, overhanging scrub, bare earth banks and poached in places. Located within a boundary of grazed fields.	Within scheme footprint
34	Lined pond in garden surrounded by mown lawn.	200 (from main option)
36a	Small pond located between woodland and pastural field, broken trees in pond, leaf litter, shallow, less than 10cm deep ivy banks.	293
36b	Pond located between woodland and pastural field, broken trees in pond, leaf litter, shallow, about 10cm deep ivy banks, dry muddy edges.	254
37	Widened section of ditch forms a pond. Pond was shallow at less than 30cm deep and heavily silted on the bottom. Ducks present and tadpoles seen. Located in a closely mown garden, surrounding habitat was species poor semi-improved grassland and hedgerows.	240
38	Large pond in the middle of species poor semi- improved grassland. Dominant bulrush within the pond. Surrounding habitat hedgerows and arable fields.	300
40	A large lake with a small island in the middle. The habitat in the wider area consists of arable fields, hedgerows a line of trees and blocks of woodland.	400
40a	Lined feeding pond to pond 40 lake off natural issue.	379
47	Large pond surrounded by woodland, pasture and mown lawn. Silty bottom, reeds / sedges in majority of pond. Mostly exposed to sunlight but some trees around edge.	150
51	Very small and shallow within a small woodland and arable fields.	332



Pond reference	Description of waterbody	Distance from the Modified option (metres)
52	Shallow puddle on the edge of a woodland arable and hedgerows surrounding.	120
54	Irregular shaped, with small island in the middle ducks and fish present.	23
55	Dry pond located within a block of trees surrounded by arable fields and a hedgerow.	65
55a	Dry large rectangular road drainage pond.	Directly impacted
56	Small garden pond entirely covered in duckweed. water barely visible.	274
56a	Small shallow garden pond, flag iris throughout pond.	295
59	Man-made/managed pond for duck shooting - hides and plastic decoy ducks present	1.5
60	No access.	377
60a	No access.	295
60c	No access.	315
61	No access.	292
62	Man-made/managed pond for duck shooting - hides and plastic decoy ducks present	32
64	Dug out as part of farmyard operation. Steep sided banks, 100% cover of duckweed. Pipes from farmyard outflow into pond.	391
64a	Dug out as part of farmyard operation. Steep sided banks, 100% cover of duckweed.	393
64b	Small pond in between agricultural fields. Dense algae / grass showing nutrient enrichment.	194
65	Dry pond located in a hedgerow surrounded by arable fields.	91
67	Pond heavily shaded, covered in pondweed. Surrounded by arable fields. Connected to hedgerows with some woodland within a kilometre. No other vegetation within pond.	195
68	Pond located within small woodland. The pond is shaded, with vegetation, poor water quality. The small woodland block is connected to hedgerows. Arable fields are the dominant habitat nearby.	216.5
69a	Old bathtub sunk into the ground.	78
69b	Stone walled filtered goldfish pond, plastic lined, chicken wire structure covering.	98
69c	Raised fish pool, approx. 2m deep, stone wall, filter creating water flow, large koi fish.	86
69d	Dry pond located on a hedgerow boundary between arable fields.	168
69e	Dry pond located on a hedgerow boundary between arable fields.	177
69f	Dry pond located on a hedgerow boundary between arable fields.	162
70	Dry pond on the edge of a woodland.	368
72	Small pond, which dries annually surrounded by mature trees and scrub, woodland located to the	400



Pond reference	ond reference Description of waterbody	
	west of the pond. Connecting hedgerows and arable fields adjacent.	
80	No pond present.	283
81	Small turbid pond in field corner, surrounded by arable land.	392
82	Small pond surrounded by thick bramble. Located in a petrol fuelling yard.	7
83	Dry pond located on the edge of a woodland with arable land adjacent.	52.5
84	Garden pond located with an closely mown amenity grassland. Ducks present, duck island in the middle of the pond.	25
84a	Small garden pond lined with rocks.	93
86b	Pond in top corner of field between two mature trees, within scrub hedgerow. Brackish water.	334
86c	Walled fishpond with filter.	5
84b	Concrete lined garden pond.	94
84c	Large garden pond, unlined.	62
85	Dry pond located with a rough grassland with trees.	297
86a	Deep pond, willow scrub, on hedge line, between pasture fields. Trees growing in middle of pond.	
88	Farmland pond, with turbid water and trees and scrub overhanging. Located in a hedge line surrounded by arable land.	400
90	Small pond with, lots of leaf litter, shallow banks located in a small woodland. Connected to wider landscape by hedgerows.	12
90a	Small pond west of pond 90, in woodland. Many midge larvae.	21
91	Small pond located on the edge of a woodland, leaf litter, shallow banks, lots of midge larvae present, broken branches in middle.	13.5
92	Dry pond located in woodland.	196
93	Dry pond located in woodland.	211
94	Dry pond located in woodland.	235
95	Dry pond located in woodland.	222
96	Dry pond located in woodland.	139
96a	Woodland pond, with shallow banks, shaded.	139
97 and 98 (joined)	Two ponds on the map but joined, sloped backs, fallen wood and debris in pond.	265
99	Small pond on the edge of a woodland, shaded, lots of leaf litter.	169.5
100	Small pond located with woodland between two arable fields.	10.5
101	Pond on the edge of a woodland, next to arable fields.	97.2
102	Woodland pond.	134.5



Pond reference	Description of waterbody	Distance from the Modified option (metres)
103	Large pond located on the edge of a woodland.	266
104	Shaded turbid pond, with leaf litter decomposing in shallow water and facilitating grass growth in the middle.	62
105	Shaded pond located on the edge of a woodland. Lots of leaf litter.	Adjacent to the scheme
106	Large wooded pond with willow trees as emergent vegetation, shaded in places with leaf litter forming at base of the pond. Mixed woodland surrounding the pond with dense pendulous sedge common ivy, holly and bramble on banks. Water is slightly turbid but supports large numbers of invertebrates.	7
106a	Smaller woodland pond located close to pond 106.	7
107	Wooded pond with an irregular shape supporting few macrophytes, pendulous sedge and willow sp on banks, possible connection to small pond and ditch to the south. The pond was covered by a leaf litter layer with deadwood and emergent willow trees. Good invertebrate numbers.	Within scheme footprint
108	Pond filled with dense vegetation, located within a small woodland block with hedgerows connecting to larger areas of ancient woodland.	219
109	Large pond on the edge of a woodland and arable field. Filled with dense vegetation.	155
110	Circular pond located within a scrub area on the edge of an arable field. Pond is fed by a wet ditch.	Within scheme footprint
111	Pond in centre of field surrounded by willow scrub which is growing through the pond.	168
112	Dry pond located in small woodland between agricultural fields.	123.5
112b	Dry pond located in small woodland between agricultural fields.	123.5
112c	Dry pond located in small woodland between agricultural fields.	123.5
114	Dry pond located in the corner or an agricultural field.	384
115	Small circular pond located within a woodland between the A358 and a country road. Connected to other areas of woodland by hedgerows. Fly tipping in pond.	Within scheme footprint
115a	Irregular shaped pond with no macrophyte cover. Adjacent to pond 115 and 115b. Fly tipping pond.	Within scheme footprint
115b	Turbid pond, no macrophyte cover in the pond and the pond was heavily shaded. Adjacent to ponds 115 and 115a.	Within scheme footprint
116	Small shaded pond surrounded by mature trees and scrub. Connected to the wider landscape by hedgerows.	397



Pond reference	Description of waterbody	Distance from the Modified option (metres)
117	Small pond within woodland, close to pond 116. Good terrestrial habitat. Pond clogged with crassula helmsii. Connected to the wider landscape by hedgerows.	320
118	Small woodland pond next to pasture with hedges and scattered trees.	397
119	Dry pond located on a roadside verge.	318
119a	Partially wet ditch with dry areas covered by dense hemlock water dropwort. Ditch next to road and north of hedgerow. No visible macrophytes and low number of invertebrates as the ditch is used to drain the adjacent road.	357
120	Large lake bordered by dense scrub.	Within scheme footprint
121	Very small pond located within woodland on the edge of agricultural fields. Pond dries annually.	81
122	The pond is fed by ditch which is running water when there has been recent rain fall. The water is 100% turbid, which is also enclosed in a duck pen. No vegetation present in or around water body.	266
123	Small pond in corner of field surrounded by arable and grazed fields as well as well-connected hedgerows leading to small wooded areas. Habitat immediately around pond is good for foraging and refuge but this is a small area. Not much submerged vegetation and little that is suitable for egg laying.	244
124	Pond on the verge of being dry, located within a wooded areas between agricultural fields.	377
126	Small pond located in dense woodland on the edge of a county lane with agricultural fields surrounding.	196
127	Small pond located in dense woodland on the edge of a county lane with agricultural fields surrounding.	257
127a	Small pond located in dense woodland on the edge of a county lane with agricultural fields surrounding.	266
127b	Small pond located in dense woodland on the edge of a county lane with agricultural fields surrounding.	267
128	Small pond shallow pond with sloping banks, in an area of grassland on the edge of a road.	177
129	No evidence of pond just a small dry ditch.	228
131	Pond located on the edge for a semi-natural broadleaved woodland, adjacent to arable fields and hedgerows. Pond covered by duckweed.	80
131a	Waterbody located on the edge for a semi-natural broadleaved woodland, adjacent to arable fields and hedgerows. Pond covered by duckweed. This	66



Pond reference	Description of waterbody	Distance from the Modified option (metres)
	pond used to be part of pond 131 but has dried up in places forming two ponds.	
132	Small woodland pond.	26
133	Isolated pond located in a field south of the Southfields Roundabout.	109
133a	Isolated pond located in a field south of the Southfields Roundabout.	142
135	Shallow pond within mixed woodland, no macrophyte cover.	148
136	Shallow pond located in the same woodland as pond 135.	122
137	Isolated pond located at the entrance of Taunton Park and Ride.	212
138	Part of a fast flowing stream.	156
140	This is not a pond; it is part of ditch 47.	79
145	Pond next to slurry pit, water is dark and murky but apparently natural. Possible agricultural run- off with a couple of cows in the field as well. Very little marginal vegetation at current water level, slight shade with one bush on the northern edge. No macrophyte cover, water quality appears poor.	248
145a	Pond next to P145 description as above.	248
146	Shallow pond of the edge of a broadleaved woodland. No macrophyte cover, lots of leaf litter.	300
147	No pond present.	117
148	Dry pond located in small wood on the edge of an agricultural field.	145
149	Dry pond located in small wood on the edge of an agricultural field.	236
153	Tiny pond within small woodland / scrub block on field boundary. Water quality is bad, with some rubbish dumped. No marginal vegetation and almost 100% shading.	Within scheme footprint
167	A pond located under road bridge with turbid water and sediment, densely covered by a floating carpet of duckweed, water quality moderate with low invertebrate numbers and suffers from fly tipping and road run-off. The pond was surrounded by tall ruderal and trees,	48
244a	Lined garden pond with rough grassland and habitat piles next to the pond, offering hibernation opportunities. Pond is small, but with good egg laying vegetation.	102
A2	Small woodland pond.	45
D001	Ditch approximately 3.5 meters wide, surrounded by scrub poached by cattle. Surrounding landscape is arable fields and connecting hedgerows.	179.5
D004	Ditch with no obvious flow, poor water quality,	43.8



Pond reference	Description of waterbody	Distance from the Modified option (metres)
	located within a landscape of arable fields and	
	connecting hedgerows.	
D038	Water flowing in ditch.	66
D039	Ditch has deep and steep banks. Ditch inundated with leave litter. Located within an arable field.	107
D040	Dry ditch.	298
D041	Flowing stream.	245
D042	Dry ditch.	132
D043	Dry ditch.	123
D044	Dry ditch.	97
D045	Dry ditch.	168
D046	Dry ditch.	65
D047	Dry ditch.	1.5
D048	No ditch present.	141.8
D049	Dry ditch.	Within scheme footprint
D050	Dry ditch.	260
D051	Dry ditch.	363
D055	Dry ditch.	286
D058	Flowing stream.	Within scheme footprint
D059	No access.	2
D060	No access	302
D062	No access.	75
D064	Same as ditch 58.	Within scheme footprint
D065	Dry ditch.	30
D066	Same as pond 88.	400
D067	Dry ditch.	2
D068	Dry ditch.	Within scheme footprint
D069	Dry ditch.	188
D070	Dry ditch.	3.5
D070	Dry ditch.	7
D071	Ditch with flowing water.	146
D072	Dry ditch.	377
D074	Dry ditch.	Within scheme footprint
D075	5	
	Dry ditch.	4.5
D079	Isolated ditch.	266
D080	Dry ditch.	254
D081	Dry ditch.	215
D082	Dry ditch.	180
D083	Dry ditch.	279
D084	Dry ditch.	282
D085	Dry ditch.	3
D085a	No ditch present.	93
D86	Dry ditch.	232
D087	Dry ditch.	85
D088	Dry ditch.	4



Pond reference	Description of waterbody	Distance from the Modified option (metres)
D089	Dry ditch.	0.5
D090	Dry ditch.	Within the scheme footprint
D091 (Same as 87)	Dry ditch.	85
D093	Partially dry ditch.	19.5
D095	Dry ditch.	187
D096	Dry ditch.	347
D097	Unsuitable for GCN.	361
D099	Dry ditch.	45
D100	Dry ditch.	79.4
D101	Dry ditch.	109
D106	Dry ditch.	386
D107	Dry ditch.	65
D109	Dry ditch.	217
D110	Dry ditch.	273
D111	Dry ditch.	Unknown
D112	Dry ditch.	Unknown



## **Appendix C: HSI results**

Water Course	Distance from pink modified	Description of waterbody	Within 400m of the pink	Date of HSI survey	Survey still	Geographic location		Perman ence	Water quality	Shade	Waterfowl	Fish	Pond count	Terrestrial habitat	Macrophytes	HSI score	Habitat suitability
ID	option (m)		modified option		required after HSI	location	Alcaniz	ence	quanty				count	nabitat		30010	rating
22	165	Dry pond	Yes	10/05/2018	No	DRY POND											
28	391	Dry pond	Yes	12/06/2017	No	DRY POND											
29	79	Dry pond	Yes	12/06/2017	No	DRY POND											
31	375	N/A	Yes	N/A	No	SCOPED OUT	-										
32	221	Dry pond	Yes	23/03/2017	No	DRY POND											
33	Within scheme footprint	Overgrown pond, in pasture	Yes	23/03/2017	No	1.00	0.80	1.00	0.67	0.60	1.00	1.00	1.00	0.33	0.31	0.71	Good
34	200 (from main option)	Lined pond in garden	Yes	22/03/2017	Yes	1.00	0.10	0.90	0.67	1.00	1.00	0.67	0.43	0.67	0.81	0.63	Average
35	176	Unknown		n/a	Yes 2021		_	-				-					
37	240	Amenity pond with ducks	Yes	08/05/2019	No	1.00	1.00	0.5	0.67	40	0.01	0.67	0.43	1.00	0.36	0.49	Poor
38	300	Large pond in a field	Yes	17/02/2017	Yes	1.00	0.40	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.41	0.81	Good
	400	A large lake with and island in the middle		25/04/2017	No	1.00	1.00	0.90	1.00	1.00	0.01	0.01	13+	1.00	0.60	0.37	Poor
47	150	Large pond in woodland	Yes	26/05/2020	No	1.00	1.00	0.90	1.00	1.00	0.67	0.67	1.00	0.67	0.41	0.76	Good
51	332	Small pond in woodland	Yes	23/02/2017	No	1.00	0.05	0.10	1.00	0.20	1.00	1.00	0.55	1.00	0.31	0.42	Poor
52	120	Small pond in woodland	Yes	23/02/2017	No	1.00	0.05	0.10	1.00	0.20	1.00	1.00	0.55	0.67	0.36	0.41	Poor
54	23	Irregular shaped, ducks and fish present		06/02/2017	Yes	1.00	0.95	0.50	1.00	1.00	0.67	0.33	1.00	0.67	0.36	0.69	Good
55	65	Dry pond	Yes	11/05/2017	No	DRY POND	T	1	[	1	1	г	1		1	1	
56	274	Garden pond	Yes	24/04/2019	No	1.00	0.05	1.00	0.67	1.00	1.00	0.67	1.00	0.67	0.00	0.57	Below Average
59	1.5	Amenity pond with ducks	yes	25/11/2019	No	1.00	1.00	1.00	0.33	0.20	0.01	0.67	1.00	1.00	0.00	0.41	Poor
	400	Unknown	Yes	NO ACCESS	Yes 2021					-	-				•		
62	32	Amenity pond with ducks		25/11/2019	No	1.00	1.00	0.90	0.33	0.20	0.01	0.67	1.00	1.00	0.31	0.41	Poor
61	349	Unknown	Yes	NO ACCESS	Yes 2021			1			1	T		T	1		T
64	391	Agricultural drainage pond	Yes	11/05/2017	Yes	1.00	0.05	0.50	0.33	1.00	1.00	1.00	0.90	0.67	0.41	0.54	Below Average
65 07	91	Dry pond	Yes	03/06/2020	No	DRY POND	1.00	1.00	0 (7		1.00	1.00	1.00	0.47	0.01		
67	195	Pond in field	Yes	26/05/2020	Yes	1.00	1.00	1.00	0.67	0.40	1.00	1.00	1.00	0.67	0.31	0.49	Poor
68 70	216.5	Pond in woodland	Yes	12/04/2017	No	1.00	0.05	0.90	0.33	0.30	0.67	1.00	0.93	0.67	0.31	0.47	Poor
	368	Dry pond	Yes	14/02/2017	No	DRY POND											
80 81	283 392	n/a Small turbid pond in field	Yes	22/03/2017 25/04/2017	No	NO POND PR	LSENI			1		1					1
	392	corner	Yes		No	1.00	0.05	1.00	1.01	0.30	1.00	1.00	0.69	0.67	0.30	0.34	Poor
82	1	Small pond surrounded by scrub	Yes	02/02/2017 and 22/04/2019	No	POND INACC	F22ARLF										
83	52.5	Dry pond	Yes	08/05/2017	No	DRY POND											
84	25	Garden pond	Yes	09/05/2017	No	1.00	0.40	0.90	0.67	1.00	0.01	0.33	0.55	0.67	0.36	0.40	Poor
85	297	Dry pond	Yes	21/02/2017	No	DRY POND					*		<b>!</b>		•		•
88	400	Farmland pond	Yes	22/02/2017	Yes	1.00	0.40	0.90	0.67	0.40	1.00	1.00	1.00	0.33	0.31	0.63	Average
90	12	Small pond in woodland	Yes	22/02/2017	Yes	1.00	0.05	1.00	0.33	0.80	1.00	1.00	0.98	1.00	0.31	0.58	Below Average
91	13.5	Small pond in woodland	Yes	22/02/2017	Yes	1.00	0.40	0.90	0.67	0.60	1.00	1.00	1.00	1.00	0.41	0.75	Good
92	196	Dry pond	Yes	17/06/2019	No	DRY POND		ļ								+	
	211	Dry pond	Yes	17/06/2019	No	DRY POND											
94	235	Dry pond	Yes	17/06/2019	No	DRY POND											
95	222	Dry pond	Yes	17/06/2019	No	DRY POND											
96	139	Dry pond	Yes	17/06/2019	No	DRY POND											
96a	139	Woodland pond	Yes	24/06/2019	Yes	1.00	0.20	0.50	0.67	0.30	1.00	1.00	1.00	1.00	0.31	0.60	Average
98	265	Two ponds on the map but joined	Yes	20/06/2019	Yes	1.00	1.00	1.00	0.67	0.60	1.00	0.67	1.00	1.00	0.41	0.80	Excellent
(joined)	100 5	Mandland a sad	Vee	20/06/2010	Var	4.00	1.00	0.50	0.00	0.00	4.00	1.00	4.00	1.00	0.01	0.40	
99 100	169.5 10.5	Woodland pond Woodland pond	Yes Yes	20/06/2019 11/05/2018	Yes	1.00	1.00	0.50	0.33	0.20	1.00	1.00	1.00	1.00	0.31	0.63	Average
100	10.0		100	11/03/2010	No	1.00	1.00	1.00	0.67	0.60	0.67	1.00	1.00	1.00	0.71	0.79	Good

No.         No.         Process point         Yes         I.O.         I.O.     <	1 0	97.2	Woodland pond	Yes	20/06/2019	Yes	1.00	1.00	1.00	0.22	0.00	1.00	1.00	1.00	1.00	0.21	0 ( 0	Average
100         101         100         101         100         101         100         101         100         101         100         101 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td>0.33</td> <td>0.20</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td>0.31</td> <td>0.68</td> <td>Average</td>			-				1.00	1.00	1.00	0.33	0.20	1.00	1.00	1.00	1.00	0.31	0.68	Average
Ins         Des         State back-part of Marked Marked State back-part of Marked Marked State back-part of Marked Marked State back-part of Marked Marked Marked State back-part of Marked Marked Marked State back-part of Marked Marked			-															Excellent
116       Agazon In Terr       Wass       117       110 <td></td> <td></td> <td>•</td> <td></td> <td>Average Good</td>			•															Average Good
Order         Woodship Journ         Yes         100         0.00         100         100         0.02         100         100         100         0.02         0.02         100         100         100         0.02         0.02         100         100         100         0.02         100 <td></td> <td></td> <td>-</td> <td></td> <td>Average</td>			-															Average
106a         7         Modelind proof         Yes         27062019         Yes         1.00         0.00         1.00         0.30         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.60         0.00         1.00         0.67         1.00         0.60         0.00         1.00         0.60         1.00         0.67         1.00         1.00         0.66         0.61         1.00         0.67         1.00         1.00         0.66         0.61         0.65         0.60         0.60         1.00         0.60		scheme 7	Woodland pond	Yes	27/06/2019	Yes												Good
107         With astame         Woodsame form         Yee         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00 <td></td> <td>7</td> <td></td> <td>Good</td>		7																Good
Integrate         Integrate <t< td=""><td></td><td>, Within scheme</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		, Within scheme																
195       Wooland pond       Yes       100	f	footprint																Good
110       Within scheme       Pend summaded by schel       Virs       1400 100       100       100       100       100       100       0.67       0.61       100       100       0.67       0.61       0.67       0.61       0.67       0.61       100       100       100       100       100       0.67       0.61       0.67       0.61       0.67       0.67       0.67       0.67       0.67       0.67       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70       0.60       0.70																		Excellent Excellent
Imaginal         Control         1.00         0.00         0.00         0.01         1.00         0.00         0.047         0.036			•				1.00	0.00	0.90	1.00	1.00	0.07	1.00	1.00	1.00	0.00	0.93	LACEHEIIL
112       123.6       Dry pord       Yes       2005/2020       No       DPP (PMD)         114       344       Dry pord       Yes       02/03/2017       Yes       1.00       0.05       0.50       1.00       1.00       1.00       0.80       1.00       0.01       0.00       0.01       0.00       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.03       0.05       0.01       1.00       1.00       1.00       0.03       0.05       0.01       0.00       0.01 <td< td=""><td>f</td><td>footprint</td><td></td><td></td><td></td><td>100</td><td>1.00</td><td></td><td>0.90</td><td></td><td>0.40</td><td>1.00</td><td>1.00</td><td></td><td></td><td></td><td>0.56</td><td>Below Average</td></td<>	f	footprint				100	1.00		0.90		0.40	1.00	1.00				0.56	Below Average
114       284       Dry pord       Yes       DB082017       Yes       1.00       0.05       0.05       0.00       0.23       1.00       1.00       0.00								1.00	1.00	0.33	0.70	1.00	1.00	0.98	0.33	0.31	0.69	Average
15       Within scheme       Woodland pand       Yes       100       0.05       0.05       1.00       0.20       1.00       1.00       1.00       0.31       0.51       F         116       307       Pond surrounded by serub       Yes       1000       0.20       1.00       0.33       0.50       1.00       1.00       1.00       1.00       1.00       1.00       0.67       0.60       1.00       1.00       1.00       0.67       0.60       1.00       1.00       0.67       0.67       1.00       0.67       0.67       1.00       0.67       0.67       0.67       1.00       0.67 <td></td>																		
Isolginit         Food							DRY POND		1					1		I		
117       320       Woodland pond       Yes       100       1.00       1.00       1.00       1.00       1.00       1.00       1.00       0.00       0.88       0.88         118       397       Woodland pond       Yes       101002017       No       No       1.00       1.00       1.00       1.00       1.00       0.87       0.31       0.71         120       Withinshme       Large leboreterid by dense       Yes       0703/2017       Yes       No       0.00       0.67       0.67       0.67       0.67       0.67       0.31       0.26         121       61       Dy pond       Yes       11/102017       No       0.005       0.10       0.33       1.00       0.01       1.00       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.41       0.58       0.67       0.20       1.00			Woodland pond	Yes	02/03/2017	Yes	1.00	0.05	0.50	1.00	0.20	1.00	1.00	0.80	1.00	0.31	0.51	Below Average
117       320       Woodland pond       Yes       1906/2019       Yes       100       100       100       100       100       100       0.00       0.87       0.80       0.89       0.89         118       397       Woodland pond       Yes       10/10/2017       No       0.00       0.67       1.00       1.00       1.00       0.01       0.0       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.67       0.61       0.0       0.67       0.67       0.67       0.67       0.61       0.0       0.67       0.67       0.67       0.67       0.61       0.0       0.67       0.67       0.67       0.61       0.0       0.67       0.67       0.67       0.31       0.26       100       0.67       0.67       0.67       0.61       0.0       0.67       0.67       0.61       0.0       0.67       0.67       0.61       0.0       0.67       0.67       0.61       0.0       0.67       0.67       0.61       0.0       0.67       0.67       0.67       0.67       0.61       0.0	6 3	397	Pond surrounded by scrub	Yes	19/06/2019	Yes	1.00	0.20	1.00	0.33	0.50	1.00	1.00	1.00	1.00	0.36	0.69	Average
118       997       Woodland pond       Yes       10002017       No       No       No       0.00       0.67       1.00       1.00       1.00       0.00       0.61       0.00       0.67       1.00       1.00       1.00       0.00       0.61       0.00       0.67       1.00       1.00       1.00       0.01       1.00       0.00       0.67       0.67       1.00       0.67       0.31       0.70       0.71       0.71         120       Within scheme       Large liske bordered by dese       Yes       07032017       No       1.00       0.05       0.10       0.33       1.00       0.01       1.00       0.67       0.31       0.26       0.47       0.31       0.26       0.41       0.58       0.33       0.80       0.67       0.67       0.31       0.26       0.41       0.58       0.33       0.80       0.67       0.67       0.31       0.26       0.41       0.58       0.41       0.53       0.26       0.67       0.20       1.00       0.67       0.20       1.00       0.67       0.20       1.00       0.67       0.20       1.00       0.67       0.20       1.00       0.61       0.50       0.55       0.67       0.20 <td< td=""><td>7 3</td><td>320</td><td>Woodland pond</td><td>Yes</td><td>19/06/2019</td><td>Yes</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Excellent</td></td<>	7 3	320	Woodland pond	Yes	19/06/2019	Yes												Excellent
120         Within Schere         arge lake bordered by dense         Yes         07/03/2017         Yes         1.00         0.00         0.90         0.33         0.80         0.67         0.67         1.00         0.67         0.31 <td>8 3</td> <td>397</td> <td>Woodland pond</td> <td>Yes</td> <td>19/06/2019</td> <td>Yes</td> <td>1.00</td> <td>No value</td> <td>0.00</td> <td>0.67</td> <td>1.00</td> <td></td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td>0.81</td> <td>0.94</td> <td>Excellent</td>	8 3	397	Woodland pond	Yes	19/06/2019	Yes	1.00	No value	0.00	0.67	1.00		1.00	1.00	1.00	0.81	0.94	Excellent
Incorprint         strub         Final Properties         Structure         Incorpression         0.00         0.90         0.33         0.80         0.67         0.67         0.07         0.07         0.01         0.71           121         81         Dry pond         Yes         11/10/2017         No         DRY POND	9 3	318	Dry pond	Yes	10/10/2017	No					1							1
Instrum         Instrum <t< td=""><td>20 \</td><td>Within scheme</td><td>Large lake bordered by dense</td><td>Yes</td><td>07/03/2017</td><td>Yes</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	20 \	Within scheme	Large lake bordered by dense	Yes	07/03/2017	Yes												
122         266         Duck pond         Yes         24/04/2019         Yes         1.00         0.05         0.10         0.33         1.00         0.01         1.00         0.43         0.67         0.31         0.26           123         244         Familand pond         Yes         1.00         0.05         1.00         0.33         1.00         1.00         0.67         0.41         0.58         F           124         377         Woodland pond         Yes         1.00         0.57         0.10         0.67         0.20         1.00         0.67         1.00         0.64         0.67         0.04         0.64           126         186         Woodland pond         Yes         07/03/2017         Yes         1.00         0.05         0.50         0.67         0.20         1.00         1.00         1.00         1.00         0.01         0.00         0.67         0.20         1.00         1.00         1.00         1.00         0.01         0.00         0.01         0.00         0.01         0.00         0.01         0.00         0.01         0.00         0.01         0.00         1.00         1.00         1.00         1.00         0.01         0.01         0.0	f	footprint	scrub				1.00	0.00	0.90	0.33	0.80	0.67	0.67	1.00	0.67	0.31	0.71	Good
122         266         Duck pond         Yes         24/04/2019         No         1.00         0.05         0.10         0.33         1.00         0.01         1.00         0.43         0.67         0.31         0.26           123         244         Familand pond         Yes         24/04/2019         Yes         1.00         0.05         1.00         0.33         1.00         1.00         1.00         0.67         0.41         0.58         16           124         377         Wootland pond         Yes         1.000         0.50         0.10         0.33         1.00         1.00         0.45         1.00         0.67         1.00         0.41         0.41           126         166         Wootland pond         Yes         07/03/2017         Yes         1.00         0.05         0.50         0.67         0.20         1.00         1.00         1.00         1.00         1.00         0.01         1.00         <	1 8	81	Dry pond	Yes	11/10/2017	No	DRY POND											
123       244       Farminan pond       Yes       24/04/2019       Yes       1.00       0.05       1.00       0.33       1.00       1.00       1.00       0.67       0.41       0.58       F         124       377       Woodland pond       Yes       1303/2017       Yes       1.00       0.05       0.10       0.33       0.20       1.00       0.67       0.41       0.56       0.40         126       Woodland pond       Yes       07/03/2017       Yes       1.00       0.20       1.00       0.67       0.20       1.00       0.67       1.00       0.41       0.61         127       257       Woodland pond       Yes       07/03/2017       Ne       0.05       0.50       0.67       0.20       1.00       1.00       1.00       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.00       1.00       1.00       1.00       0.01 <t< td=""><td></td><td></td><td>* •</td><td></td><td></td><td></td><td></td><td>0.05</td><td>0.10</td><td>0.33</td><td>1.00</td><td>0.01</td><td>1.00</td><td>0.43</td><td>0.67</td><td>0.31</td><td>0.26</td><td>Poor</td></t<>			* •					0.05	0.10	0.33	1.00	0.01	1.00	0.43	0.67	0.31	0.26	Poor
124         377         Woodland pond         Yes         13/03/2017         Yes         1.00         0.05         0.10         0.33         0.20         1.00         0.67         0.20         1.00         1.00         1.00         0.67         0.20         1.00         0.67         0.20         1.00         0.67         0.20         1.00         1.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00         0.00         1.00			Farmland pond		24/04/2019	Yes												Below Average
126         196         Woodland pond         Yes         07/03/2017         Yes         1.00         0.67         0.20         1.00         0.67         1.00         1.00         0.61         0.61         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         1.00         1.00         0.01         0.00         0.05         0.50         0.67         0.20         1.00         1.00         1.00         1.00         0.03         0.51         E           128         177         Road verge pond         Yes         07/03/2017         No         0.05         0.50         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         0.67         0.01         1.00         1.00         1.00         1.00         0.67         0.20         1.00         1.00         1.00         1.00         0.67         0.01         1.00         1.00         1.00         0.67         0.01         1.00         0.67         0.00         1.00         0.67         0.00         1.00         0.67         0.00         1.00         0.67         1.00         1.00         0.67         0.00         1.00         0.67         1.00	24	377	Woodland pond	Yes	13/03/2017	No												Poor
127         257         Woolland pond         Yes         0.00         0.05         0.50         0.67         0.20         1.00         1.00         1.00         0.36         0.51         E           128         177         Road verge pond         Yes         07/03/2017         No         0.05         0.50         1.00         1.00         1.00         1.00         1.00         0.71         0.67           129         228         Dry pond         Yes         04/10/2017         No         DRY POND			-															Average
Image: Constraint of the second sec																		Ŭ
129         228         Dry pond         Yes         10/10/2017         No         DRY POND           131         80         Woodland pond         Yes         04/10/2017         Yes         1.00         0.40         0.50         0.33         0.50         1.00         0.43         1.00         0.01         0.00<							1.00											Below Average
131         80         Woodland pond         Yes         04/10/2017         Yes         1.00         0.40         0.50         0.33         0.50         1.00         0.43         1.00         0.31         0.58         E           132         26         Woodland pond         Yes         04/10/2017         Yes         1.00         0.10         0.50         0.33         0.30         1.00         0.43         1.00         0.31         0.49           133         109         Famland pond         Yes         N/A         No         SCOPED OUT -ISCLATED POND         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.41         0.60         1.01         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.67         1.00         1.00         0.01								0.05	0.50	1.00	1.00	1.00	1.00	1.00	1.00	0.71	0.67	Average
Image: Constraint of the second sec			-				DRY POND		1					1		T		
133       109       Farmland pond       Yes       N/A       No       SCOPED OUT - ISOLATED POND         135       148       Woodland pond       Yes       11/05/2017       No       1.00       0.00       1.00       0.67       1.00       0.01       0.67       0.00       0.01       0.67       0.00       0.01       0.67       0.01       0.67       0.01       0.67       0.01       0.67       0.01       0.67       0.01       0.67       0.00       1.00       0.67       1.00       0.60       1.00       0.67       1.00       0.60       0.00       1.00       0.67       1.00       0.60       0.67       1.00       0	\$1 {	80	Woodland pond	Yes	04/10/2017	Yes	1.00	0.40	0.50	0.33	0.50	1.00	1.00	0.43	1.00	0.31	0.58	Below Average
133       109       Farmland pond       Yes       N/A       No       SCOPED OUT - ISOLATED POND         135       148       Woodland pond       Yes       11/05/2017       No       1.00       0.00       1.00       0.67       1.00       0.01       0.67       0.37         136       122       Woodland pond       Yes       11/05/2017       Yes       1.00       0.00       1.00       0.67       1.00       0.67       1.00       0.01       0.67       0.37         136       122       Woodland pond       Yes       11/05/2017       Yes       1.00       0.00       1.00       0.67       1.00       0.67       1.00       0.01       0.67       0.37         137       212       Isolated pond       Yes       N/A       No       ISOLATED POND             0.60       1.00       0.67       1.00       1.00       0.67       1.00       1.00       0.31       0.60       1.04       1.02       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60       2.60	32 2	26	Woodland pond	Yes	04/10/2017	Yes	1.00	0.10	0.50	0.33	0.30	1.00	1.00	0.55	1.00	0.31	0.49	Poor
136       122       Woodland pond       Yes       1.00       0.00       1.00       0.67       1.00       1.00       0.67       1.00       0.01       0.00       0.07       1.00       0.01       0.00       0.07       1.00       0.01       0.00       0.07       1.00       0.01       0.00       0.07       1.00       0.01       0.00       0.07       1.00       0.01       1.00       0.027       1.00       0.01       0.00       0.07       1.00       0.01       0.00       0.01       0.00       0.033       1.00       0.067       1.00       0.01       0.00       0.033       1.00       0.067       1.00       0.01       0.00       0.01       0.00       0.07       1.00       1.00       0.067       1.0	3 <sup>-</sup>	109	Farmland pond	Yes	N/A	No					1							1
137       212       Isolated pond       Yes       N/A       No       ISOLATED POND         138       156       N/A       Yes       N/A       No       SCOPED OUT - PART OF FAST FLOWING STREAM         140       79       N/A       Yes       N/A       No       SCOPED OUT - PART OF DITCH 047         145       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.03       1.00       1.00       0.67       1.00       0.31       0.60         145a       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       0.36       0.70         145a       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       1.00       1.00       0.67       1.00       0.36       0.70         146       300       Woodland pond       Yes       20/06/2019       No       NO POND PRESENT       1.00       1.00       1.00       0.31       0.63         147       117       N/A       Yes       20/06/2019       No       POND HAS BEEN FILLED IN       1.00       1.00       1.00 <td>5 <sup>-</sup></td> <td>148</td> <td>Woodland pond</td> <td>Yes</td> <td>11/05/2017</td> <td>No</td> <td>1.00</td> <td>0.00</td> <td>1.00</td> <td>0.67</td> <td>1.00</td> <td>1.00</td> <td>0.67</td> <td>1.00</td> <td>0.01</td> <td>0.67</td> <td>0.37</td> <td>Poor</td>	5 <sup>-</sup>	148	Woodland pond	Yes	11/05/2017	No	1.00	0.00	1.00	0.67	1.00	1.00	0.67	1.00	0.01	0.67	0.37	Poor
138       156       N/A       Yes       N/A       No       SCOPED OUT - PART OF FAST FLOWING STREAM         140       79       N/A       Yes       N/A       No       SCOPED OUT PART OF DITCH 047         145       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       0.031       0.60         145a       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       0.036       0.70         146       300       Woodland pond       Yes       20/06/2019       Yes       1.00       1.00       0.50       0.33       1.00       1.00       1.00       1.00       0.31       0.63         147       117       N/A       Yes       20/06/2019       No       POND HAS BEEN FILLED IN       Vestand pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN       Vestand pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN       Vestand pond       1.00       0.67       0.31       0.33       0.33       1.00       1.00       1.00	6 <sup>^</sup>	122	Woodland pond	Yes	11/05/2017	Yes	1.00	0.00	1.00	0.67	1.00	1.00	0.67	1.00	1.00	0.41	0.60	Average
140       79       N/A       Yes       N/A       No       SCOPED OUT PART OF DITCH 047         145       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       0.31       0.60         145a       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       0.36       0.70         146       300       Woodland pond       Yes       20/06/2019       Yes       1.00       1.00       0.50       0.33       1.00       1.00       1.00       0.31       0.63         147       117       N/A       Yes       20/06/2019       No       NO POND PRESENT			Isolated pond	Yes		No	ISOLATED PC	ND					·	·		· · · · · · · · · · · · · · · · · · ·	· ·	
145       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       1.00       0.31       0.60         145a       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       1.00       0.34       0.60         146       300       Woodland pond       Yes       20/06/2019       Yes       1.00       1.00       0.50       0.33       1.00       1.00       1.00       0.36       0.70         147       117       N/A       Yes       20/06/2019       No       NO POND PRESENT       Vestar       20/06/2019       No       POND HAS BEEN FILLED IN         148       145       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN       Vestar       Vestar       20/06/2019       No       POND HAS BEEN FILLED IN         149       236       Woodland pond       Yes       20/06/2020       No       1.00       0.00       0.30       1.00       1.00       1.00       0.67       0.31       0.33       0.33         112b<						No	SCOPED OUT	- PART OF	FAST FLO	WING STRE	AM							
145a       248       Farmland pond       Yes       26/06/2019       Yes       1.00       0.00       1.00       0.33       1.00       1.00       0.67       1.00       1.00       0.36       0.70         146       300       Woodland pond       Yes       20/06/2019       Yes       1.00       1.00       0.33       1.00       1.00       1.00       1.00       0.36       0.70         147       117       N/A       Yes       20/06/2019       No       NO POND PRESENT       Ville       Ville <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART OF D</td> <td>DITCH 047</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td>								PART OF D	DITCH 047					•		· · · · · · · · · · · · · · · · · · ·		
146       300       Woodland pond       Yes       20/06/2019       Yes       1.00       1.00       0.01       1.00       1.00       0.31       0.63         147       117       N/A       Yes       20/06/2019       No       NO POND PRESENT       0.00       0.33       1.00       1.00       1.00       1.00       0.31       0.63         148       145       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN       0.00 </td <td></td> <td></td> <td>-</td> <td></td> <td>Average</td>			-															Average
147       117       N/A       Yes       20/06/2019       No       NO POND PRESENT         148       145       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN         149       236       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN         153       Within scheme footprint       Farmland pond       Yes       01/06/2020       No       1.00       0.01       0.30       1.00       1.00       0.67       0.31       0.33         112b       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Version       01/06/2020       No       DRY POND         112c       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Version       Version       02/05/2020       No       DRY POND         112c       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Version       Vers			-										-					Good
148       145       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN         149       236       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN         153       Within scheme footprint       Farmland pond       Yes       01/06/2020       No       1.00       0.00       0.50       0.01       0.30       1.00       1.00       0.67       0.31       0.33         112b       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Version       Version       02/02/2017       Version       0.00       0.50       0.01       0.30       1.00       1.00       0.67       0.31       0.33         112b       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Version       Versi									0.50	0.33	1.00	1.00	1.00	1.00	1.00	0.31	0.63	Average
149       236       Woodland pond       Yes       20/06/2019       No       POND HAS BEEN FILLED IN         153       Within scheme footprint       Farmland pond       Yes       01/06/2020       No       1.00       0.00       0.50       0.01       0.30       1.00       1.00       0.67       0.31       0.33         112b       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Ves       26/05/2020       No       DRY POND         112c       123.5       Dry pond       Yes       26/05/2020       No       DRY POND       Ves       26/05/2020       No       DRY POND																		
153         Within scheme footprint         Farmland pond         Yes         01/06/2020         No         1.00         0.00         0.50         0.01         0.30         1.00         1.00         0.67         0.31         0.33           112b         123.5         Dry pond         Yes         26/05/2020         No         DRY POND			-															
footprint         Image: Constraint of the second seco			•				POND HAS B	EEN FILLED	IN		<u>г</u>							
112c         123.5         Dry pond         Yes         26/05/2020         No         DRY POND           115c         Within onlympa         Woodland nand         Yes         02/03/0017         Yes	f	footprint						0.00	0.50	0.01	0.30	1.00	1.00	1.00	0.67	0.31	0.33	Poor
11Eq. Within ophama, Woodland nand Voo 02/02/2017																		
115a Within scheme Woodland pond IYes 102/03/2017 IYes 100 000 100 000 100 000 100 000 100 000 000 000 000 000							DRY POND	1	1		· · · ·		1	I	I	•		
footprint 1.00 0.30 1.00 0.67 0.40 1.00 0.80 1.00 0.31 0.68		Within scheme footprint	Woodland pond	Yes	02/03/2017	Yes	1.00	0.30	1.00	0.67	0.40	1.00	1.00	0.80	1.00	0.31	0.68	Average

115b	Within scheme footprint	Woodland pond	Yes	10/05/2019	Yes	1.00	0.07	0.50	0.33	0.40	0.67	1.00	1.00	1.00	0.36	0.51	Below Average
120a	90	Woodland pond	Yes	09/05/2019	yes	1	0.1	1	0.33	0.4	0.67	1	1	1	0.8	0.63	Average
119a	357	Wet Ditch	Yes	26/06/2019	Yes	1.00	0.05	0.50	0.33	1.00	1.00	1.00	10.00	0.93	0.67	0.53	Below Average
127a	266	Woodland pond	Yes	07/03/2017	No	1.00	0.05	0.50	0.67	0.20	1.00	1.00	1.00	1.00	0.36	0.51	Below Average
127b	267	Woodland pond	Yes	07/03/2017	No	1.00	0.05	0.50	0.67	0.20	1.00	1.00	1.00	1.00	0.51	0.53	Below Average
131a	66	Dry pond	Yes	26/06/2019	No	DRY POND				<u> </u>		1		<u> </u>			Į
133a	142	Farmland pond	Yes	N/A	No	SCOPED OU	T ISOLATED	POND									
244a	102	Garden pond	Yes	08/05/2019	No	1.00	0.00	0.90	1.00	1.00	1.00	0.67	1.00	1.00	0.36	0.79	Good
30a	47	Balancing pond	Yes	13/03/2017	No	1.00	0.87	0.10	1.00	1.00	1.00	1.00	0.80	1.00	0.80	0.75	Good
30b	95	Balancing pond	Yes	13/03/2017	No	1.00	0.20	0.10	1.00	1.00	1.00	1.00	0.80	1.00	0.80	0.65	Average
31a	389	N/A	Yes	N/A	No	SCOPED OU				_			_				
36a	293	Woodland pond	Yes	23/02/2017	Yes	1.00	0.05	1.00	1.00	0.60	1.00	1.00	1.00	1.00	0.41	0.64	Average
36b	254	Woodland pond	Yes	23/02/2017	Yes	1.00	0.20	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.85	Excellent
40a	379	Lined pond	Yes	25/04/2017	Yes	1.00	0.05	0.90	1.00	1.00	0.01	0.67	1.00	1.00	0.50	0.41	Poor
55a	Directly impacted	Dry pond	Yes	04/04/2017	No	DRY POND											
56a	295	Garden pond	Yes	22/05/2019	No	1.00	0.05	0.10	0.67	1.00	1.00	1.00	1.00	0.67	1.00	0.54	Below Average
60a	352	Unknown	Yes	NO ACCESS	Yes 2021												
60c	350	Unknown	Yes	NO ACCESS	Yes 2021												
64a	393	Agricultural drainage pond	Yes	11/05/2017	Yes	1.00	0.10	0.50	0.33	1.00	1.00	1.00	0.90	0.67	0.31	0.56	Below Average
64b	194	Farmland pond	Yes	11/05/2017	Yes	1.00	0.05	0.50	0.33	0.40	1.00	1.00	0.90	0.67	0.51	0.55	Below Average
69a	78	Bathtub sunk into ground	Yes	02/02/2017	No	1.00	0.05	0.90	0.33	1.00	1.00	1.00	0.55	0.33	0.36	0.50	Poor
69b	98	Garden pond	Yes	22/02/2017	No	1.00	0.05	0.90	1.00	1.00	1.00	0.01	0.98	0.33	0.71	0.40	Poor
69c	86	Garden pond	Yes	22/02/2017	No	1.00	0.05	0.90	1.00	1.00	1.00	0.01	1.00	0.33	0.31	0.37	Poor
69d	168	N/A	Yes	26/04/2019	No	NO POND P	RESENT	•				•	<u>.</u>			- <b>!</b>	•
69e	177	N/A	Yes	26/04/2019	No	NO POND PF	RESENT										
69f	162	N/A	Yes	26/04/2019	No	NO POND PF	RESENT										
84a	97	Garden pond	Yes	16/02/2017	Yes	1.00	0.05	0.90	0.67	1.00	1.00	0.67	0.55	0.67	0.31	0.54	Below Average
84b	94	Garden pond	Yes	09/05/2017	No	1.00	0.05	0.50	0.33	1.00	1.00	0.67	0.43	0.33	1.00	0.49	Poor
84c	62	Garden pond	Yes	14/02/2017	No	1.00	0.05	0.90	0.67	1.00	1.00	0.85	0.85	0.67	0.31	0.59	Average
86b	334	Dond located in corner of field	Yes	06/04/2017	Yes	1.00	0.20	1.00	0.33	0.40	1.00	1.00	0.55	1.00	0.31	0.58	Below Average
86c	5	Pond located in corner of field Walled fish pond with filter	Yes	07/02/2017	No	1.00	0.05	0.90	0.67	1.00	1.00	1.00	1.00	0.33		0.36	Door
90a	21	Woodland pond	Yes	22/02/2017	Yes	1.00				0.80	1.00		0.98	1.00	0.41 0.41		Poor
90a a2	45	Woodland pond Woodland pond	Yes	20/02/2017	Yes	1.00	0.10	1.00	0.33 0.33	0.80	1.00	1.00	0.98	1.00	0.41	0.63	Average Below Average
																	, in the second
D001	179.5	Ditch	Yes	23/02/2017	Yes	1.00	0.80	1.00	0.67	0.60	1.00	1.00	1.00	0.33	0.31	0.71	Good
D004	43.8	Wet ditch	Yes	22/02/2017	No	1.00	0.05	0.10	0.33	1.00	1.00	1.00	0.98	0.67	0.61	0.48	Poor
D038	66	Fast flowing ditch	Yes	03/07/2017	No	FLOWING DI	ITCH - UNSU	JITABLE FO	OR GCN								

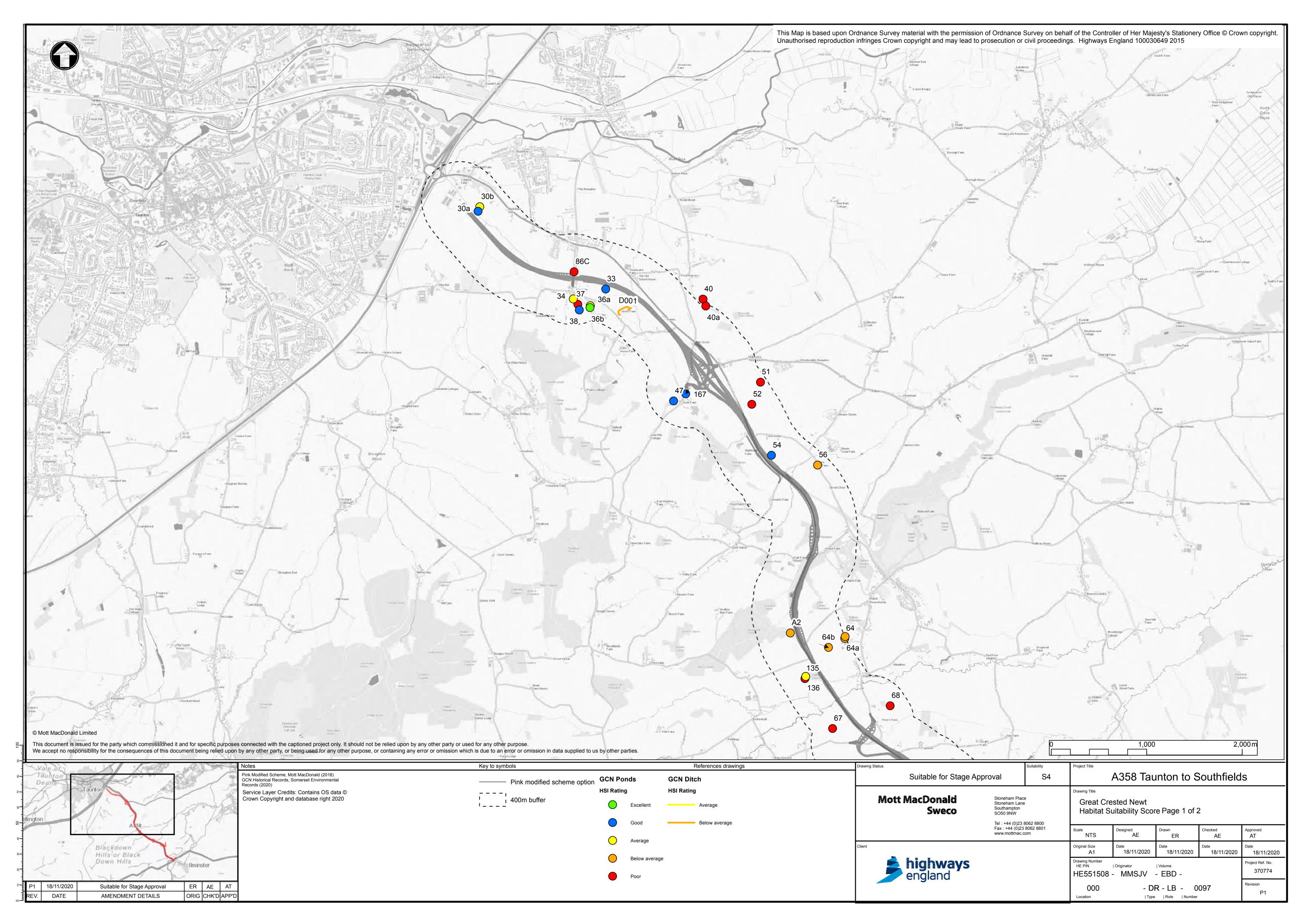
Date         Diff         Diff <thdiff< th="">         Diff         Diff         <thd< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></thd<></thdiff<>							
044     45.0     9km     Yes     0.0110       0543     12     Dy deh     Yes     0.007017     No     0.070171       0543     12     Dy deh     Yes     0.007017     No     0.070171       0543     0.20     Dy deh     Yes     0.0070177     No     0.070171       0543     0.20     Dy deh     Yes     0.0070177     No     0.070171       0543     0.20     Dy deh     Yes     0.0070177     No     0.070171       0543     0.20     Dy deh     Yes     0.0020077     No     0.070171       0544     0.40     Dy deh     Yes     0.0020077     No     0.070171       0545     Dy deh     Yes     0.0020079     No     0.070171     No     0.070171       0551     By     Pallineing dih     Yes     0.002017     No     0.070171     No     0.070171       0562     Outprint     Fast Footng dihn     Yes     0.002017     No     0.070171     No     0.070171       0563     Outprint     NA     Yes     0.002017     No     0.070171     No     0.070171       0564     Outprint     NA     Yes     NoA020258     Yes     1.000000011    <	D039	107	Wet ditch	Yes	22/04/2019	Yes	NO HSI TAKEN BUT eDNA
Display         Day data         Yes         Display         Display <thdisplay< th=""> <thdisplay< th=""> <thdisp< td=""><td>D040</td><td>298</td><td>Dry ditch</td><td>Yes</td><td>Jun-17</td><td>No</td><td>DRY DITCH</td></thdisp<></thdisplay<></thdisplay<>	D040	298	Dry ditch	Yes	Jun-17	No	DRY DITCH
Dias12Dy dataVisaSign2017NoDisDistributionDistributionDy dataVisaASSY2017NoDistributionDistributionDy dataVisa01062017NoDistributionDistributionDy dataVisa01062017NoDistributionDistributionDy dataVisa01062017NoDistributionDistributionDy dataVisa01062017NoDistributionDistributionVisa01062017NoDistributionDistributionDistributionVisa01062017NoDistributionDistributionDistributionNoVisa01062017NoDistributionDistributionDistributionNoNo01062017NoNoCOMING DISTRIBUTION CONTRACTDistributionNoNo01062017NoSiz0PE DISTRIBUTION CONTRACTDistributionNoNoNoNoSizOPE DISTRIBUTION CONTRACTDistributionNoNoNoNoSizOPE DISTRIBUTION CONTRACTDistributionNoNoNoNoSizOPE DISTRIBUTION CONTRACTDistributionNoNoNoNoSizOPE DISTRIBUTION CONTRACTDistributionNoNoNoNoSizOPE DISTRIBUTION CONTRACTDistributionNoNoNoNoSizOPE DISTRIBUTION CONTRACTDistributionNoNoNoNoNoDistribution <td< td=""><td>D041</td><td>245</td><td>Stream</td><td>Yes</td><td>Jun-19</td><td>No</td><td>STREAM</td></td<>	D041	245	Stream	Yes	Jun-19	No	STREAM
Diad         op         displant         Yes         Mode         Mode <t< td=""><td>D042</td><td>132</td><td>Dry ditch</td><td>Yes</td><td>03/07/2017</td><td>No</td><td>DRY DITCH</td></t<>	D042	132	Dry ditch	Yes	03/07/2017	No	DRY DITCH
040604005007 drinVia01002017No087 2017H040715.0Dy drinVie01002017No097 2017H040814.6NAVie01002017NoDy 2017CH040814.6NAVie01002017NoDy 2017CH040814.6NAVie01002017NoNoNo040826.0Fast Towing dishVie01002017NoNoNo040926.0Fast Towing dishVie01002017No1000NG DICT LINSULARIT LOR CAL040026.0Fast Towing dishVie01002017No1000NG DICT LINSULARIT LOR CAL040026.0NAVie01002017No1000NG DICT LINSULARIT LOR CAL040028.0NAVie01002017No1000NG DICT LINSULARIT LOR CAL040029.0NAVie0002017No1000NG DICT LINSULARIT LOR CAL040020.0NAVie0002017No1000NG DICT LINSULARIT LOR CAL040020.0NAVie0002017No1000NG DICT LINSULARIT LOR CAL040020.0NAVie0002017No1000NG DICT LINSULARIT LOR CAL040020.0NAVie0002017No9000NG040020.0NAVie0002017No9000NG040020.0NAVie0002017No9000NG040020.0NAVi	D043	123	Dry ditch	Yes	03/07/2017	No	DRY DITCH
Diele         6 5         Dy ditch         Yes         Mode2017         No         Diry frich           Dirk         15.0         Dy ditch         Yes         Mode3017         No         Diry frich           Dirk         15.10         Na         No Dirk frich         Dirk frich         Dirk frich           Dirk         15.10         No         Dirk frick         Dirk frick         Dirk frick           Dirk         Fast flowing dirk         Yes         Dirk frick         No         Fi Johns DirCh         Lisk Ji Lisk J	D044	97	Dry ditch	Yes	03/07/2017	No	DRY DITCH
DBAF         15.1         Dro drih.         Voc.         DV002017         No         NATUREL         NATUREL </td <td>D045</td> <td>168</td> <td>Dry ditch</td> <td>Yes</td> <td></td> <td>No</td> <td>DRY DITCH</td>	D045	168	Dry ditch	Yes		No	DRY DITCH
Nome 1 1 a. bNome Nome<	D046	65	-	Yes		No	DRY DITCH
Deal         Windowsky method         Desk         Windowsky method         Desk         Disk         Disk <thdisk< th="">         Disk         Disk         <t< td=""><td>D047</td><td>1.5</td><td>-</td><td>Yes</td><td></td><td></td><td>DRY DITCH</td></t<></thdisk<>	D047	1.5	-	Yes			DRY DITCH
Indumin         Indumini         Indumini         Induminia           0000         2000         Fast fouring altch         Yes         0106/2019         No         FLOWING DTICH - UNSUITABLE FOR CON           0001         363         Fast fouring altch         Yes         0106/2019         No         FLOWING DTICH - UNSUITABLE FOR CON           0008         2007         NA         Yes         2006/2017         No         FLOWING DTICH - UNSUITABLE FOR CON           0008         2007         NA         Yes         2006/2017         No         FLOWING DTICH - UNSUITABLE FOR CON           0009         2007         NA         Yes         2006/2017         No         Yes 2007           0009         2007         NA         Yes         No ACCESS         Yes 2007         No         No           0009         Within scheme         NA         Yes         2406/2019         No         No         Northold           0008         30         NA         Yes         2406/2019         No         No         No         No           0080         Yes         2406/2019         No         No         No         No         No         No           0080         Yes         2406/2017	D048						
Dist         Dist <thdist< th="">         Dist         Dist         <thd< td=""><td>D049</td><td></td><td>Dry ditch</td><td>Yes</td><td>01/06/2019</td><td>No</td><td>DRY DITCH</td></thd<></thdist<>	D049		Dry ditch	Yes	01/06/2019	No	DRY DITCH
obs/s         obs/s         obs/s         obs/s         obs/s         commany second sec	D050	260	-	Yes			FLOWING DITCH - UNSUITABLE FOR GCN
Difest         Experime         Vesi         2006/2017         No         LCWING STREAM           D009         2         NA         Vesi         NO ACCESS         Yes 2021           D001         Size         NA         Vesi         NO ACCESS         Yes 2021           D002         Size         NA         Vesi         NO ACCESS         Yes 2021           D004         Within scheme         NA         Vesi         NO ACCESS         Yes 2021           D005         Size         Dividith         Vesi         NO ACCESS         Yes 2021           D006         Within scheme         NA         Vesi         No ACCESS         Yes 2021           D006         Size         Dividith         Yes         Devidith         No         Divisith         No           D006         Size         Dividith         Yes         2400/2017         No         Divisith         Divisith <td< td=""><td>D051</td><td>363</td><td>Fast flowing ditch</td><td>Yes</td><td>01/06/2019</td><td>No</td><td>FLOWING DITCH - UNSUITABLE FOR GCN</td></td<>	D051	363	Fast flowing ditch	Yes	01/06/2019	No	FLOWING DITCH - UNSUITABLE FOR GCN
Dass         2         NA         Ves         NO ACCESS         Ves 202           D000         302         NA         Ves         NO ACCESS         Ves 202           D001         MA         Ves         NO ACCESS         Ves 202           D002         The NAM         Ves         NA         No         SAME DITCH AS D58           D004         Withmen         NA         Ves         D8077017         No         UNSUITABLE TOR SCIN           D005         30         NA         Ves         240682019         No         DRY DITCH           D0067         2         Dry dish         Ves         240682019         No         DRY DITCH           D007         2.5         Dry dish         Ves         240682019         No         DRY DITCH           D007         3.5         Dry dish         Ves         240682019         No         DRY DITCH           D007         3.6         Dry dish         Ves         240682019         No         DRY DITCH           D007         1.6         No         DRY DITCH         No         DRY DITCH           D007         1.6         No         DRY DITCH         No         DRY DITCH           D007	D055	286					
D000         302         N/A         Yes         NO ACCESS         Yes 2021           D064         /K         N/A         Yes         N/A         No         SAME DTCH AS D58           D064         /K         N/A         Yes         N/A         No         SAME DTCH AS D58           D065         30         N/A         Yes         SAG02019         No         DV UNLIF FOR CCN           D066         30         N/A         Yes         SAG02019         No         DV UTCH           D067         2         D7 dish         Yes         SAG02019         No         DV UTCH           D068         Within scheme         D7 dish         Yes         S0092017         No         DV UTCH           D069         188         N/A         Yes         20092017         No         DV UTCH           D071         7         N/A         Yes         20092017         No         DV UTCH           D072         146           DV         DV UTCH         DV UTCH           D074         37         Dry dish         Yes         20092017         No         DV UTCH           D074         Dry dish         Yes         20092017         <	D058	footprint	-				FLOWING STREAM
DN92         Z         N/A         Yes         NO ACCESS         Yes 202           Dop/min         NA         Yes         N/A         No         SAALE DITCH AS D58           Dop/min         NA         Yes         24062019         No         DRY DITCH           D067         2         Dop dish         Yes         24062019         No         DRY DITCH           D068         Min         Yes         24062019         No         DRY DITCH           D069         168         NA         Yes         29092017         No         DRY DITCH           D070         3.5         Dry dish         Yes         29092017         No         DRY DITCH           D071         7         N/A         Yes         29092017         No         DRY DITCH           D072         146         -         -         -         DRY DITCH           D073         147         Dry dish         Yes         24062019         No         DRY DITCH           D074         37.1         Dry dish         Yes         24062019         No         DRY DITCH           D075         Min schume         Dry dish         Yes         24062019         No         DRY DITCH	D059	2		Yes			
D064         Within scheme         NA         Yes         NA         No         SAME DITCH AS DS8           D065         30         NA         Yes         90072017         No         UNUTABLE FOR GCN           D072         2         Dry dich         Yes         24/06/2019         No         DRY DITCH           D088         Within scheme         Dry dich         Yes         24/06/2019         No         DRY DITCH           D089         188         NA         Yes         24/06/2019         No         DRY DITCH           D089         188         NA         Yes         24/06/2017         No         DRY DITCH           D070         3.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D071         7         NA         Yes         24/06/2019         No         DRY DITCH           D072         44         5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D074         4.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D075         Within scheme         Dry dich         Yes         24/06/2019         No         DRY DITCH	D060			Yes			
fospinit         Income         Income         Income         Income           D665         0         NA         Yes         06072017         No         UNSUITABLE FOR CCN           D667         2         by dich         Yes         24062019         No         DRY DITCH           D668         Withsheme         Dy dich         Yes         24062019         No         DRY DITCH           D670         3.5         Dry dich         Yes         20072017         No         UNSUITABLE FOR CCN           D771         7         NA         Yes         20072017         No         UNSUITABLE FOR CCN           D772         5         NA         Yes         20092017         No         UNSUITABLE FOR CCN           D773         7         Vy dich         Yes         20092017         No         UNSUITABLE FOR CCN           D774         77         70         Vy dich         Yes         20092017         No         UNSUITABLE FOR CCN           D775         8         Dry dich         Yes         20092017         No         UNSUITABLE FOR CCN           D775         Vy dich         Yes         24062019         No         DRY DITCH           D79         Vicin <td>D062</td> <td></td> <td></td> <td>Yes</td> <td></td> <td></td> <td></td>	D062			Yes			
Dear         Dy dich         Yes         2406/2019         No         DRY DICH           B088         Minsshere bodprint         Dry dich         Yes         2406/2019         No         DRY DICH           D070         3.5         Dry dich         Yes         2406/2019         No         DRY DICH           D071         3.5         Dry dich         Yes         2406/2019         No         DRY DICH           D071         7         N/A         Yes         2406/2019         No         DRY DICH           D072         14         Dry dich         Yes         2406/2019         No         DRY DICH           D074         3.7         Dry dich         Yes         2406/2019         No         DRY DICH           D074         5.0         Dry dich         Yes         2406/2019         No         DRY DICH           D075         Within scheme Dry dich         Yes         2406/2019         No         DRY DICH           D075         Vithin Scheme Dry dich         Yes         2406/2019         No         DRY DICH           D076         Dry dich         Yes         2406/2019         No         DRY DICH           D08         215         Dry dich         Yes	D064		N/A	Yes	N/A	No	SAME DITCH AS D58
D088         Within Scheme         Ory ditch         Yes         2406/2019         No         DRV DTCH           D069         188         N/A         Yes         2606/2019         No         DRV DTCH           D070         1.5         Dry ditch         Yes         2007/2017         No         DRV DTCH           D071         7         N/A         Yes         2007/2017         No         DRV DTCH           D072         146         -         -         -         -           D074         377         Dry ditch         Yes         2009/2019         No         DRV DTCH           D074         447         Dry ditch         Yes         2009/2019         No         DRV DTCH           D075         Within Scheme         Dry ditch         Yes         2006/2019         No         DRV DTCH           D078         4.5         Dry ditch         Yes         2406/2019         No         DRV DTCH           D078         6.6         Isolated ditch         Yes         2406/2019         No         DRV DTCH           D078         240         Dry ditch         Yes         2406/2019         No         DRV DTCH           D080         254         D	D065			Yes			UNSUITABLE FOR GCN
locupint	D067	-	-	Yes			
Defe         NA         Yes         2009/2019         No         UNSUTTABLE FOR GCM           D070         3.5         Dy dich         Yes         2009/2017         No         UNSUTTABLE FOR GCM           D071         7         N/A         Yes         2009/2017         No         UNSUTTABLE FOR GCM           D074         3.7         Dry dich         Yes         2009/2017         No         UNSUTTABLE FOR GCM           D074         3.77         Dry dich         Yes         24/06/2019         No         DRY DITCH           D075         Within schem         Dry dich         Yes         24/06/2019         No         DRY DITCH           D076         4.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D078         24.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D080         24.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D081         21.6         Dry dich         Yes         24/06/2019         No         DRY DITCH           D082         23.0         Dry dich         Yes         24/06/2019         No         DRY DITCH	D068		Dry ditch	Yes	24/06/2019	No	DRY DITCH
D071         7         NA         Yes         20/09/2017         No         UNSUITABLE FOR GCN           D072         146	D069		N/A	Yes	29/09/2019	No	UNSUITABLE FOR GCN
D072         146         res         res <td>D070</td> <td>3.5</td> <td>Dry ditch</td> <td>Yes</td> <td>20/07/2017</td> <td>No</td> <td>DRY DITCH</td>	D070	3.5	Dry ditch	Yes	20/07/2017	No	DRY DITCH
D074         377         Dy dich         Yes         24/06/2019         No         DRY DITCH           D075         Within scheme fodprint         Dry dich         Yes         21/09/2017         No         DRY DITCH           D078         4.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D078         4.5         Dry dich         Yes         24/06/2019         No         DRY DITCH           D078         266         Isolated ditch         Yes         24/06/2019         No         DRY DITCH           D080         254         Dry dich         Yes         24/06/2019         No         DRY DITCH           D081         215         Dry dich         Yes         24/06/2019         No         DRY DITCH           D082         180         Dry dich         Yes         24/06/2019         No         DRY DITCH           D084         220         Dry dich         Yes         24/06/2019         No         DRY DITCH           D084         221         Dry dich         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry dich         Yes         24/06/2019         No         DRY DITCH <td>D071</td> <td>1</td> <td>N/A</td> <td>Yes</td> <td>29/09/2017</td> <td>No</td> <td>UNSUITABLE FOR GCN</td>	D071	1	N/A	Yes	29/09/2017	No	UNSUITABLE FOR GCN
Within scheme footprint         Dry ditch         Yes         21/09/2017         No         DRY DITCH           0075         4.5         Dry ditch         Yes         26/06/2019         No         DRY DITCH           0078         4.5         Dry ditch         Yes         24/06/2019         No         SCOPED OUT - ISOLATED DITCH           0080         254         Dry ditch         Yes         24/06/2019         No         DRY DITCH           0081         215         Dry ditch         Yes         24/06/2019         No         DRY DITCH           0082         2160         Dry ditch         Yes         24/06/2019         No         DRY DITCH           0083         279         Dry ditch         Yes         24/06/2019         No         DRY DITCH           0084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           0085a         3         N/A         Yes         24/06/2019         No         DRY DITCH           0085a         3         N/A         Yes         24/06/2019         No         DRY DITCH           0085a         3         N/A         Yes         19/09/2017         No         DRY DITCH	D072						
footprint         footprint <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></t<>			-				
D079         266         Isolated ditch         Yes         24/06/2019         No         SCOPED OUT - ISOLATED DITCH           D080         254         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D081         215         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D082         180         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D083         279         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D086         232         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D086         232         F         F         F         F         F           D086         232         F         F         F         F         F           D087         85         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D089         0.	D075		Dry ditch	Yes	21/09/2017	No	DRY DITCH
D080         254         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D081         215         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D082         180         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D083         279         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D0863         93         N/A         Yes         24/06/2019         No         DRY DITCH           D0864         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D086         32         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D087         85         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D088         4         Dry ditch         Yes         01/09/2017         No         DRY DITCH           D	D078	4.5	-			No	DRY DITCH
D081         215         Dy ditch         Yes         24/06/2019         No         DRY DITCH           D082         180         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D086         232                 D086         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D086         232                 D086         232           19/09/2017         No         DRY DITCH            D088         0.5         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D090         <							SCOPED OUT - ISOLATED DITCH
D082         180         Dy ditch         Yes         24/06/2019         No         DRY DITCH           D083         279         Dy ditch         Yes         24/06/2019         No         DRY DITCH           D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         NO DITCH           D086         232                D087         85         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D088         4         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D089         0.5         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D080         8          Dry ditch         Yes         24/06/2019         No         DRY DITCH           Steneme footprint	D080		-	Yes			
D083         279         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D0853         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D0854         93         N/A         Yes         24/06/2019         No         DRY DITCH           D0856         93         N/A         Yes         24/06/2019         No         NO UTCH           D0866         232            Model         No         DRY DITCH           D087         85         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D088         4         Dry ditch         Yes         19/09/2017         No         DRY DITCH           D089         0.5         Dry ditch         Yes         01/09/2017         No         DRY DITCH           D080         0.5         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D091         scheme footprint         Dry ditch         Yes         19/09/2017         No         DRY DITCH	D081		-				
D084         282         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D085a         93         N/A         Yes         24/06/2019         No         DRY DITCH           D086         232         Image: Constraint of the state of the stat	D082			Yes			
D085         3         Dry ditch         Yes         24/06/2019         No         DRY DITCH           D086         93         N/A         Yes         24/06/2019         No         NO DITCH           D086         232         Image: Constraint of the state of	D083		-				
D085a93N/AYes24/06/2019NoNO DITCHD086232D08785Dry ditchYes19/09/2017NoDRY DITCHD0884Dry ditchYes19/09/2017NoDRY DITCHD0890.5Dry ditchYes01/09/2017NoDRY DITCHD0890.5Dry ditchYes01/09/2017NoDRY DITCHD090Within the scheme footprintDry ditchYes24/06/2019NoDRY DITCHD091SenseSense(sam eas pond 87)Pry ditchYes19/09/2017No same as 87DRY DITCHD09319.5Dry ditchYes5/07/2017NoPRY DITCHD09419.5NrAYes5/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095187N/AYes05/07/2020NoUNSUITABLE FOR GCND09945Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN			-				
D086232Image: state of the state of			-				
D08785Dry ditchYes19/09/2017NoDRY DITCHD0884Dry ditchYes19/09/2017NoDRY DITCHD0890.5Dry ditchYes01/09/2017NoDRY DITCHD090Within the footprintDry ditchYes01/09/2017NoDRY DITCHD091Scheme footprintDry ditchYes24/06/2019NoDRY DITCHD091Scheme footprintDry ditchYes19/09/2017No same as 87DRY DITCHD09319.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND094347N/AYes05/07/2020NoUNSUITABLE FOR GCND09945Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN			N/A	Yes	24/06/2019	No	NO DITCH
D0884Dry ditchYes19/09/2017NoDRY DITCHD0890.5Dry ditchYes01/09/2017NoDRY DITCHD090Within the scheme footprintDry ditchYes24/06/2019NoDRY DITCHD091Dry ditchYes19/09/2017No same as 87DRY DITCHD09319.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095187N/AYes05/07/2020NoUNSUITABLE FOR GCND096347N/AYes05/07/2020NoUNSUITABLE FOR GCND09945Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN							
D0890.5Dry ditchYes01/09/2017NoDRY DITCHD090Within the scheme footprintDry ditchYes24/06/2019NoDRY DITCHD091Opy ditchPry ditchYes19/09/2017No same as 87DRY DITCH(same as pond 87)Bry ditchYes19/09/2017No same as 87DRY DITCHD09319.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095187N/AYes05/07/2019NoUNSUITABLE FOR GCND096347N/AYes05/07/2020NoUNSUITABLE FOR GCND09945Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN	D087		-				
D090 scheme footprintWithin the scheme footprintDry ditchYes24/06/2019NoDRY DITCHD091 (same as pond 87)Dry ditchYes19/09/2017No same as 87DRY DITCHD093 19.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095 0096187N/AYes05/07/2019NoUNSUITABLE FOR GCND096 0096347N/AYes05/07/2020NoUNSUITABLE FOR GCND099 45Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN		•	-				
scheme footprintSynthetSee See See See See See See See See See			-				
footprintfootprintinininininD091 (same as pond 97)Pry ditchYes19/09/2017No same as 87DY DITCH as 87D093 19.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095 187187N/AYes05/07/2019NoUNSUITABLE FOR GCND096 199347N/AYes05/07/2020NoUNSUITABLE FOR GCND097 19945Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN	D090		Dry ditch	Yes	24/06/2019	No	DRY DITCH
D091 (same as pond 87)Dry ditchYes19/09/2017No same as 87DRY DITCH as 87D093 19.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095 187N/AYes05/07/2019NoUNSUITABLE FOR GCND096 099347N/AYes05/07/2020NoUNSUITABLE FOR GCND099 45Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN							
D09319.5Dry ditchYes05/07/2017NoPARTIALLY DRY - UNSUITABLE FOR GCND095187N/AYes05/07/2019NoUNSUITABLE FOR GCND096347N/AYes05/07/2020NoUNSUITABLE FOR GCND09945Dry ditchYes05/07/2020NoUNSUITABLE FOR GCN	D091 (same as		Dry ditch	Yes	19/09/2017		DRY DITCH
19.519	pond 87) D093		Dry ditch	Yes	05/07/2017	No	PARTIALLY DRY - LINSUITABLE FOR GCN
D096         347         N/A         Yes         05/07/2020         No         UNSUITABLE FOR GCN           D099         45         Dry ditch         Yes         05/07/2020         No         UNSUITABLE FOR GCN			-				
D099     45     Dry ditch     Yes     05/07/2020     No     UNSUITABLE FOR GCN							
D100   79   Dry ditch   Yes   01/06/2017   No   DRY DITCH			-				
	D100	79	Dry ditch	Yes	01/06/2017	No	IDRY DITCH

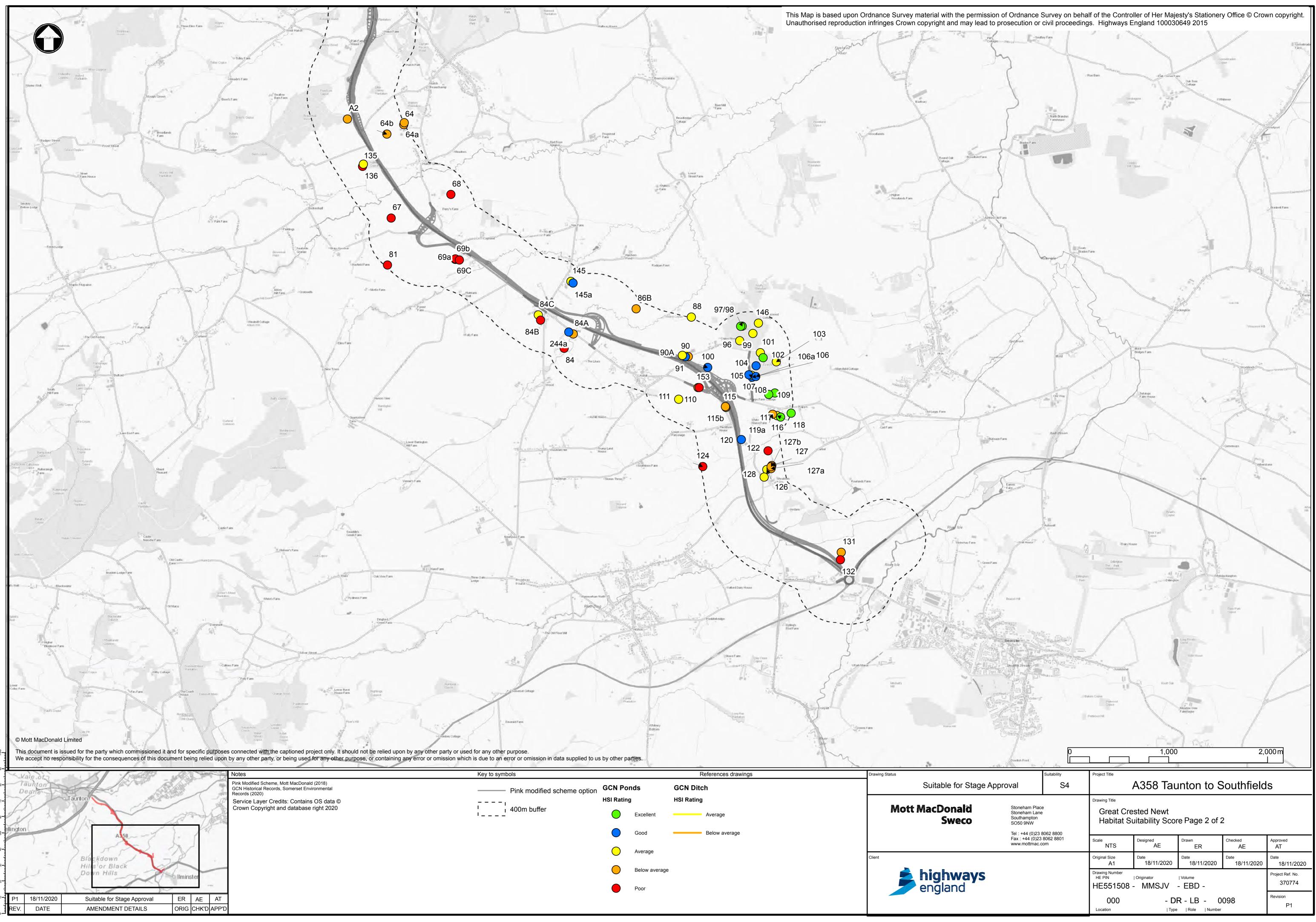

D101	109	Dry ditch	Yes	01/07/2017	No	DRY DITCH								
D106	386	Dry ditch	Yes	19/09/2017	No	DRY DITCH								
D107	65	N/A	Yes	29/09/2017	No	UNSUITABLE	FOR GCN							
D109	217	Dry pond	Yes	24/06/2019	No	DRY POND								
D110	273	Dry pond	Yes	24/06/2019	No	DRY POND								
D111	Unknown	Dry pond	Yes	24/06/2019	No	DRY POND								
D112	Unknown	Dry pond	Yes	24/06/2019	No	DRY POND								
167	48	Farmland pond	Yes	24/06/2019	Yes	1.00	157.00	1.00	0.33	0.70	1.00	0.67	1.00	Ī

1.00	0.36	0.73	Good
•		•	•



### **Appendix D: HSI results map**





Average		



## Appendix E: Summary of survey data

			Total adult			Total adult			Total adult			Total adult			Total adult			Total adult
	Survey 1	GCN	count of survey	Survey 2	Survey 2	count of survey		Survey 3	count of survey	Survey 4	Survey 4	count of	Survey 5	Survey 5	count of survey	Survey 6	Survey 6	count of survey
Water Course ID	Date	(Y/N)	visit	Date	(Y/N)	visit	Survey 3 Date	(Y/N)	visit	Date	(Y/N)	visit	Date	(Y/N)	visit	Date	(Y/N)	visit
22																		
28																		
29													-					
31																-		
32	22.02.2017			04.04.2017	NI	0	24.04.2017	NI	0	17.05.0017	NI			-			-	
33 34	23.03.2017	N		04.04.2017	N	0	24.04.2017	N	0	17.05.2017	N	C	,					
35			_														_	
37														-				-
	22.3.2017	N	0	05.04.2017	N	0	08.04.2017	N	0	10.5.2017	N							
40	22.3.2017			03.04.2017		0	00.04.2017		0	10.3.2017								
47																		
51																		
52																		
	21.03.2017	N	C	10.4.2017	Y	11	24.04.2017	Y	13	04.05.2017	γ	7	/ 11.05.2017	Y	13	31.05.2017	Y	8
55																		
56																		
60																		
61																		
64																		
65																		
67																		
68																		
70																		
72																		
80																		
81																		
82																		
83																		
84																		
85																		
		Ν			Ν			N	0	08.05.2017	N	0	)					
		N	C		N		09.05.2017	N	0								_	
	23.03.2017	Ν	C	) 19.04.2017	N	0	09.05.2017	Ν	0	31.05.2017								
92																-		
93			_														_	
94														-				-
95 96																		
96 96a																		
90a 97 and 98 (joined)																		
97 and 98 (joined) 99																		
100																		
100																		
101																		
102																		
100																		
105											_	-						

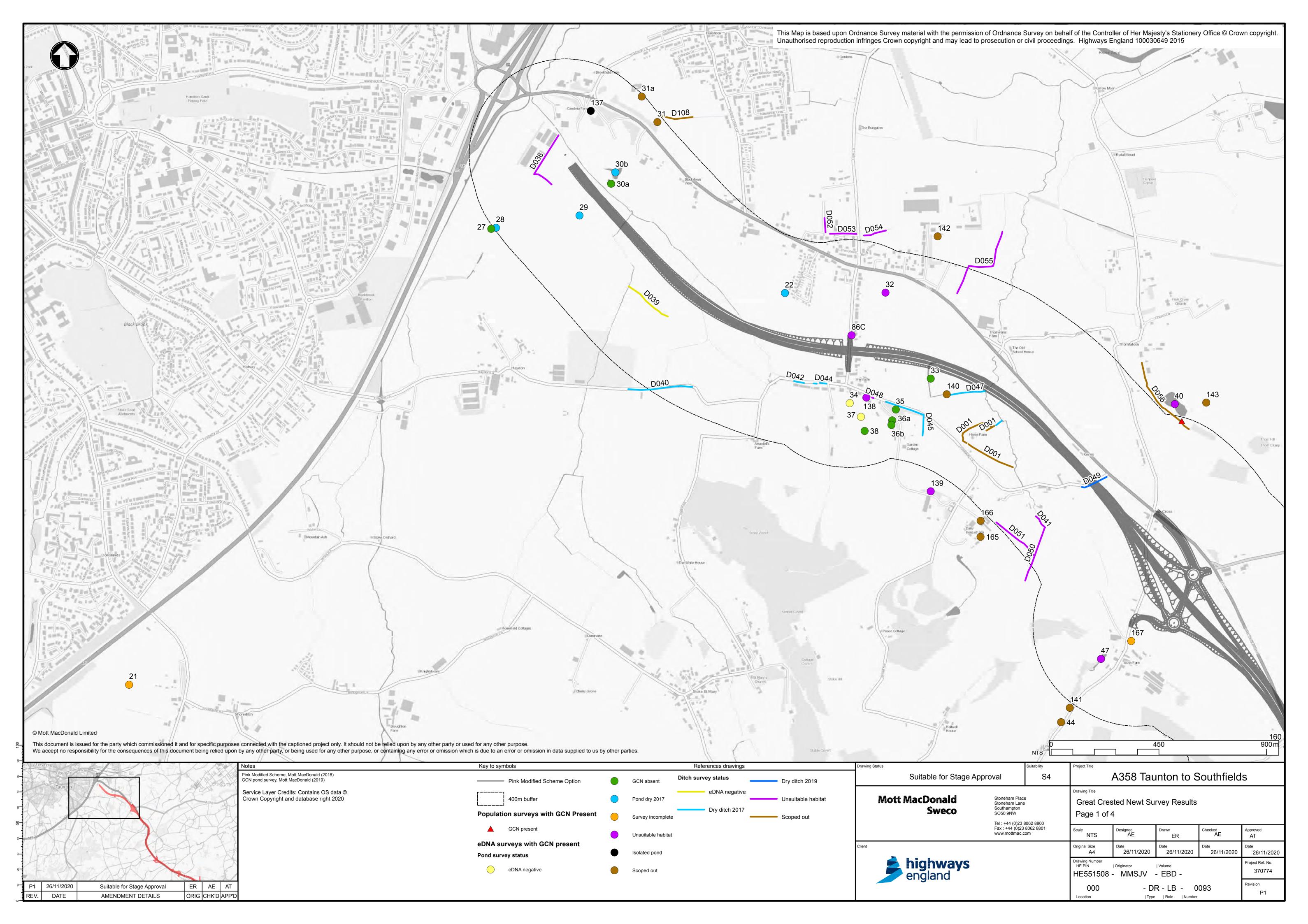
106														
106a														
107 108														
109	14.04.0017		0 04 05 0017			1/ 05 0017	NI	0	21 05 0017	NI				
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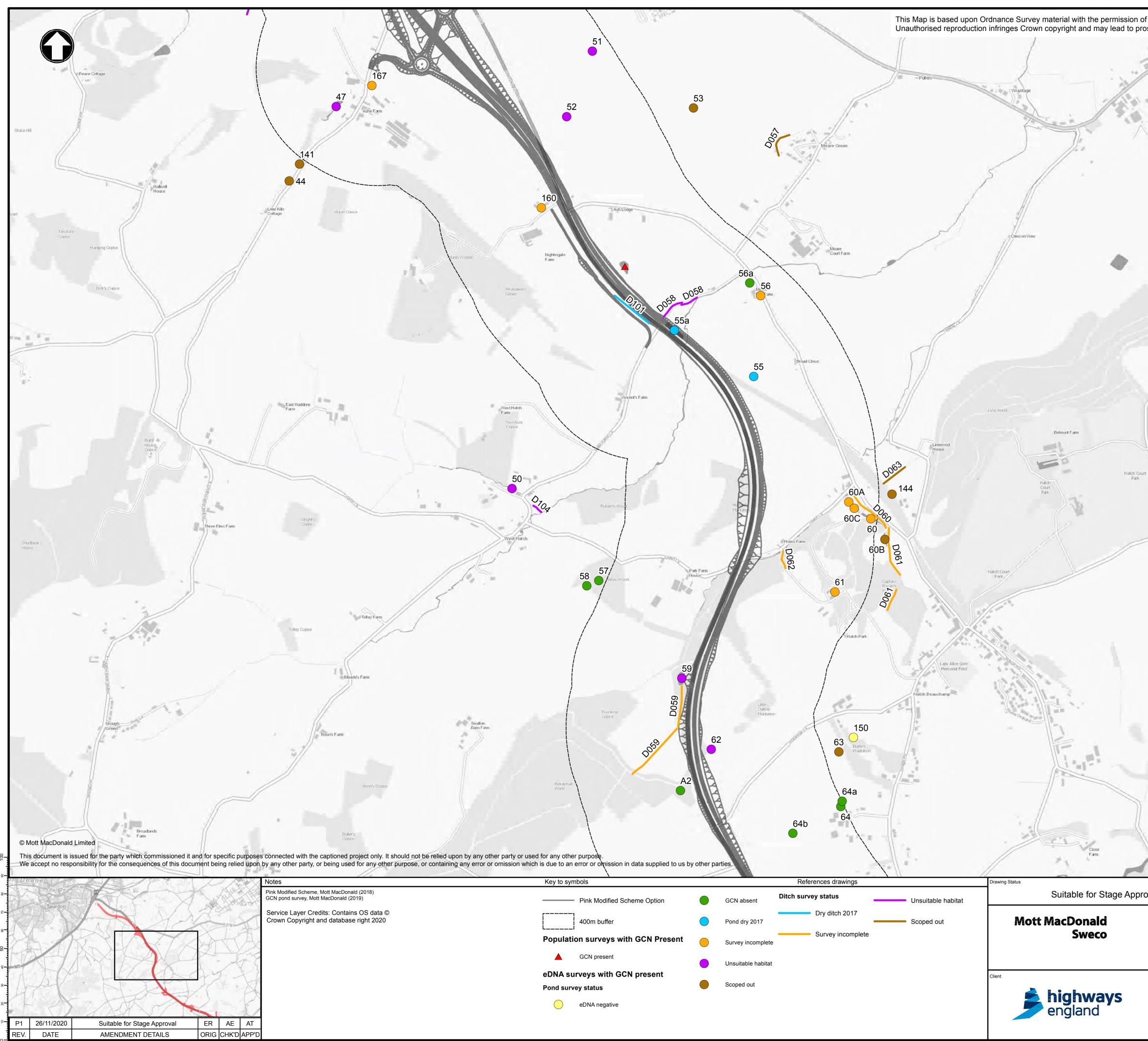
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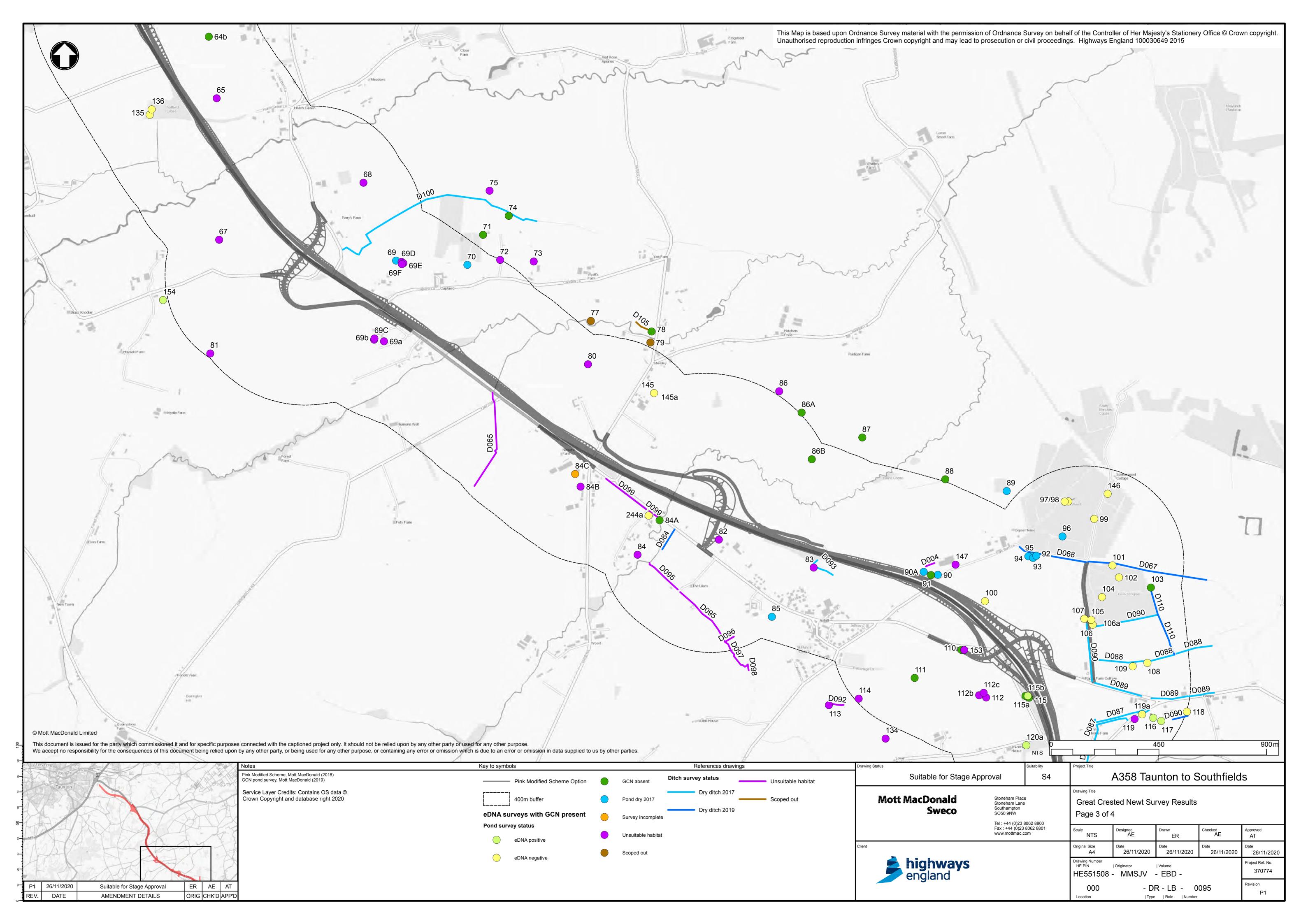


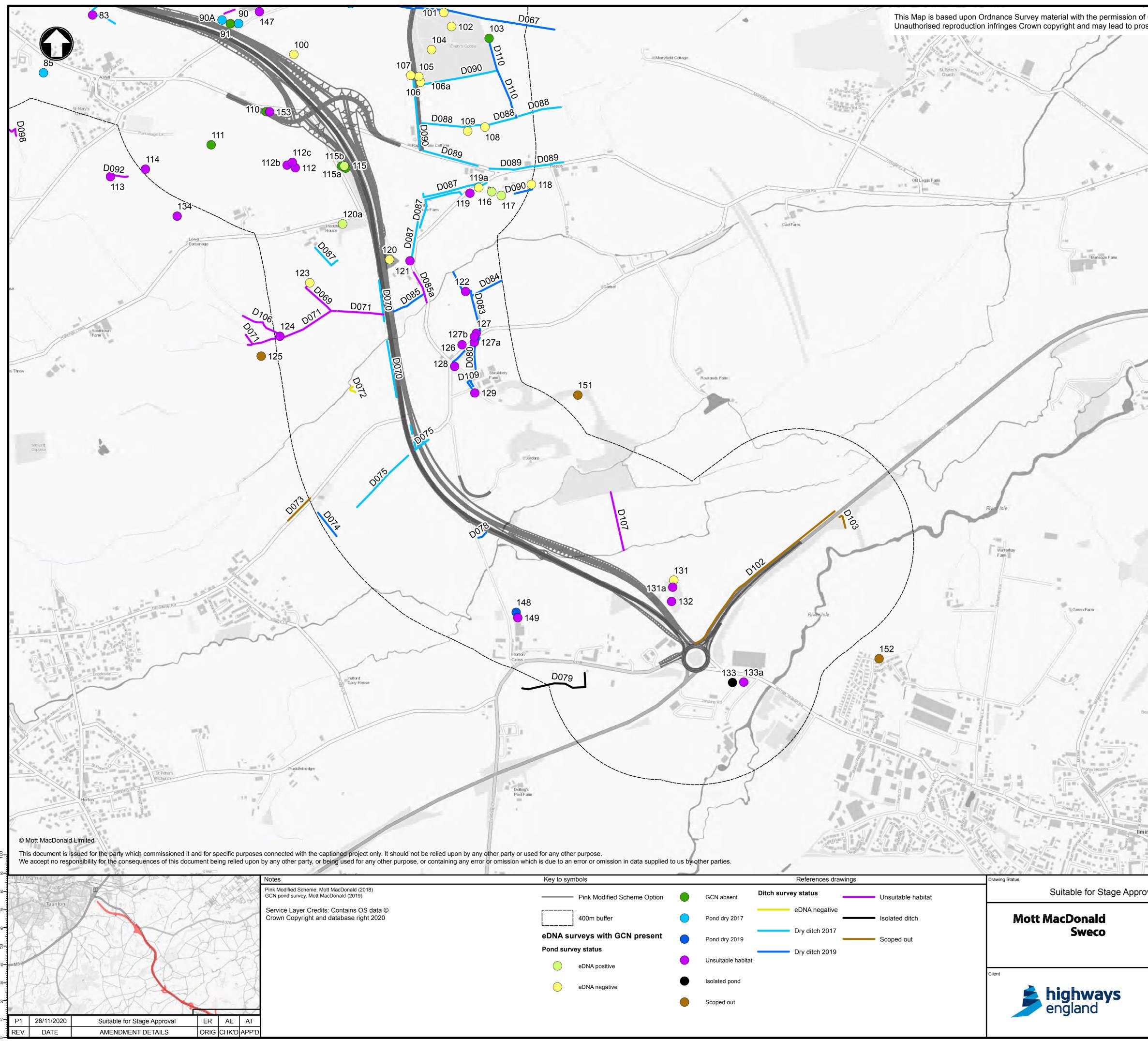
## Appendix F: Summary of survey data map





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		NTS Original Size A4	AE Date 26/11/2020	ER Date 26/11/2020	AE Date 26/11/2020	AT Date 26/11/2020
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	HE PIN		Volume - EBD -		370774
	000			096	Revision



# **Appendix G: Survey proformas**

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	D_AA1_AA2_3	3_220317	Land Parce	I Reference	ST31	6480	Date	22/03/2017	Visit Number	1
Pond Ecol	logy ID		33		Easti	ng (X)	327	286	North	ing (Y)	123	635
Surveyo	or(s)						RM & LN				-	
Weather Co (Descrip		Calm	and cool - rece	nt rain		Cover ain		2	W	ind	(	)
Air Temper Time of Torc			6		Minimum Tempera	Overnight ture (°C)	:	3	Torch	Power	1,000	0,000
Turbid	lity		0		Vegetati	on Cover	:	3		Margin sible (%)	6	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	18:45 19:00	Number of	Yes traps used	20		Yes			Xaa	N
		Sex/life stage	10.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	N/A
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	N/A
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		lo			egg search)	
Common Toad		0	(	)	Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	D_AA1_AA2_3	3_040417	Land Parce	I Reference	ST31	16480	Date	04/04/2017	Visit Number	2
Pond Ecol	logy ID		33		Easti	ng (X)	327	286	North	ing (Y)	123	635
Surveyo	or(s)						RM + FS				-	
Weather Co (Descrip			Warm dry			Cover ain		20	W	ind		)
Air Temper Time of Torc			11		Minimum Tempera	Overnight ature (°C)	4	4	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	:	2		Margin sible (%)	5	0
Survey Methods		Torching		I	Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	20:00 20:30	Number of	Yes traps used	20		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	INO	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
Smooth Newt	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
Palmate Newt	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
Species	μĄ	ults	Juve	niles	Tadr	ooles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		ło			egg search)	
Common Toad	(	0	(	)	Ν	lo	Ν	ło				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST31	16480	Date	25/04/2017	Visit Number	3
Pond Ecol	logy ID		33		Easti	ng (X)	327	7286	North	ing (Y)	123	635
Surveyo	or(s)				-		CW + FS				-	
Weather Co (Descrip			No rain, cold.			Cover ain		4 0	w	ind		1
Air Temper Time of Torc			4		Minimum Tempera	Overnight ature (°C)	:	2	Torch	Power	1,000	0,000
Turbid	lity		3		Vegetati	on Cover		4		Margin sible (%)	2	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:00 21:30	Number of	Yes traps used	7		No			) ( a c	Ne
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		٩o		bottle-trap,	egg search) rox 2/3 since la	
Common Toad		0 0			N	lo	٢	ю				
Other Amphibian (state)		0	(	)	N	lo	Ν	ю	Photo Refere	nces		
					-							
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST31	6480	Date	17/05/2017	Visit Number	4
Pond Ecol	logy ID		Pond 33		Easti	ng (X)	327	286	North	ing (Y)	123	635
Surveyo	or(s)						AJ & CK		-		-	
Weather Co (Descrip			overcast			Cover ain		3 0	W	ind	:	2
Air Tempera Time of Torc			12		Minimum Tempera	Overnight ture (°C)	1	0	Torch	Power	1,000	0,000
Turbid	lity		3		Vegetati	on Cover				Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	I		Netting			Egg Search	Refuge Search
Used	Start time Finish time	No (24 hours) e (24 hours)	00:00	Number of	No traps used			No			No	No
		Sex/life stage			Sex/life stage			Sex/life stage	•	(using any		NO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Smooth Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Smooth or Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch,
Common Frog	N	/A	N	/A						bottle-trap,	egg search) T SURVEY AG	
Common Toad	N	N/A N/A										
Other Amphibian (state)	Amphibian N/A N/A								Photo Refere Photos will be pictures.		veekend when I	can upload
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST204055	5_AA1_AA2_3	3_220317	Land Parce	I Reference	ST20	04055	Date	22/03/2017	Visit Number	1
Pond Ecol	logy ID		38		Easti	ng (X)	327	7019	North	ing (Y)	123	372
Surveyo	or(s)						JG +AM				-	
Weather Co (Descrip			Calm and cool			Cover ain		20	W	ind		)
Air Temper Time of Torc			8		Minimum Tempera	Overnight ture (°C)	4	5	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	18:30 20:00	Number of	Yes traps used	30		Yes			Yee	No.
		Sex/life stage	20.00		Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	9	6	1	0	0	0	0	0	0
Palmate Newt	0	0	0	8	29	1	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		10	Central island	bottle-trap,	egg search)	
Common Toad	0			)	Ν	lo	Ν	ю				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	ło	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID	ST204055	5_AA1_AA2_38	3_050417	Land Parce	I Reference	ST20	04055	Date	05/04/2017	Visit Number	2
Pond Ecol	logy ID		38		Easti	ng (X)	327	019	North	ing (Y)	123	372
Surveyo	or(s)						DBI + LN					
Weather Co (Descrip			Warm and dry			Cover ain		3 0	W	ind		I
Air Tempera Time of Torc			13		Minimum Tempera	Overnight ature (°C)	Ú	6	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:50 20:10	Number of	Yes traps used	30		Yes			Mark	N
		Sex/life stage	20.10		Sex/life stage			Sex/life stage	1	(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	N/A
Smooth Newt	0	0	0	5	2	2	0	0	0	0	0	N/A
Palmate Newt	0	0	0	31	35	1	1	2	0	0	0	N/A
Smooth or Palmate Newt	0	3	0	0	0	0	0	0	0	0	0	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		es	· · ·	lo			egg search)	
Common Toad		0	(	)	N	lo	Ν	lo				
Other Amphibian (state)		0	(	)	N	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST204055	5_AA1_AA2_38	3_180417	Land Parce	I Reference	ST20	04055	Date	18/04/2017	Visit Number	3
Pond Ecol	logy ID		38		Easti	ng (X)	327	019	North	ing (Y)	123	372
Surveyo	or(s)						CW & AM					
Weather Co (Descrip		coc	I and some clo	uds		Cover ain		3 0	w	ind		I
Air Temper Time of Torc			8		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:40 21:00	Number of	Yes traps used	30		No			Maria	N.,
		Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	3	0	0	4	2	2	N/A	N/A	N/A	0	0	N/A
Palmate Newt	2	0	0	22	23	7	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	3	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		lo			egg search)	
Common Toad	(	0	(	)	Ν	lo	N	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST 20	04055	Date	10/05/2017	Visit Number	4
Pond Ecol	logy ID		38		Easti	ng (X)	327	019	North	ing (Y)	123	372
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip		h	ot, clear evenin	g		Cover ain	(	) 0	Wi	ind	(	)
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)	ł	8	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover		5		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		yes (24 hours) e (24 hours)	22:40 23:00	Number of	Yes traps used	30		No				
		Sex/life stage	20.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Smooth Newt	2	4	0	5	0	0	N/A	N/A	N/A	N/A	0	0
Palmate Newt	2	0	0	6	14	0	N/A	N/A	N/A	N/A	0	0
Smooth or Palmate Newt	0	5	0	1	0	0	N/A	N/A	N/A	N/A	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0	(			lo	· · ·	lo	No refugia to s	bottle-trap,	egg search)	
Common Toad		0	(	)	Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	N	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST151582	_ST45806	Date	21/03/2017	Visit Number	1
Pond Ecol	logy ID		54		Easti	ng (X)	327	'388	North	ing (Y)	122	614
Surveyo	or(s)						DBI CW				-	
Weather Co (Descrip			Rain, mild			Cover ain		B 3	W	ind		2
Air Tempera Time of Torc			6		Minimum Tempera	Overnight ture (°C)	:	2	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover	(	0		Margin sible (%)	6	0
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	20:00 20:40	Number of	Yes traps used	20		No			Yes	Yes
		Sex/life stage			Sex/life stage	J		Sex/life stage		(using any	res	res
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Species	bA	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		0		10			egg search)	
Common Toad	non				Ν	0	Ν	10				
Other Amphibian (state)		0	(	0	Ν	0	Ν	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST151582	& ST45806	Date	10/04/2017	Visit Number	2
Pond Ecol	logy ID		54		Easti	ng (X)	327	7388	North	ing (Y)	122	614
Surveyo	or(s)				-		MC & LN & TJ					
Weather Co (Descrip			Dry			Cover ain		2	w	ind	:	2
Air Temper Time of Torc			8			Overnight ature (°C)		7	Torch	Power	1,000	),000
Turbid	lity		2		Vegetati	on Cover		0		Margin sible (%)	2	0
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	08:30 08:45	Number of	Yes traps used	20		No				
		Sex/life stage		-	Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	11	5	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Smooth Newt	0	0 0 0		0	0	N/A	N/A	N/A	N/A	0	0	
Palmate Newt	10	5	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Species	hΔ	ults	Juve	niles	Tadr	ooles	Sn	awn	Comments	(incl_iustificati	ion for deviation	from torch
Common Frog		0		)		10		10			egg search)	
Common Toad		0	(	)	N	10	N	10				
Other Amphibian (state)		0	(	)	N	10	N	10	Photo Refere	nces		
									Are fur	ther surveys n	needed?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	ID <sup>1</sup>	ST151	582_AA1_54_2	240417	Land Parce	I Reference	ST15	51582	Date	24/04/2017	Visit Number	3
Pond Ecole	ogy ID		54		Easti	ng (X)	327	7388	North	ing (Y)	122	614
Surveyo	or(s)						CW + FS		-		-	
Weather Cor (Descript		Ove	ercast + light dri	zzle		Cover ain		8	w	ind	:	2
Air Tempera Time of Torcl			9		Minimum Tempera	Overnight ature (°C)		6	Torch	Power	1,000	0,000
Turbidi	ity		2		Vegetati	on Cover		1		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used	Start time Finish time		21:20 21:45	Number of	Yes traps used	20		No			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	res	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	11	1	0	1	2	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	3	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	1	3	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Adu	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog											egg search)	
Common Toad												
Other Amphibian (state)									Photo Refere	nces <sup>2</sup>		
<sup>1</sup> Either HS2 ecolog <sup>2</sup> Photo reference f ParcelCode_Surve	ollows file nam yType_Feature	ing convention eCode_DateOf	of Survey(DDMM)	YY)_DataForm								
digits of the unique P2, P3 etc in the D enter N/A in the Ph	ataFormat+Ph	otoNumber sec	ction. Individual	photos to be s	eparated with a	a comma. If no	photographs w		Are fur	ther surveys n	eeded?	Yes

				A	AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID	ST153469_	AH1_06022	017_Pond 4	Land Parce	I Reference	ST4	5806	Date	04/05/2017	Visit Number	4
Pond Ecol	logy ID		pond 54		Easti	ng (X)	327	7388	North	ing (Y)	122	614
Surveyo	or(s)						RW, DL				-	
Weather Co (Descrip		s	still, mild, cloud	ý		Cover ain		4 0	W	ind		3
Air Temper Time of Torc			11		Minimum Tempera	Overnight ture (°C)		6	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover	:	2		Margin sible (%)	9	0
Survey Methods		Torching		ļ	Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes e (24 hours) e (24 hours)	20:50 21:05	Number of	Yes traps used	20		No				
	1 111011 1111	Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	3	1	0	2	1	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	3	1	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	6	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		ło		bottle-trap,	egg search) below the bank	
Common Toad		0	(	)	Ν	lo	r	ю				
Other Amphibian (state)		0	(	)	N	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST15	51582	Date	10/05/2017	Visit Number	5
Pond Ecol	logy ID		54		Easti	ng (X)	327	7388	North	ing (Y)	122	614
Surveyo	or(s)						LB,CK AND LN	1	_		-	
Weather Co (Descrip		(	Clear and Cold			Cover ain		1	Wi	ind		)
Air Temper Time of Torc			10		Minimum Tempera	Overnight ature (°C)		6	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	:	2		Margin sible (%)	1	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:45 22:20	Number of	Yes traps used	20		No				
		Sex/life stage	LL.LU	-	Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method)		
Great Crested Newt	8	5	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	14	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	15	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		D	(			lo		10	Egg searching concentration	bottle-trap, difficult due to of bottles in rel	egg search) steep banks. L ation to size of	ow
Common Toad		0 0			Ν	lo	٢	ю	Danks make it	unsafe to depl	oy bottles.	
Other Amphibian (state)		0	(	)	N	lo	Ν	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST 4	5806	Date	31/05/2017	Visit Number	6
Pond Ecol	ogy ID		54		Easti	ng (X)	327	'388	North	ing (Y)	122	614
Surveyo	or(s)						JG + AS		-		-	
Weather Co (Descrip		,	warm, still night	t		Cover ain	2 Wind		ind		1	
Air Tempera Time of Torc			16			Overnight ature (°C)	1	14	Torch	Power	1,000	0,000
Turbid	ity		0		Vegetati	on Cover	:	3		Margin sible (%)	2	0
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge search
Used		Yes (24 hours) e (24 hours)	22:25 22:40	Number of	Yes traps used	20		no			Mar	Vee
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	6	2 (+2 unknown	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	2	0	0	1	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			10			bottle-trap, inaccessible.	egg search) n addition to re		
Common Toad		0	(	)	n	10	r	10				
Other Amphibian (state)		0	(	)	n	10	r	10				
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	WS44373	3_AA1_AA2_88	3_230317	Land Parce	I Reference	WS4	4373	Date	23/03/2017	Visit Number	1
Pond Ecol	logy ID		88		Easti	ng (X)	332	2712	North	ing (Y)	117	987
Surveyo	or(s)				-		RM & LN		-		-	
Weather Co (Descrip		Calm	and cool - rece	nt rain		Cover ain		2	W	ind	(	)
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)		1	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		1		Margin sible (%)	8	5
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:45 20:15	Number of	Yes traps used	10		No				Na
		Sex/life stage			Sex/life stage			Sex/life stage			Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0		)	No		No			bottle-trap, ess the majorit	egg search) y of the perimet	
Common Toad		0	(	)	Ν	lo	Ν	ю				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	ю	Photo References			
					-							
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	WS44373	3_AA1_AA2_88	3_230317	Land Parce	I Reference	WS4	4373	Date	04/04/2017	Visit Number	2
Pond Ecol	logy ID		88		Easti	ng (X)	332	2712	North	ing (Y)	117	987
Surveyo	or(s)						RM & LN				-	
Weather Co (Descrip			warm dry			Cover ain	8 w		W	ind	(	)
Air Temper Time of Torc			11		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	8	0
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:20 20:40	Number of	Yes traps used	10		Yes			X	
		Sex/life stage			Sex/life stage			Sex/life stage			Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	1	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	2	1	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0				lo		lo		bottle-trap, ess the majorit	egg search) y of the perimet	
Common Toad		0	(	)	Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo References			
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	18/04/2017	Visit Number	3
Pond Ecol	logy ID		88		Easti	ng (X)	332	2712	North	ing (Y)	117	987
Surveyo	or(s)					Ashley .	James and Luc	cy Newill				
Weather Co (Descrip			Dry			Cover ain		4 0	Wind			)
Air Temper Time of Torc			10		Minimum Tempera	Overnight ature (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		0		Vegetati	on Cover	:	2		Margin sible (%)	6	5
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:30 22:00	Number of	Yes traps used	10		No			No.	Maria
		Sex/life stage	22.00		Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	8	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	hA	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		ło			egg search)	
Common Toad		0	(	0	Ν	lo	Ν	ło				
Other Amphibian (state)		0	(	0	Ν	lo	Ν	ło	Photo References			
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY							
Ecolog	y ID	WS44373	3_AA1_AA2_88	3_080517	Land Parce	I Reference	WS4	4373	Date	08/05/2017	Visit Number	4		
Pond Ecol	logy ID		88		Easti	ng (X)	332	712	North	ing (Y)	117	987		
Surveyo	or(s)				-		AM & AJ				-			
Weather Co (Descrip			Cool, Clear			Cover ain		1	w	ind		)		
Air Temper Time of Torc			11		Minimum Tempera	Overnight ture (°C)		7	Torch	Power	1,000	0,000		
Turbid	lity		4		Vegetati	on Cover	(	0		Margin sible (%)	5	0		
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search		
Used		Yes (24 hours) e (24 hours)	21:45 21:55	Number of	Yes traps used	10		No			Xaa	N		
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	No		
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae				
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A		
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A		
Palmate Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A		
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A		
Species	hA	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch		
Common Frog		0	Juveniles 0					lo	No				egg search)	
Common Toad		0	(	)	Ν	lo	Ν	lo	Photo References					
Other Amphibian (state)		0	(	)	Ν	lo	N	lo						
									Are fur	ther surveys n	eeded?	No		

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	23/03/2017	Visit Number	1
Pond Ecol	logy ID		90		Easti	ng (X)	332	637	North	ing (Y)	117	593
Surveyo	or(s)						DBI CW					
Weather Co (Descrip			Mild and dry			Cover ain		4 0	W	ind		1
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)	(	6	Torch	Power		
Turbid	lity		5		Vegetati	on Cover		1		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Refug Search Searc	
Used		Yes (24 hours) e (24 hours)	18:45 19:15	Number of	Yes traps used	5		Yes				
		Sex/life stage			Sex/life stage			Sex/life stage			No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0	(			D	· · ·	0			egg search)	
Common Toad		0	(	)	(	D	(	0	Photo References			
Other Amphibian (state)		0	(	)	(	0	(	0				
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS4	4373	Date	19/04/2017	Visit Number	2
Pond Ecol	logy ID		90		Easti	ng (X)	332	2637	North	ing (Y)	117	593
Surveyo	or(s)					Ashley	James and Luc	cy Newill	_		-	
Weather Co (Descrip			Dry and breezy	,		Cover ain		4 Wind		ind		1
Air Temper Time of Torc			8		Minimum Tempera	Overnight ature (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	10	00
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:45 21:00	Number of	Yes traps used	3		No				<i></i>
	1	Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method)		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		D	0			lo	No Mos			bottle-trap, ae and Algae c	egg search) on the surface. I	
Common Toad		0	(	)	N	lo	٢	10				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	ło	Photo References			
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	09/05/2017	Visit Number	3
Pond Ecol	logy ID		90		Easti	ng (X)	332	2637	North	ing (Y)	117	593
Surveyo	or(s)						LN and LB				-	
Weather Co (Descrip			Dry and breezy	,		Cover ain		3 0	W	ind		1
Air Temper Time of Torc			8		Minimum Tempera	Overnight ture (°C)	:	5	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	10	00
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		No (24 hours) e (24 hours)	20:45 21:00	Number of	No traps used	0		No				
	T IIII SIT LIIIK	Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth or Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Species	bA	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		/A	N			/A		//A	Pond dried up	bottle-trap, completely, all	egg search) usual methods undertaken to c	could not be
Common Toad	Ν	N/A N/A			N	/Α	N	//A				
Other Amphibian (state)	N	/A	Ν	/A	N	/Α	N	I/A	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	23/03/2017	Visit Number	1
Pond Ecol	logy ID		91		Easti	ng (X)	332	2666	North	ing (Y)	117	575
Surveyo	or(s)						DBI CW				-	
Weather Co (Descrip			Mild and dry			Cover ain		<b>4</b> 0	W	ind		1
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)	(	6	Torch	Power	1,000	0,000
Turbid	lity		5		Vegetati	on Cover		1		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	18:45 19:15	Number of	Yes traps used	15		Yes				
		Sex/life stage	10.10		Sex/life stage			Sex/life stage		(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			D	· · ·	0			egg search)	
Common Toad		0 0			(	0	(	0				
Other Amphibian (state)		0	(	)	(	0	(	0	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS4	4373	Date	19/04/2017	Visit Number	2
Pond Ecol	logy ID		91		Easti	ng (X)	332	2670	North	ing (Y)	117	576
Surveyo	or(s)				-	Ashley	James and Luc	y Newill	_		-	
Weather Co (Descrip			Dry and breezy	,		Cover ain		<b>4</b> 0	w	ind		1
Air Temper Time of Torc			8		Minimum Tempera	Overnight ature (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	10	00
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:30 20:45	Number of	Yes traps used	15		No			, v	
		Sex/life stage	20.40		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	bΑ	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		lo			egg search)	
Common Toad		0 0			Ν	lo	٢	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	09/05/2017	Visit Number	3
Pond Ecol	logy ID		91		Easti	ng (X)	332	2670	North	ing (Y)	117	576
Surveyo	or(s)					Laura B	oggeln and Lu	cy Newill				
Weather Co (Descrip			Dry			Cover ain		3 0	w	ind		)
Air Temper Time of Torc			12		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	1	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:00 21:30	Number of	Yes traps used	15		No			X	
	1	Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	0	0	0	1	1	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	1	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	bA	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		10			egg search)	
Common Toad		0 0			N	lo	٢	ю				
Other Amphibian (state)	(	0	(	)	Ν	lo	Ν	ю	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	14373	Date	31/05/2017	Visit Number	4
Pond Ecol	logy ID		91		Easti	ng (X)	332	2670	North	ing (Y)	117	576
Surveyo	or(s)				-		JG + AS		-		-	
Weather Co (Descrip		,	warm, still night	t		Cover ain		1 0	w	ind		0
Air Temper Time of Torc	ature at hing (°C)		16			Overnight ature (°C)	1	14	Torch	Power	1,00	0,000
Turbid	lity		5		Vegetati	on Cover		0		Margin sible (%)	1	0
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Yes
Used		Yes (24 hours) e (24 hours)	22:50 23:00	Number of	Yes traps used	D/D/10		No			Vaa	Vee
		Sex/life stage			Sex/life stage			Sex/life stage	)	(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	3	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		D		0		10		סו		bottle-trap,	egg search) t, pond appears	
Common Toad		0	(	0	r	10	r	סו				
Other Amphibian (state)		0	(	0	r	10	r	סו				
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS5	9858	Date	12/04/2017	Visit Number	1
Pond Ecol	logy ID		Pond 110		Easti	ng (X)	332	783	North	ing (Y)	117	278
Surveyo	or(s)						MC & AM					
Weather Co (Descrip			Cool and Clear			Cover ain		3	W	ind	:	2
Air Temper Time of Torc			9			Overnight ature (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	2	5
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:55 21:05	Number of	Yes traps used	10		Yes			N.	N1-
		Sex/life stage	21.00		Sex/life stage			Sex/life stage	1	(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10		10		bottle-trap, s recorded. No	egg search) o vegetation fro	
Common Toad		0 0			r	10	r	10				
Other Amphibian (state)		0	(	)	r	10	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS5	59858	Date	04/05/2017	Visit Number	2
Pond Ecol	logy ID		110		Easti	ng (X)	332	2783	North	ing (Y)	117	278
Surveyo	or(s)					Ashley .	James and Luc	cy Newill	-		-	
Weather Co (Descrip			Dry and breezy	,		Cover ain		7 0	w	ind	:	2
Air Temper Time of Torc			11		Minimum Tempera	Overnight ature (°C)		9	Torch	Power	1,000	),000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:35 21:45	Number of	Yes traps used	10		No				
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	ooles	Sp	awn	Comments	(incl. iustificati	on for deviation	from torch.
Common Frog										bottle-trap,	egg search) d as high turbid	
Common Toad												
Other Amphibian (state)									Photo Refere	nces		
									Are fur	ther surveys n	eeded?	

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID		WS59858		Land Parce	I Reference	WS5	59858	Date	16/05/2017	Visit Number	3
Pond Ecol	logy ID		110		Easti	ng (X)	332	2783	North	ing (Y)	117	277
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip		overca	st and muggy e	evening		Cover ain		8	W	ind	(	)
Air Temper Time of Torc			15		Minimum Tempera	Overnight ture (°C)	1	12	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Yes
Used		yes (24 hours) e (24 hours)	22:00 22:10	Number of	Yes traps used	10		No				
		Sex/life stage	22.10		Sex/life stage			Sex/life stage		(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		/A		/A	n			10			egg search)	,
Common Toad	N	N/A N/A			n	0	r	10				
Other Amphibian (state)	N	/A	N	/A	n	0	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS	59858	Date	31/05/2017	Visit Number	4
Pond Ecol	ogy ID		110		Easti	ng (X)	332	2783	North	ing (Y)	117	277
Surveyo	or(s)				-		JG + AS				-	
Weather Co (Descrip		(	clear, mild nigh	t		Cover ain		0	W	ind		)
Air Tempera Time of Torc	ature at hing (°C)		15		Minimum Tempera	Overnight ature (°C)	1	14	Torch	Power	1,000	0,000
Turbid	ity		5		Vegetati	on Cover		0		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge search
Used		Yes (24 hours) e (24 hours)	23:30 23:40	Number of	Yes traps used	5		no			20	Yes
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	no	res
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0				0		0
Smooth Newt	0 0 0		0	0	0	0				0		0
Palmate Newt	0	0	0	0	0	0				0		0
Smooth or Palmate Newt	0	0	0	0	0	0				0		0
Species	Adı	ults	Juve	niles	Tadr	ooles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog							,				egg search)	
Common Toad												
Other Amphibian (state)												
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS5	9858	Date	11/04/2017	Visit Number	1
Pond Ecol	logy ID		Pond 111		Easti	ng (X)	332	2783	North	ing (Y)	117	278
Surveyo	or(s)						MC & AM				-	
Weather Co (Descrip			Cool and Clear			Cover ain		3 0	W	ind	:	2
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)	:	5	Torch	Power	1,00	0,000
Turbid	lity		4		Vegetati	on Cover	1	0		Margin sible (%)	5	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:30 20:50	Number of	Yes traps used	15		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0 0 0		0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tado	oles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog	-	0	(		n			10			egg search)	
Common Toad	0 0				n	10	r	10				
Other Amphibian (state)		0	(	)	n	10	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS5	59858	Date	04/05/2017	Visit Number	2
Pond Ecol	logy ID		111		Easti	ng (X)	332	2783	North	ing (Y)	117	278
Surveyo	or(s)				-	Ashley	James and Luc	cy Newill	_		-	
Weather Co (Descrip			Dry and breezy	1		Cover ain		7 0	w	ind	:	2
Air Temper Time of Torc			11		Minimum Tempera	Overnight ature (°C)		9	Torch	Power	1,000	),000
Turbid	lity		3		Vegetati	on Cover		0		Margin sible (%)	1	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:45 22:00	Number of	Yes traps used	15		No				N/
		Sex/life stage	22.00		Sex/life stage			Sex/life stage		(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	N/A	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	N/A	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	N/A	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	N/A	0
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		l/a		/a		10		10			egg search)	
Common Toad	N	N/a N/a			n	10	r	10				
Other Amphibian (state)	N	l/a	N	/a	n	10	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS5	9858	Date	16/05/2017	Visit Number	3
Pond Ecol	logy ID		111		Easti	ng (X)	332	.783	North	ing (Y)	117	278
Surveyo	or(s)						JG + AS					
Weather Co (Descrip	otion)	overca	st and muggy e	evening		Cover ain		3 0	W	ind		D
Air Temper Time of Torc	rature at ching (°C)		15		Minimum Tempera	Overnight ature (°C)	1	2	Torch	Power	1,00	0,000
Turbid	lity		1		Vegetati	on Cover	(	0		Margin sible (%)	4	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Yes
Used	Start time Finish time	YES (24 hours) e (24 hours)	22:20 22:40	Number of	Yes traps used	15		No				Var
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl. justificati	ion for deviation	from torch.
Common Frog		/A	N			10		10			egg search)	
Common Toad	N/A N/A			/A	r	10	n	10				
Other Amphibian (state)	Amphibian N/A N/A					10	n	10	Photo Refere	nces		
					Are fur	ther surveys n	needed?	Yes				

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS 5	59858	Date	31/05/2017	Visit Number	4
Pond Ecol	logy ID		111		Easti	ng (X)	332	.783	North	ing (Y)	117	278
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip			clear, mild nigh	t		Cover ain		<b>)</b>	W	ind	(	)
Air Temper Time of Torc	ature at hing (°C)		15			Overnight ture (°C)	1	4	Torch	Power	1,000	0,000
Turbid	lity		3		Vegetati	on Cover	:	2		Margin sible (%)	5	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	23:20 23:30	Number of	Yes traps used	15		no			Yee	Vac
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		/A	N			10		10			egg search)	
Common Toad	N			/A	n	10	r	10				
Other Amphibian (state)	Ν	/A	Ν	/A	n	10	r	10				
					Are fur	ther surveys n	eeded?	Yes				

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST10	)7626	Date	27/03/2017	Visit Number	1
Pond Ecol	logy ID		115		Easti	ng (X)	333	3060	North	ing (Y)	117	087
Surveyo	or(s)				-	[	Byett L Newi	ill			-	
Weather Co (Descrip			raining			Cover ain		8	w	ind		1
Air Temper Time of Torc			10		Minimum Tempera	Overnight ature (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	:	2		Margin sible (%)	7	5
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:37 19:42	Number of	Yes traps used	20		Yes				
	1 111011 1111	Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	1	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		10	no egg search in pond. alot c	bottle-trap, due to healh a	egg search) and safety, too r ade torching ve	much rubbish
Common Toad		0 0			Ν	lo	Ν	ю	see			
Other Amphibian (state)		0	(	D	Ν	lo	Ν	ło	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	W55	9859	Date	11/05/2017	Visit Number	2
Pond Ecol	logy ID		Pond 115		Easti	ng (X)	333	3060	North	ing (Y)	117	087
Surveyo	or(s)						AJ & AM		-		-	
Weather Co (Descrip			mild Drizzle			Cover ain		8	w	ind		)
Air Temper Time of Torc			14		Minimum Tempera	Overnight ature (°C)	1	11	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching		I	Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:19 21:29	Number of	yes traps used	20		Yes			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	165	NO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0 0 0		0	0	0	0	0	0	0	0	
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		1		)		10		10	Torching limi so netting wa	bottle-trap, ted due to hea s conducted a	egg search) vy coverage o is well. Egg sea	f duckweed, arching
Common Toad	,	0 0			r	10	r	סו		pond. Egg sea	ential dangerou rch completed	
Other Amphibian (state)		D	(	)	n	10	r	סו	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	W55	9859	Date	18/05/2017	Visit Number	3
Pond Ecol	logy ID		Pond 115		Easti	ng (X)	333	3060	North	ing (Y)	117	087
Surveyo	or(s)						AJ & CK		-		-	
Weather Co (Descrip			overcast			Cover ain		8	W	ind	2	2
Air Temper Time of Torc			13		Minimum Tempera	Overnight ture (°C)	1	10	Torch	Power	1,000	),000
Turbid	lity		4		Vegetati	on Cover		4		Margin sible (%)	ţ	5
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:40 21:50	Number of	yes traps used	20		Yes			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	163	NO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	N/a
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	n/a
Palmate Newt	0	0	0	1	0	0	0	0	0	0	0	n/a
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	n/a
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0		)		lo		10	Torching limi so netting wa	bottle-trap, ted due to hea s conducted a	egg search) vy coverage of is well. Egg sea	duckweed, arching
Common Toad		0 0			N	lo	~	ło		pond. Egg sea	ential dangerou rch completed	
Other Amphibian (state)		0	(	)	N	lo	Ν	ło	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	W55	9859	Date	25/05/2017	Visit Number	4
Pond Ecol	logy ID		Pond 115		Easti	ng (X)	333	060	North	ing (Y)	117	087
Surveyo	or(s)						JD AJ		-		-	
Weather Co (Descrip			mild Drizzle			Cover ain		D 0	W	ind		)
Air Temper Time of Torc			20		Minimum Tempera	Overnight ture (°C)	1	8	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:19 21:29	Number of	yes traps used	20		Yes			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage	9	(using any	165	INO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	1	1	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10	· · ·	10	Torching limi so netting wa	bottle-trap, ted due to hea is conducted a	egg search) vy coverage o is well. Egg sea	f duckweed, arching
Common Toad	1	0 0			n	10	n	10	surrounding safe to do so. drinking wate	pond. Egg sea . Two Hazel Do r/swiming dur	ential dangerou rch completed ormice were ob ing torching or	where it was served
Other Amphibian (state)		0	(	)	n	ю	n	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST10	07626	Date	27/03/2017	Visit Number	1
Pond Ecol	logy ID		115a		Easti	ng (X)	333	3043	North	ing (Y)	117	099
Surveyo	or(s)					[	D Byett L Newi	ill			-	
Weather Co (Descrip			raining			Cover ain		8 2	w	ind	:	2
Air Temper Time of Torc			11		Minimum Tempera	Overnight ture (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	8	0
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)		Number of	Yes traps used	10		Yes				
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0 0 0		0	0	0	0	0	0	0	0
Palmate Newt	0	4	0	0	1	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	hA	ults	Juve	niles	Tadr	ooles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		10	no suitable ma	bottle-trap,	egg search) aying. And haea	
Common Toad		0 0			Ν	lo	~	ю				
Other Amphibian (state)		0	(	0	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST10	07626	Date	12/05/2017	Visit Number	2
Pond Ecol	logy ID		Pond 115A		Eastin	ng (X)	333	3043	Northi	ing (Y)	117	099
Surveyo	or(s)				-	AJ	AM & LN (Morr	ning)			-	
Weather Co (Descrip			Mild drizzle		Cloud			8	Wi	ind	(	)
Air Tempera Time of Torc			14		Minimum Tempera	Overnight ture (°C)	1	11	Torch	Power	1,000	),000
Turbid	lity		4		Vegetatio	on Cover		0	Pond I Inaccess	Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	J		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:31 21:41	Number of	Yes traps used	10		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage	)	(using any	110	110
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	1	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	1	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustification	on for deviation	from torch
Common Frog		D		0	n			סו		bottle-trap,	egg search) gg search so l	
Common Toad		0 0			n	0	r	סו				
Other Amphibian (state)		0	(	0	n	0	r	סו	Photo Refere	nces		
					-							
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST10	)7626	Date	18/05/2017	Visit Number	3
Pond Ecol	logy ID		Pond 115A		Easti	ng (X)	333	3043	North	ing (Y)	117	099
Surveyo	or(s)						AJ&CK		-		-	
Weather Co (Descrip			Overcast Mild			Cover ain		8 0	W	ind		)
Air Temper Time of Torc			13			Overnight ature (°C)	1	10	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover	(	0		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:50 22:00	Number of	Yes traps used	10		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	n/a	n/a
Smooth Newt	0	0	0	0	0	0	0	0	0	0	n/a	n/a
Palmate Newt	0	0	0	0	0	0	0	0	0	0	n/a	n/a
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	n/a	n/a
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10	· · ·	10		bottle-trap,	egg search) egg search so l	
Common Toad		0 0			Ν	10	Ν	10				
Other Amphibian (state)		0	(	)	Ν	10	Ν	ю	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST10	07626	Date	25/05/2017	Visit Number	4
Pond Ecol	ogy ID		Pond 115A		Eastin	ng (X)	333	3043	Northi	ing (Y)	117	099
Surveyo	or(s)				-		JD AJ		-		-	
Weather Co (Descrip		Н	ot, Dry and clea	ar	Cloud	ain		0	Wi	nd	(	)
Air Temper Time of Torc			20		Minimum Tempera	Overnight ture (°C)	1	18	Torch	Power	1,000	),000
Turbid	ity		3		Vegetatio	on Cover		0	Pond I Inaccess	Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:55 22:05	Number of	Yes traps used	10		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage	•	(using any		NO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	1	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	2	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustification	on for deviation	from torch
Common Frog		0	(		n			10	-	bottle-trap,	egg search) gg search so l	
Common Toad		0 0		0	n	0	r	סו				
Other Amphibian (state)	Amphibian 0 0					0	r	סו	Photo Refere	nces		
										ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	_ <b>AA</b> 1	I_AA2_30a_03	0417	Land Parce	I Reference	Park a	nd Ride	Date	18/04/2017	Visit Number	1
Pond Ecol	logy ID		30a		Easti	ng (X)	325	5948	North	ing (Y)	124	410
Surveyo	or(s)						RM & LN				-	
Weather Co (Descrip			Dry, calm, cool			Cover ain		2	W	ind		)
Air Temper Time of Torc			11		Minimum Tempera	Overnight ature (°C)		5	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover		4		Margin sible (%)		5
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:50 20:30	Number of	Yes traps used	30		No			¥	N
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	2	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	5	1	0	14	6	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		es		٩o	Newts seem to	bottle-trap, b be mainly cor	egg search) ncentrated in the een or caught e	e northern
Common Toad		0 0			Ν	lo	Ν	ю				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	ю	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	Park a	nd ride	Date	15/05/2017	Visit Number	2
Pond Ecol	logy ID		Pond 30A		Easti	ng (X)	325	5948	North	ing (Y)	124	410
Surveyo	or(s)						AJ & CK				-	
Weather Co (Descrip		L	ight rain overca	ıst		Cover ain		8 2	W	ind		2
Air Temper Time of Torc			15			Overnight ature (°C)	1	14	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	23:00 23:10	Number of	yes traps used	30		No			¥	N'-
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0 0 3		3	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	6	0	0	3	3	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	31	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		es		10			egg search)	
Common Toad		0 0		)	Y	es	r	10				
Other Amphibian (state)		0	(	)	n	10	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	Park a	nd Ride	Date	30/05/2017	Visit Number	3
Pond Ecol	logy ID		30a		Easti	ng (X)	325	i948	North	ing (Y)	124	410
Surveyo	or(s)						JG + AS		-		-	
Weather Co (Descrip		mi	uggy, dry eveni	ng		Cover ain		3 0	W	ind		)
Air Tempera Time of Torc	ature at hing (°C)		16			Overnight ture (°C)	1	4	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		5		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge search
Used	Start time Finish time	yes (24 hours) e (24 hours)	22:40 23:00	Number of	yes traps used	23		no			Yes	20
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	res	no
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	2	0	0	2	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	5	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10		10			egg search)	
Common Toad		0 0			Y	es	r	10				
Other Amphibian (state)		0	(	)	n	10	r	10				
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	Park a	nd Ride	Date	08/06/2017	Visit Number	4
Pond Ecol	logy ID		30a		Easti	ng (X)	325	i948	North	ing (Y)	124	410
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip			overcast			Cover ain		3 0	W	ind	(	)
Air Temper Time of Torc			16			Overnight ature (°C)	1	4	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		5		Margin sible (%)	(	)
Survey Methods		Torching		I	Bottle-trapping	9		Netting			Egg Search	Refuge search
Used	Start time Finish time	yes (24 hours) e (24 hours)	22:40 23:00	Number of	yes traps used	23		no			Yes	20
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	res	no
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0 0 0		0	0	N/A	N/A	N/A	0	0	N/A	
Palmate Newt	3	0	0	1	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	5	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tada	oles	Sp	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog	-	0	(			10		10			egg search)	
Common Toad		0 0			Y	es	r	10				
Other Amphibian (state)	1	0	(	)	n	10	r	10				
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	_ <b>AA</b> 1	I_AA2_30b_03	0417	Land Parce	I Reference	Park ar	nd Ride	Date	18/04/2017	Visit Number	1
Pond Ecol	logy ID		30b		Easti	ng (X)	325	969	North	ing (Y)	124	451
Surveyo	or(s)						RM & LN				-	
Weather Co (Descrip			Dry, calm, cool			Cover ain		2	W	ind		)
Air Temper Time of Toro			11		Minimum Tempera	Overnight ture (°C)	:	3	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover		4		Margin sible (%)		5
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:50 20:30	Number of	No traps used			No			×.	~
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Smooth Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Smooth or Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0		)		lo		lo	Very dry and h shallow to trap	bottle-trap, neavily inundate b. Likely to be w	egg search) ed with vegetati virtually dry soo uture, until it ru	on. Too n. Would
Common Toad	0 0			)	Ν	lo	Ν	lo	recommend of	ing toroning in i	uture, unui it rui	is ury.
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	Park a	nd ride	Date	15/05/2017	Visit Number	2
Pond Ecol	ogy ID		Pond 30B		Easti	ng (X)	325	5969	North	ing (Y)	124	451
Surveyo	or(s)						AJ & CK				-	
Weather Co (Descrip		Li	ght rain overca	st		Cover ain		8 2	W	ind	2	2
Air Tempera Time of Torc			15		Minimum Tempera	Overnight ture (°C)	1	14	Torch	Power	1,000	),000
Turbid	ity		1		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching		I	Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	23:10 23:20	Number of	yes traps used	5		No			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	res	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0 0 0		0	0	N/A	N/A	N/A	0	0	N/A	
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	bA	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			es		10	Very dry pone than an inch	bottle-trap, d majority una	egg search) ble to bottle as o it being dens	there is less
Common Toad		0 0			Y	es	r	10	with reeds.			
Other Amphibian (state)		0	(	)	n	ю	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	Park a	nd Ride	Date	30/05/2017	Visit Number	3
Pond Ecol	ogy ID		30b		Easti	ng (X)	325	5969	North	ing (Y)	124	410
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip		mi	uggy, dry eveni	ng		Cover ain		8	W	ind	(	)
Air Temper Time of Torc			16		Minimum Tempera	Overnight ture (°C)	1	14	Torch	Power	1,000	0,000
Turbid	ity		0		Vegetati	on Cover		5		Margin sible (%)	1	0
Survey Methods		Torching		I	Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used	Start time Finish time	No (24 hours) e (24 hours)	22:40 23:00	Number of	No traps used			no			No	Yes
		Sex/life stage			Sex/life stage			Sex/life stage		(using any		163
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth or Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Species	Adı	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		/A	N		n			10	DRY- To dry to	bottle-trap,	egg search)	
Common Toad	N	/A	Ν	/A	n	10	r	10				
Other Amphibian (state)	N	/A	Ν	/Α	n	10	r	10				
					Are fur	ther surveys n	eeded?					

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	_AA1_AA2_36	a_220317	Land Parce	I Reference	ST31	6480	Date	22/03/2017	Visit Number	1
Pond Ecol	logy ID		36a		Easti	ng (X)	327	'138	North	ing (Y)	123	398
Surveyo	or(s)						JG +AM				-	
Weather Co (Descrip			Calm and cool			Cover ain		2	W	ind		)
Air Temper Time of Torc			9			Overnight ature (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover	:	2		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	18:30 20:00	Number of	Yes traps used	10		No			¥	V
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	1	3 0 0		0	0	N/A	N/A	N/A	0	0	0	
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10		lo	Water level dr	bottle-trap,	egg search) nt, limited poten	
Common Toad		0 0			٢	10	~	lo				
Other Amphibian (state)		0	(	)	Ν	10	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	_AA1_AA2_36	a_050417	Land Parce	I Reference	ST31	6480	Date	05/04/2017	Visit Number	2
Pond Ecol	logy ID		36a		Easti	ng (X)	327	'138	North	ing (Y)	123	398
Surveyo	or(s)						DBI + LN				-	
Weather Co (Descrip			Warm and dry			Cover ain		3 0	W	ind		I
Air Temper Time of Torc			13		Minimum Tempera	Overnight ture (°C)	6	6	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover	2	2		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:20 20:30	Number of	Yes traps used	10		No				
		Sex/life stage	20.00		Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0			0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustification	on for deviation	from torch
Common Frog		0		)		lo		lo			egg search)	,
Common Toad		0	(	)	Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	_AA1_AA2_36	a_180417	Land Parce	I Reference	ST31	6480	Date	18/04/2017	Visit Number	3
Pond Ecol	logy ID		36a		Easti	ng (X)	327	'138	North	ing (Y)	123	398
Surveyo	or(s)						CW & AM				-	
Weather Co (Descrip		ра	rtially cloudy, c	ool		Cover ain		1 0	W	ind		)
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover	:	2		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	I		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:20 20:30	Number of	Yes traps used	10		No			No.	Vez
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	3	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		lo			egg search)	,
Common Toad		0 0			Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST 3 <sup>7</sup>	16480	Date	10/05/2017	Visit Number	4
Pond Ecol	logy ID		36a		Easti	ng (X)	327	'138	North	ing (Y)	123	398
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip		h	ot, clear evenin	g		Cover ain		D 0	W	ind	(	)
Air Tempera Time of Torc			9			Overnight ature (°C)	;	8	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used	Start time Finish time	yes (24 hours) e (24 hours)	22:10 22:25	Number of	Yes traps used	10		No			Yee	Vac
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	1	3 0 0		0	0	N/A	N/A	N/A	0	0	0	
Palmate Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	2	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		ło		lo			egg search)	
Common Toad		0 0			Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	_AA1_AA2_36	b_220317	Land Parce	I Reference	ST31	16480	Date	22/03/2017	Visit Number	1
Pond Ecol	logy ID		36b		Easti	ng (X)	327	124	North	ing (Y)	123	368
Surveyo	or(s)						JG +AM				-	
Weather Co (Descrip			Calm and cool			Cover ain		2	W	ind	(	)
Air Temper Time of Torc			9			Overnight ature (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	:	3		Margin sible (%)	(	)
Survey Methods		Torching		l	Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:00 20:30	Number of	No traps used	0		No			Vaa	Voo
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	2 0 0		0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	3	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tada	oles	Spa	awn	Comments	(incl. iustificati	on for deviation	from torch.
Common Frog		0	(			ło		ło	To shallow to	bottle-trap,	egg search)	
Common Toad		0	(	)	Ν	10	٢	10				
Other Amphibian (state)		0	(	)	Ν	10	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID	ST316480	_AA1_AA2_36	b_050417	Land Parce	I Reference	ST31	6480	Date	05/04/2017	Visit Number	2
Pond Ecol	logy ID		36b		Easti	ng (X)	327	'124	North	ing (Y)	123	368
Surveyo	or(s)						DBI + LN		-		-	
Weather Co (Descrip			Warm and dry		Ra	Cover ain		3 0	W	ind		
Air Tempera Time of Torc			13		Minimum Tempera	Overnight ature (°C)	6	6	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	;	3		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:30 21:00	Number of	No traps used	0		No			Vac	Vcc
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0 0 0		0	0	N/A	N/A	N/A	0	0	0	
Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sna	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		lo	To shallow to	bottle-trap,	egg search)	
Common Toad		0	(	)	Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	N	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	_AA1_AA2_36	b_180417	Land Parce	I Reference	ST31	6480	Date	18/04/2017	Visit Number	3
Pond Ecol	logy ID		36b		Easti	ng (X)	327	'124	North	ing (Y)	123	368
Surveyo	or(s)						CW & AM				-	
Weather Co (Descrip		ра	rtially cloudy, c	ool		Cover ain		1 0	Wi	ind		)
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	:	3		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	I		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:30 20:45	Number of	No traps used	0		No			No.	No.
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0 0 0		0	0	N/A	N/A	N/A	0	0	0	
Palmate Newt	2	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	hA	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		lo	To shallow to I	bottle-trap,	egg search)	
Common Toad		0	)	Ν	lo	Ν	lo					
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

				-	AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST 31	16480	Date	10/05/2017	Visit Number	4
Pond Ecol	logy ID		36b		Easti	ng (X)	327	'124	North	ing (Y)	123	368
Surveyo	or(s)						JG + AS		-		-	
Weather Co (Descrip		h	ot, clear evenin	g		Cover ain		) 0	W	ind	(	)
Air Temper Time of Torc			9			Overnight ature (°C)		8	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	:	3		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		yes (24 hours) e (24 hours)	21:55 22:10	Number of	No traps used	0		No			Vac	Vee
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	2	1 0 0		0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	3	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		lo	To shallow to	bottle-trap,	egg search)	
Common Toad		0	(	)	Ν	10	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	10	N	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST20	)8124	Date	25/04/2017	Visit Number	1
Pond Ecol	logy ID		40a		Easti	ng (X)	328	3340	North	ing (Y)	123	416
Surveyo	or(s)				-		CW + FS		-		-	
Weather Co (Descrip		Col	d and clear, no	rain		Cover ain		4	W	ind		1
Air Temper Time of Torc			4		Minimum Tempera	Overnight ture (°C)	:	2	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		1		Margin sible (%)	4	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:40 22:05	Number of	Yes traps used	13		No			¥	N1-
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	3	0	0	0	2	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	1	0	0	0	1	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	11	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10		10	Pond is lined s banks. BE CA	bottle-trap, so bottles can o REFUL NOT T	egg search) only be placed in O PUNCTURE	n small earth POND
Common Toad		0	(	)	r	10	r	10	LINING. Angry	/ goose also pr	esent but not vi	CIOUS
Other Amphibian (state)		0	(	)	n	10	r	10	Photo Refere	nces		
										46.00		
									Are fur	ther surveys n	leeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST20	08124	Date	08/05/2017	Visit Number	2
Pond Ecol	logy ID		40a		Easti	ng (X)	328	3340	North	ing (Y)	123	416
Surveyo	or(s)				-		LB, CK and JD	)	_		-	
Weather Co (Descrip		n	Mild and Cloud	/		Cover ain		8 0	w	ind		)
Air Temper Time of Torc			9		Minimum Tempera	Overnight ature (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		0		Vegetati	on Cover	:	2		Margin sible (%)	4	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	22:20 22:30	Number of	Yes traps used	15		No				
		Sex/life stage	22.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	1	3	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	2	0	0	2	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	11	0	0	0	0	N/A	N/A	N/A	0	Yes	N/A
Species	bA	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			es		ło	Large number because pond	bottle-trap, of palmate/sm was lined coul	egg search) ooth eggs. Limi d only put traps	tation-
Common Toad		0	(	)	Ν	lo	Ν	ю	GCN were not	observed while	st torching.	
Other Amphibian (state)	Yellow bellied	Toad Torched	(	)	Ν	lo	Ν	ło	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST20	08124	Date	15/05/2017	Visit Number	3
Pond Ecol	logy ID		Pond 40a		Easti	ng (X)	328	340	North	ing (Y)	123	416
Surveyo	or(s)						AJ&CK				-	
Weather Co (Descrip			Overcast Mild			Cover ain		3 0	W	ind	(	)
Air Tempera Time of Torc			13			Overnight ature (°C)	1	0	Torch	Power	1,000	0,000
Turbid	lity		3		Vegetati	on Cover	:	3		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	22:30 22:45	Number of	Yes traps used	13		No			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	res	INO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	3	0	0	N/A	N/A	N/A	0	4	N/A
Palmate Newt	2	0	0	0	0	0	N/A	N/A	N/A	0	4	N/A
Smooth or Palmate Newt	0	14	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	ooles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		es		lo			egg search)	
Common Toad		0 0		)	Ν	10	Ν	lo				
Other Amphibian (state)	nphibian 0 0					10	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST20	08124	Date	22/05/2017	Visit Number	4
Pond Ecol	logy ID		Pond 40a		Easti	ng (X)	328	340	North	ing (Y)	123	416
Surveyo	or(s)						AJ&CK		-		-	
Weather Co (Descrip			Overcast Mild			Cover ain		B 0	W	ind	(	)
Air Temper Time of Torc			13			Overnight ature (°C)	1	0	Torch	Power	1,000	0,000
Turbid	lity		3		Vegetati	on Cover	:	3		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	22:30 22:45	Number of	Yes traps used	13		No			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	res	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0 0 3		3	0	0	N/A	N/A	N/A	0	4	N/A
Palmate Newt	2	0	0	0	0	0	N/A	N/A	N/A	0	4	N/A
Smooth or Palmate Newt	0	14	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		es		10			egg search)	
Common Toad		0	(	)	r	10	r	10				
Other Amphibian (state)	mphibian 0 0					10	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST 208037	' ST208124	Date	30/05/2017	Visit Number	5
Pond Ecol	ogy ID		40a		Easti	ng (X)	328	3340	North	ing (Y)	123	416
Surveyo	or(s)						JG + AS		-		-	
Weather Co (Descrip		mı	uggy, dry eveni	ng		Cover ain		8 0	W	ind		)
Air Tempera Time of Torc			16			Overnight ature (°C)	1	14	Torch	Power	1,000	0,000
Turbid	ity		1		Vegetati	on Cover	;	3		Margin sible (%)	1	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Rrefuge search
Used	Start time Finish time	Yes (24 hours) e (24 hours)	22:20 22:40	Number of	Yes traps used	10		no			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage	9	(using any	165	INU
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Palmate Newt	3	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Species	Adu	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0		)		10		10	Bottle trapped	bottle-trap, where possible	egg search) e due to lining c it end of the poi	f the pond. No
Common Toad	(	D	C	)	r	10	п	10	Inaccessible			
Other Amphibian (state)	nphibian 0 0					10	n	10				
									Are fur	ther surveys n	eeded?	Yes

				l	AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST20	8124	Date	12/06/2017	Visit Number	6
Pond Ecol	ogy ID		40a		Easti	ng (X)	328	340	North	ing (Y)	123	416
Surveyo	or(s)						MC & JS				-	
Weather Co (Descript		w	arm, some clou	bu		Cover ain	· · · · · · · · · · · · · · · · · · ·	1 D	Wi	ind	(	)
Air Tempera Time of Torc			19		Minimum Tempera	Overnight ture (°C)	1	6	Torch	Power	1,000	),000
Turbid	ity		0		Vegetati	on Cover	;	3		Margin sible (%)	8	0
Survey Methods		Torching		1	Bottle-trapping	]		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	22:10 22:34	Number of	Yes traps used	7		No			Yes	Yes
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	163	163
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	1	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		1	(			lo		lo		bottle-trap, so bottles can c	egg search) only be placed in	
Common Toad	(	D	(	)	N	lo	Ν	lo				
Other Amphibian (state)	mphibian 0 0					lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST20	08124	Date	06/06/2017	Visit Number	N/A
Pond Ecol	logy ID		40a		Easti	ng (X)	328	3340	North	ing (Y)	123	416
Surveyo	or(s)				-		DB + LN				-	
Weather Co (Descrip			Dry and windy			Cover ain		1 0	W	ind	;	3
Air Tempera Time of Torc			12		Minimum Tempera	Overnight ature (°C)	1	10	Torch	Power	1,000	0,000
Turbid	lity		0		Vegetati	on Cover	:	3		Margin sible (%)	4	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:30 21:45	Number of	Yes traps used	13		No			Mar	
		Sex/life stage	21110		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	2	1	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	3	2	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			es		ło	Comments		egg search)	
Common Toad	1	0	(	)	Ν	lo	Ν	10				
Other Amphibian (state)	nphibian 0 0					lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

	_	-			AA1 AMPHI	BIAN POND	SURVEY			-	-	_
Ecolog	y ID				Land Parce	el Reference	uo	0042	Date	15/05/2017	Visit Number	4
Pond Ecol	logy ID		64 B		East	ing (X)	32	9641	North	ning (Y)	119	826
Surveyo	or(a)	-		-			JD DB					
Weather Co (Descrip			Warm and Dry	<u></u>	A contract of the second se	Cover		8	w	ind	1	ì
Air Temper Time of Torc			14	_		Overnight ature (°C)		14	Torch	Power	1,000	0,000
Turbid	ity		2		Vegetati	ion Cover		1		Margin sible (%)	(	0
Survey Methods		Torching		1.0	Bottle-trapping	9		Netting	1	0.000	Egg Search	Refuge
Used		Yes e (24 hours)	21:30	Number	Yes of traps used	10		No			Search	Search
	Finish tin	te (24 hours) Sex/life stage	21:40		Sex/life stage	1		Sex/life stage		(using any	Yes	no
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method)	1.5	
Great Crested Newt	ũ	0	9	0	0	a	N/A	N/A	N/A	0	g	9
Smooth Newt	a	0	<u>ņ</u>	0	0	ņ.	N/A	N/A	N/A	Q	a	0
Palmate Newt	Ø	2	ò	3	3	D	N/A	N/A	N/A	ø	ά	Q
Smooth or Palmate Newt	ø	ō.	ò	ò	0	D	N/A	N/A	N/A	ō	1	o
Species	A	dalts	Juve	niles	Tad	poles	Sp	awn	Comments fit	nd justification	for deviation fru	m lonch, bo
Comman Frog		t	Q	)	-	no		no	Top much bla	bap, eg nkel weed to ne	g saarch) et and shallow.	
Common Toad	1.73	a		i	1.0	na	1.	no				
Other	<b>n</b> 0 0				122	10	-	00	Photo Refere	nces		

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	UOC	0042	Date	18/05/2017	Visit Number	2
Pond Ecol	logy ID		64b		Easti	ng (X)	329	648	North	ing (Y)	119	842
Surveyo	or(s)						JG+AS				-	
Weather Co (Descrip		М	uggy, still eveni	ng		Cover ain		<b>7</b> 0	W	ind	(	)
Air Temper Time of Torc			12		Minimum Tempera	Overnight ature (°C)		8	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover	ł	5		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	22:00 22:10	Number of	Yes traps used	10		No			Mark	Maria
		Sex/life stage	22.10		Sex/life stage			Sex/life stage	•	(using any	Yes	Yes
Species	Male	ale Female Immature Male			Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	1	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	2	0	0	5	1	0	N/A	N/A	N/A	0	0	1 female
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog		0	(			10		10			egg search)	
Common Toad	(	0	(	)	r	10	n	10				
Other Amphibian (state)	nphibian 0 0					10	n	10	Photo Refere N/A	nces		
									Are fur	ther surveys n	eeded?	Yes

				1	AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	UOC	0042	Date	30/05/2017	Visit Number	3
Pond Ecol	logy ID		Pond 64B		Easti	ng (X)	329	648	North	ing (Y)	119	842
Surveyo	or(s)						JD&AJ				-	
Weather Co (Descrip		(	Overcast Humic	ł		Cover ain		3 0	W	ind		I
Air Tempera Time of Torc			16		Minimum Tempera	Overnight ature (°C)	1	4	Torch	Power	1,000	),000
Turbid	lity		3		Vegetati	on Cover	;	3		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	22:00 22:10	Number of	Yes traps used	10		No			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	165	INO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	2	0	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	3	0	0	0	0	N/A	N/A	N/A	0	15	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		D		)		10		10			egg search)	,
Common Toad		D	(	)	r	10	n	10				
Other Amphibian (state)	nphibian 0 0				r	10	n	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	UOC	0042	Date	06/06/2017	Visit Number	4
Pond Ecol	logy ID		64b		Easti	ng (X)	329	9648	North	ing (Y)	119	842
Surveyo	or(s)						DB + LN		-		-	
Weather Co (Descrip			Dry and windy			Cover ain		1	w	ind	:	3
Air Temper Time of Torc			12		Minimum Tempera	Overnight ature (°C)	1	10	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover	4	5		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	22:10 22:30	Number of	Yes traps used	10		No				
	T IIII SH LIIIK	Sex/life stage	22.30		Sex/life stage			Sex/life stage	)	(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Palmate Newt	0	0	0	1	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	1	N/A
Species	bA	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	ion for deviation	from torch
Common Frog		0		)		ło		ło			egg search)	
Common Toad		0	(	0	Ν	10	Ν	lo				
Other Amphibian (state)	ohibian 0 0					10	Ν	10	Photo Refere N/A	nces		
									Are fur	ther surveys n	needed?	No

					AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST13	30779	Date	27/03/2017	Visit Number	1
Pond Ecol	logy ID		84a		Easti	ng (X)	331	492	North	ing (Y)	117	813
Surveyo	or(s)				_		DByett Lnewil	I			-	
Weather Co (Descrip			calm and clear			Cover ain		D 0	w	ind	(	)
Air Temper Time of Torc			8		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	),000
Turbid	lity		0		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:35 19:37	Number of	No traps used	0		Yes				
	T IIII SIT LIIIK	Sex/life stage	19.37		Sex/life stage			Sex/life stage	1	(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	N/A
Smooth Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	N/A
Palmate Newt	1	2	0	N/A	N/A	N/A	1	0	0	0	0	N/A
Smooth or Palmate Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		10	pond lined		egg search)	
Common Toad		0	(	0	Ν	lo	Ν	ło				
Other Amphibian (state)		0	(	0	Ν	lo	Ν	ło	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

				-	AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST13	80779	Date	20/04/2017	Visit Number	2
Pond Ecol	logy ID		84a		Easti	ng (X)	331	492	North	ing (Y)	117	813
Surveyo	or(s)						CW & AM					
Weather Co (Descrip			calm and clear			Cover ain		3 0	w	ind		1
Air Temper Time of Torc			11		Minimum Tempera	Overnight ature (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover		5		Margin sible (%)	(	D
Survey Methods		Torching		I	Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:00 21:08	Number of	No traps used	0		No				
		Sex/life stage	21:08		Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	0
Smooth Newt	1	0	0	N/A	N/A	N/A	0	0	0	0	0	0
Palmate Newt	3	0	0	N/A	N/A	N/A	0	0	0	0	0	0
Smooth or Palmate Newt	0	2	0	N/A	N/A	N/A	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		lo	pond lined - ne both harmfull t	bottle-trap, b bottle traps and b homeowner's	egg search) nd no netting co s small garden p	onducted as bond, which is
Common Toad		0	(	)	Ν	lo	Ν	lo		undertaken to	/ an ornamenta compensate	l plant.
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	Unkı	nown	Date	11/05/2017	Visit Number	3
Pond Ecol	logy ID		Pond 84a		Easti	ng (X)	331	492	North	ing (Y)	117	813
Surveyo	or(s)						AJ & AM					
Weather Co (Descrip			Clear and mild			Cover ain		8 0	W	ind		)
Air Temper Time of Torc			14		Minimum Tempera	Overnight ture (°C)	;	8	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching		I	Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:19 21:30	Number of	No traps used	0		No			N a a	N
		Sex/life stage	21.00		Sex/life stage			Sex/life stage	•	(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Palmate Newt	0	1	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		10		10	Too destructi	bottle-trap, ve to net as it	egg search) is a garden po efuge search t	nd. No bottle
Common Toad		0 0			n	10	r	10	compensate			
Other Amphibian (state)		0	(	)	n	10	r	10	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST13	80779	Date	24/05/2017	Visit Number	4
Pond Ecol	logy ID		Pond 84A		Easti	ng (X)	331	492	North	ing (Y)	117	813
Surveyo	or(s)						JD&AJ					
Weather Co (Descrip		,	Warm mild clea	r		Cover ain		) 0	W	ind		1
Air Temper Time of Torc			16		Minimum Tempera	Overnight ature (°C)	1	4	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover		4		Margin sible (%)	(	)
Survey Methods		Torching		I	Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:40 21:50	Number of	NO traps used	None		No				Maria
		Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Smooth Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Smooth or Palmate Newt	0	1	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Species	bA	ults	Juve	niles	Tadr	ooles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		Adults Juveniles				lo		lo	Pond lined so to destructive	bottle-trap, cant use bott to garden po	egg search) le traps and ne nd. Refuge sea	etting deemed
Common Toad		0 0		)	Ν	lo	٢	lo	undertaken to	o compensate		
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	08/05/2017	Visit Number	1
Pond Ecol	logy ID		86b		Easti	ng (X)	332	2163	North	ing (Y)	118	040
Surveyo	or(s)						AM & AJ		-			
Weather Co (Descrip			Cool, Clear			Cover ain		1 0	W	ind	(	)
Air Temper Time of Torc			11			Overnight ature (°C)		6	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover	1	0		Margin sible (%)	5	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) (24 hours)	22:30 22:40	Number of	Yes traps used	5		No			Yes	No
		Sex/life stage			Sex/life stage			Sex/life stage	1	(using any	165	NO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	N/A
Species	bA	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		ło	Difficult to acc	bottle-trap,	egg search)	
Common Toad	1	0	(	0	Ν	lo	Ν	10				
Other Amphibian (state)		0	(	0	Ν	lo	Ν	ło	Photo Refere	nces		
									Are fur	ther surveys n	needed?	Yes

				1	AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS 4	14373	Date	17/05/2017	Visit Number	2
Pond Ecol	logy ID		86b		Easti	ng (X)	332	163	North	ing (Y)	118	040
Surveyo	or(s)						JG + AS				-	
Weather Co (Descrip		cl	ear, still evenin	g		Cover ain		3	W	ind	(	)
Air Tempera Time of Torc	ature at hing (°C)		12		Minimum Tempera	Overnight ture (°C)		9	Torch	Power	1,000	0,000
Turbid	lity		3		Vegetati	on Cover		0		Margin sible (%)	5	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Yes
Used	Start time Finish time	yes (24 hours) e (24 hours)	21:50 22:30	Number of	yes traps used	7		no				
		Sex/life stage	22.00		Sex/life stage			Sex/life stage		(using any	Yes	yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Sp	awn	Comments	(incl. justificati	on for deviation	from torch.
Common Frog											egg search)	
Common Toad												
Other Amphibian (state)												
									Are fur	ther surveys n	eeded?	Yes

		¥			AA1 AMPHI	BIAN POND	SURVEY					
Ecology	D				Land Parce	el Reference	WS	44373	Date	01/06/2017	Visit Number	3
Pond Ecol	ogy ID		86b		Easti	ing (X)			North	ing (Y)	-	
Surveyo	r(s)	-					JD AJ					
Weather Cor (Descript			Hot and Dry			d Cover ain		0	Ŵ	ind	0	e e e
Air Tempera Time of Torcl	ature at		14		Minimum	Overnight ature (°C)		12	Torch	Power	1,000	,000
Turbidi	ity		4		Vegetati	ion Cover		0		Margin sible (%)	50	)
Survey Methods		Torching		-	Bottle-trappin	g		Netting			Egg Search	Refuge Search
Used		Yes e (24 hours)		Number o	yes f traps used	10		no				
Species	Finish tim	e (24 hours) Sex/life stage	-	-	Sex/life stage		-	Sex/life stage		(using any method)	yes	
opecies	Male	Female	Immature	Male	Female	Immature	Male	Female	limmature	Larvae	_	_
Great Crested Newt	o	o	D	٥	0	0					o	
Smooth Newt	D	0	D	Q	O	o		u et			0	9
Palmate Newt	0	0	Q	đ	•1	0					0	77
Smooth or Palmate Newt	D	9	O.	O	O	O					ō	
Species	Ad	lults	Juve	niles	Tad	poles	Sp	iawn	Comments (ii	ncl. justification	for deviation from	n torch, be
Common Frog			÷		1						g search) n one side due to rbid.	dense
Common Toad									1.			
Other						- (			Photo Refere	nces		

				1	AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS 4	14373	Date	07/06/2017	Visit Number	4
Pond Ecol	logy ID		86b		Easti	ng (X)	332	2163	North	ing (Y)	118	040
Surveyo	or(s)				-		DB + LN				-	
Weather Co (Descrip			Dry and windy			Cover ain		8 0	W	ind	:	3
Air Tempera Time of Torc			14		Minimum Tempera	Overnight ture (°C)	1	12	Torch	Power	1,000	),000
Turbid	lity		5		Vegetati	on Cover		0		Margin sible (%)	6	0
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Yes
Used		yes (24 hours) e (24 hours)	21:15 21:30	Number of	yes traps used	10		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	No	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	N/A	N/A
Smooth Newt	0	0	0	0	0	0	0	0	0	0	N/A	N/A
Palmate Newt	0	0	0	1	1	0	0	0	0	0	N/A	N/A
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	N/A	N/A
Species	Ad	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			lo		ło			egg search)	
Common Toad		0	(	)	N	lo	Ν	10				
Other Amphibian (state)		D	(	)	N	lo	Ν	ło				
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4	4373	Date	23/03/2017	Visit Number	1
Pond Ecol	logy ID		90a		Easti	ng (X)	332	2621	North	ing (Y)	117	606
Surveyo	or(s)						DBI CW				-	
Weather Co (Descrip			Mild and dry			Cover ain		4 0	W	ind		1
Air Temper Time of Torc			9		Minimum Tempera	Overnight ture (°C)		6	Torch	Power	1,000	0,000
Turbid	lity		5		Vegetati	on Cover		1		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	18:45 19:15	Number of	Yes traps used	13		Yes			No	No
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	INO	INO
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		D		0			egg search)	
Common Toad	(	0 0			Ū	D		0				
Other Amphibian (state)		0	(	)		0		0	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	WS4	4373	Date	19/04/2017	Visit Number	2
Pond Ecol	logy ID		90A		Easti	ng (X)	332	2621	North	ing (Y)	117	606
Surveyo	or(s)				-	Ashley .	James and Luc	cy Newill	_		-	
Weather Co (Descrip			Dry and Breezy	,		Cover ain		4 0	Wi	ind		1
Air Temper Time of Torc			8		Minimum Tempera	Overnight ature (°C)		7	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover		0		Margin sible (%)	10	00
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:30 21:00	Number of	Yes traps used	7		No				
	1	Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method)		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth Newt	0	0	0	0	0	0	N/A	N/A	. N/A 0		0	N/A
Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Smooth or Palmate Newt	0	2	0	0	0	0	N/A	N/A	N/A	0	0	N/A
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		D	(			lo		10	Mosquito Larv pond. Ponds d	bottle-trap, ae and algae s Irying up, recor	egg search) cum covering th mmended to put	ne top of the
Common Toad		0	(	)	Ν	lo	٢	ю	but could only	nt 7.		
Other Amphibian (state)		0	(	)	N	lo	Ν	ło	Photo Refere	nces		
					-							
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	WS4 2	4373	Date	09/05/2017	Visit Number	
Pond Ecol	logy ID		90A		Easti	ng (X)	332	621	North	ing (Y)	117	606
Surveyo	or(s)				-		LN and LB				-	
Weather Co (Descrip			Dry and Breezy	,		Cover ain		<b>4</b> 0	w	ind		1
Air Temper Time of Torc			8		Minimum Tempera	Overnight ture (°C)		5	Torch	Power	1,000	0,000
Turbid	lity		4		Vegetati	on Cover	(	0		Margin sible (%)	10	00
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		No (24 hours) e (24 hours)	20:30 21:00	Number of	No traps used	0		No				
	1 mon tink	Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method)		
Great Crested Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth or Palmate Newt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		/A		/A		/A	· · ·	/A	Pond complete	bottle-trap,	egg search) thods could no	
Common Toad	N	/A	N	/A	N	/A	Ν	/A				
Other Amphibian (state)	N	/A	N	/A	Ν	/A	Ν	/Α	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	No

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST28	33143	Date	29/03/2017	Visit Number	1
Pond Ecol	logy ID		PondA2		Easti	ng (X)	329	259	North	ing (Y)	119	941
Surveyo	or(s)					C	Byett L New	ill			-	
Weather Co (Descrip		son	ne guests but c	lear		Cover ain		<b>3</b> 0	W	ind	:	2
Air Temper Time of Torc			13		Minimum Tempera	Overnight ature (°C)	1	1	Torch	Power	1,000	0,000
Turbid	lity		2		Vegetati	on Cover	(	0		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	21:38 21:42	Number of	Yes traps used	15		Yes			¥	N
		Sex/life stage			Sex/life stage			Sex/life stage	•	(using any	Yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	18	14	0	2	2	0	3	1	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		)		lo		lo		bottle-trap,	egg search) eck dead leaf w	
Common Toad		0 0			Ν	lo	Ν	lo				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND	SURVEY					
Ecology	y ID				Land Parce	I Reference	ST28	33142	Date	04/05/2017	Visit Number	2
Pond Ecol	logy ID		A2		Easti	ng (X)	329	9259	North	ing (Y)	119	941
Surveyo	or(s)					Ashley .	James and Luc	cy Newill			-	
Weather Co (Descrip			Dry and breezy	,		Cover ain		7 0	w	ind	:	2
Air Temper Time of Torc			11		Minimum Tempera	Overnight ature (°C)	!	9	Torch	Power	1,000	0,000
Turbid	lity		1		Vegetati	on Cover		0		Margin sible (%)	(	)
Survey Methods		Torching			Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:30 21:30	Number of	Yes traps used	10		No				
		Sex/life stage	21.00		Sex/life stage			Sex/life stage		(using any	Yes	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Palmate Newt	3	5	0	6	4	0	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0
Species	hA	ults	Juve	niles	Tadp	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		/A	N			/A		//A	8 unknown pa the pond has o	bottle-trap, Imates-too quid	egg search) ck in torch light. nore, so reduce	10 bottles as
Common Toad	N	/A	N	/A	N	/A	N	I/A	due to depth.			
Other Amphibian (state)	N	/A	N	/A	N	/A	N	//A	Photo Refere	nces		
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHI	BIAN POND						
Ecology	y ID				Land Parce	I Reference	ST28314 3	2	Date	10/05/2017	Visit Number	
Pond Ecol	logy ID		A2		Easti	ng (X)	329	259	North	ing (Y)	119	941
Surveyo	or(s)						AM and AJ				-	
Weather Co (Descrip			Dry and clear			Cover ain		) Wind		ind	(	)
Air Temper Time of Torc			11		Minimum Tempera	Overnight ture (°C)		6	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover		0		Margin sible (%)	3	0
Survey Methods		Torching			Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	22:15 22:25	Number of	Yes traps used	10		Yes				
		Sex/life stage		-	Sex/life stage			Sex/life stage		(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	0	0	0	0	0	0	0	0	0
Smooth Newt	0	0	0	0	0	0	0	0	0	0	0	0
Palmate Newt	3	4	0	1	2	0	0	0	0	0	0	0
Smooth or Palmate Newt	0	0	0	0	0	0	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0	(			10		10	Pond reduced handled by AJ	bottle-trap, in size. One pr , Pond partially	egg search) regnant female / dried up so on	torched and
Common Toad		0	(	)	r	10	r	10	possible. Deep mud.			
Other Amphibian (state)		0	(	)	r	10	r	10	Photo References			
									Are fur	ther surveys n	eeded?	Yes

Ecolog	UV ID	1			Land Parce	el Reference	ST2	83142	Date	01/06/2017	Visit Number	4	
200108				_			-						
Pond Eco	logy ID		A2	-	East	ing (X)	32	9259	North	ing (Y)	119	941	
Survey	or(s)						JD AJ						
Weather Co (Descrip			Hot and Dry			d Cover ain		0	w	ind	0	1	
Air Temper Time of Toro	rature at		14		Minimum	Overnight ature (°C)	1.00	12	Torch Power		1,000	0,000	
Turbio			2		Vegetation Cover			0	Pond Margin Inaccessible (%)		Q		
Survey Methods		Torching	= 1	-	Bottle-trappin	g		Netting		-	Egg Search	Refuge Search	
Used	C	yes		2	yes			14-1			Caron	scarol	
		e (24 hours) ne (24 hours)		Number o	of traps used	10		no					
- Anno - 1		Sex/life stage	0		Sex/life stage		-	Sex/life stage		(using any	yes	no	
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae	2 22	1	
Great Crested Newt	o	0	0	o	D	0	N/A	N/A	N/A	N/A	o	N/A	
Smooth Newt	o	٥	0	٥	D	o	N/A	N/A	N/A	N/A	o.	N/A	
Palmate Newt	3	8	0	÷.	2	0	N/A	N/A	N/A	N/A	0	N/A	
Smooth or Palmate Newt	٥	9	ø	Ø	D	0	N/A	N/A	N/A	N/A	Ø	N/A	
Species	A	dults	Juver	niles	Tad	poles	Sp	pawn	Comments (i	ncl. justification	for deviation from	m torch, bott	
Common Frog	nmon N/A		N/	N/À		I/A.		N/A			g search)		
Common Toad	1.00	N/A	N	A	N	ΰÁ		N/A					
Other	1	N/A	N/	A	N	I/A		N/A	Photo Refere	hoto References			

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID	ST31648	D_AA1_AA2_38	3_220317	Land Parce	I Reference	ST30	04833	Date	22/03/2017	Visit Number	1
Pond Ecol	logy ID		D001		Easti	ng (X)	327	7524	North	ing (Y)	123	274
Surveyo	or(s)						RM & LN				-	
Weather Co (Descrip		Calm	and cool - rece	nt rain		Cover ain		D 0	Wind		2	2
	Air Temperature at Time of Torching (°C)		6		Minimum Tempera	Overnight ature (°C)	:	3	Torch	Power	1,000	0,000
Turbid	lity		0		Vegetati	on Cover	(	0		Margin sible (%)	ţ	5
Survey Methods		Torching		I	Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	19:45 20:00	Number of	NO traps used	N/A		No			N	Maria
		Sex/life stage	20.00		Sex/life stage			Sex/life stage		(using any	No	Yes
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Palmate Newt	1	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Smooth or Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Species	Ad	ults	Juve	niles	Tadr	ooles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog		0		0		ło		10			egg search)	
Common Toad		0	(	)	Ν	10	Ν	ю	Photo References			
Other Amphibian (state)		0	(	)	Ν	10	Ν	lo				
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY					
Ecolog	y ID	ST316480	D_AA1_AA2_38	3_040417	Land Parce	I Reference	ST30	04833	Date	04/04/2017	Visit Number	2
Pond Ecol	logy ID		D001		Easti	ng (X)	327	7524	North	ing (Y)	123	274
Surveyo	or(s)									-		
Weather Co (Descrip			warm dry		Cloud Cover Rain			2 Wind			)	
Air Temper Time of Torc			10		Minimum Tempera	Overnight ature (°C)		4	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover		0		Margin sible (%)	5	0
Survey Methods		Torching		I	Bottle-trapping	1		Netting			Egg Search	Refuge Search
Used		Yes (24 hours) e (24 hours)	20:45 21:00	Number of	No traps used			yes				
		Sex/life stage	21.00		Sex/life stage			Sex/life stage	1	(using any	yes	No
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	0
Smooth Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	0
Palmate Newt	0	0	0	N/A	N/A	N/A	0	0	0	0	0	0
Smooth or Palmate Newt	0	1	0	N/A	N/A	N/A	0	0	0	0	0	0
Species	Ad	ults	Juve	niles	Tadr	oles	Sp	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog	Common		s Juveniles			Tadpoles S No					egg search)	
Common Toad	(	0	(	)	N	lo	٢	ło				
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo References			
									Are fur	ther surveys n	eeded?	Yes

					AA1 AMPHII	BIAN POND	SURVEY							
Ecology	y ID	ST31648	D_AA1_AA2_38	3_040417	Land Parce	I Reference	ST30	04833	Date	25/04/2017	Visit Number	3		
Pond Ecol	logy ID		D001		Easti	ng (X)	327	524	North	ing (Y)	123	274		
Surveyo	or(s)							-						
Weather Co (Descrip			cold, dry			Cover ain		<b>4</b> 0	Wind			I		
Air Tempera Time of Torc			5		Minimum Tempera	Overnight ture (°C)	:	2	Torch	Power	1,000	0,000		
Turbid	lity		3		Vegetati	on Cover		4		Margin sible (%)	5	0		
Survey Methods		Torching			Bottle-trapping	3		Netting			Egg Search	Refuge Search		
Used		Yes (24 hours) e (24 hours)	20:40 20:50	Number of	No traps used		No		No					X
		Sex/life stage	20.00		Sex/life stage			Sex/life stage	1	(using any	yes	Yes		
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae				
Great Crested Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0		
Smooth Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0		
Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0		
Smooth or Palmate Newt	0	1	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0		
Species	Ad	ults	Juve	niles	Tadp	oles	Spa	awn	Comments	(incl_iustificati	on for deviation	from torch		
Common Frog		0		0		No		No				bottle-trap,	egg search) water was too	
Common Toad	(	0	(	)	N	lo	Ν	lo						
Other Amphibian (state)		0	(	)	Ν	lo	Ν	lo	Photo References					
									Are fur	ther surveys n	eeded?	No		

					AA1 AMPHI	BIAN POND	SURVEY					
Ecolog	y ID				Land Parce	I Reference	ST30	04833	Date	17/05/2017	Visit Number	4
Pond Ecol	logy ID		P35		Easti	ng (X)	327	7524	North	ing (Y)	123	274
Surveyo	or(s)						AJ & CK		-		-	
Weather Co (Descrip			overcast			Cover ain		8 0	Wind		2	2
Air Temper Time of Torc			12			Overnight ature (°C)	1	10	Torch	Power	1,000	),000
Turbid	lity		1		Vegetati	on Cover		1		Margin sible (%)	(	)
Survey Methods		Torching		I	Bottle-trapping	9		Netting			Egg Search	Refuge Search
Used		yes (24 hours) e (24 hours)	21:40 21:50	Number of	No traps used			No			Yes	Yes
		Sex/life stage			Sex/life stage			Sex/life stage		(using any	Tes	res
Species	Male	Female	Immature	Male	Female	Immature	Male	Female	Immature	method) Larvae		
Great Crested Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Smooth Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Smooth or Palmate Newt	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0
Species	bA	ults	Juve	niles	Tadr	oles	Sn	awn	Comments	(incl_iustificati	on for deviation	from torch
Common Frog	N/A				Tadpoles N/A				bottle-trap, dried up sma	egg search) all pockets of v		
Common Toad	Ν	/A	Ν	/A	Ν	/A	N	I/A				
Other Amphibian (state)	Ν	/A	Ν	/Α	Ν	/A	Ν	I/A	Photo References Photos will be added at the weekend when I can upload pictures.			can upload
									Are fur	ther surveys n	eeded?	No