Welsh Government

M4 Corridor around Newport

Environmental Statement Volume 3:
Appendix 10.2 Phase 1 Habitat Survey 2014

M4CaN-DJV-EBD-ZG_GEN-AX-EN-0023

At Issue | March 2016

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Welsh Government

M4 Corridor Around Newport

Extended Phase 1 Habitat Survey 2014

Issue Rev A | 3 February 2016

Job number 117300-95

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1 Introduction

Ove Arup & Partners Ltd has been commissioned by Welsh Government to undertake baseline ecological surveys to inform proposals for the M4 Corridor around Newport. Should the Welsh Government adopt its draft Plan, this report provides information to inform the development of the scheme, including a Design Manual for Road and Bridges (DMRB) Stage 3 environmental assessment (HA, 1993).

This report identifies the presence of important habitat areas and species. Where appropriate, recommendations are made for further surveys to inform the development of the scheme.

1.1 Background to the Project

The M4 in South Wales forms part of the Trans-European Transport Network (TEN-T), which provides connections throughout Europe by road, rail, sea and air. The M4 plays a key strategic role in connecting South Wales with the rest of Europe, providing links to Ireland via the ports in South West Wales and England and mainland Europe to the east. It is a key east-west route being the main gateway into South Wales and also one of the most heavily used roads in Wales.

Providing a facility for transporting goods, linking people to jobs and employment sites as well as serving the Welsh tourism industry, the M4 is critical to the Welsh economy. Cardiff, Newport and Swansea have ambitious regeneration strategies and Monmouthshire County Council is developing areas around Junction 23A of the M4. Rhondda Cynon Taff has important gateways onto the motorway at Junctions 32 and 34. Bridgend is served by M4 Junctions 35 and 36. Neath Port Talbot straddles the motorway and gets important access from Junctions 38 to 43. Congestion on the M4 causing unreliable journey times and reduced service levels will therefore hinder economic development in South Wales.

The M4 between Junctions 28 and 24 was originally designed as the ‘Newport Bypass’ with further design amendments in the 1960s to include the first motorway tunnels to be built in the UK.

The M4 Motorway between Magor and Castleton does not meet modern motorway design standards. This section of the M4 has many lane drops and lane gains, resulting in some two-lane sections, an intermittent hard shoulder and frequent junctions.

It is often congested, especially during weekday peak periods resulting in slow and unreliable journey times and stop-start conditions with incidents frequently causing delays.

This is why problems with congestion and unreliable journey times have been a fact of life on the M4 around Newport for many years. The motorway and surrounding highway network does not cope with sudden changes in demand or operation, for example as a result of accidents or extreme weather events. These issues are worse at times of peak travel (rush hour) and have worsened as the number of users on the network has increased.

Since 1991, much assessment and consultation has been undertaken to develop a preferred solution to the problems on the motorway around Newport. A detailed history is documented in the M4 Corridor around Newport WelTAG (WG, 2008) Stage 1 (Strategy Level) Appraisal Report (Ove Arup & Partners Ltd, 2013). This included the adoption of a revised TR111 route[1] in April 2006, which remains protected for planning purposes. The alignment of this proposed new section of motorway has been developed following extensive consultation, investigation and analysis. The aim was to minimise the impact on the environment, whilst fully meeting motorway design and safety standards. The main element of the Plan (the Black Route) largely follows this TR111 alignment.

The survey design is informed by the Route Options defined in the Stage 2 DRMB Environmental Report (Ove Arup & Partners Ltd, 2014).

1.2 Survey Objectives

The objectives of the survey were to:

- Identify and map the broad habitat types present within the study area;
- Record signs of legally protected species and non-native invasive plant species;
- Assess the suitability of habitats within the study area to support legally protected and otherwise notable species.

1.3 Study Area

The study area for the purpose of this survey was based on a 500m buffer around the physical extents of the previous scheme studied in 2007/8 including the route alignment, potential junctions and water treatment areas. The Preferred Route announced by Welsh Government in July 2014 is located within the centre of this corridor as shown on Figure 1.

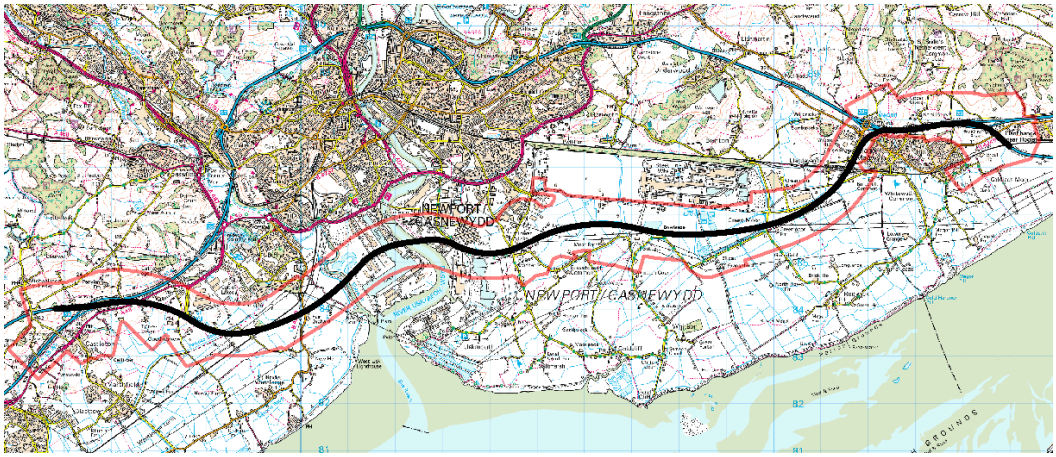

Figure 1 The 2014 Preferred Route within the Study area shown in red.

[1] Once a preferred route is announced, Welsh Government serves a statutory notice (TR111) on the local planning authorities requiring the line to be protected from development. This is enacted under Article 19 of The Town & Country Planning (Development Management Procedure) (Wales) Order 2012.

2 Methodology

2.1 Desk study

2.1.1 Biological Records

A biodiversity information search was commissioned from the local biological records centre, South East Wales Biological Records Centre (SEWBReC) to inform and support the survey methodology. This included records for bats up to 5km; other legally protected and priority species[2] within 2km; and species of conservation concern[3] within 1km of the study area.

2.1.2 Designated sites

The location of statutory designated sites for nature conservation within the vicinity of the Study Area has been established using Geographic Information System (GIS) layers provided by Natural Resources Wales (NRW) (formerly the Countryside Council for Wales and the Joint Nature Conservancy Council (JNCC)).

A search radius of 10km from Study Area has been used for European Sites, including Special Areas of Conservation (SACs), Special Protection Areas (SPAs) and Ramsar Sites[4]. Nationally designated Sites of Special Scientific Interest (SSSIs) have been identified within 2km of the Study Area. Local designations (primarily Sites of Importance for Nature Conservation (SINC), but including Local Nature Reserves (LNR) where information is available) have been identified within 1km from information provided by SEWBReC.

2.1.3 Previous studies

The results of previous surveys undertaken by Arup in 2007/8 were also reviewed as part of the desk study exercise and are included within this report. The results of these surveys have not previously been reported due to the New M4 Project being put on hold in 2008/9.

In addition data from a limited Phase 1 Survey undertaken from roads and Public Rights of Way in 2013 has been used to augment the Phase 1 survey maps produced in this report where access was limited as set out below. The 2013 surveys were reported within the DMRB Stage 2 Environmental Report (Ove Arup & Partners Ltd, 2014).

[2] Including European Protected Species listed under Schedule 2 of the Conservation of Habitats and Species Regulations 2010 (as amended); species listed under Schedules 1, 5 and 8 of the Wildlife and Countryside Act 1981 (as amended); and species listed on the Natural Environment and Rural Communities Act (2006) Section 42 List of Species of Principal Importance in Wales.
[3] Including species listed in Local Biodiversity Action Plans; IUCN Red Data Book species; and bird species included on the RSPB Birds of Conservation Concern (3) red and amber lists.
[4] Ramsar Sites are considered as European Sites as a matter of UK and Welsh Government policy (Tyldesley & Chapman, 2013).

2.2 Survey methods

2.2.1 Habitats

The survey methodology followed the 'extended Phase 1' methodology as set out in Guidelines for Baseline Ecological Assessment (IEA, 1995). This method of survey provides information on the habitats in the survey area and the potential for legally protected species to occur on or adjacent to the site. The survey was carried out within the optimum survey window which extends from March-October; it is considered that reliable habitat classifications have been made.

The habitats were classified according to their vegetation types and presented in the standard Phase 1 habitat survey format (JNCC, 2010). Target Notes (TNs) were used to record species composition and to identify areas of particular interest including the potential for protected species to be present.

Whilst not a full protected species or botanical survey, the extended Phase 1 habitat survey methodology enables an experienced ecologist to obtain a sufficient understanding of the ecology of a site in order to either confirm the conservation importance of the site, and assess the potential for impacts on habitats/species likely to represent a material consideration in planning terms, or to ascertain that further surveys will be required before such confirmation can be made.

2.2.2 Species

In conjunction with the habitat survey, the potential for the Study Area to support any legally protected species and/or other species of nature conservation importance was recorded.

Relevant species included all those protected by European or UK law, and notable species including those species identified as being of principal importance in Wales in response to Section 42 of the Natural Environment and Rural Communities (NERC) Act 2006.

For the majority of species this was limited to the recording of field signs where present, or the presence of suitable areas of habitat. Specific consideration was given to the following species set out below.

Great Crested Newts (*Triturus cristatus*)

Waterbodies which could be accessed within the Study Area were subjected to a Habitat Suitability Index appraisal (HSI) (Oldham , Keeble, Swan, & Jeffcote, 2000) to assess their potential to support great crested newt.

The standard methodology has been designed to evaluate habitat quality and quantity in order to assess which ponds provide suitable habitat for great crested newt breeding (ARGUK, 2010).

The HSI is a numerical index, which ranges from 0 and 1. It is calculated using ten key habitat indices which are each scored on a scale from 0 to 1, where 1 is highly suitable and 0 is unsuitable. The HSI system is based on the assumption that habitat quality determines great crested newt presence/absence. The indices are set out in **Table 1** below.

Table 1 HSI Indices

Indices Number	*Topic*	*Description*
SI1	Geographic location	Map based consideration. Study Area located in zone B (ARGUK, 2010)
SI2	Pond area	Surface area of the pond up to 2000m², with index derived from a correlation graph within the guidance note (ARGUK, 2010)
SI3	Pond permanence	Frequency of drying of the pond on a four category scale: never dries, rarely dries, sometimes dries or dries annually.
SI4	Water quality	Four point scale of Good, Moderate, Poor or Bad.
SI5	Pond shading	Assessment of the percentage shading of the surface of the pond within 1m of the shore.
SI6	Waterfowl	Three point scale assessing the level of impact from waterfowl, determined as Absent, Minor or Major.
SI7	Fish	Four point scale on the presence of fish as Absent, Possible, Minor or Major
SI8	Pond density	Index derived from a count of the number of other ponds occurring within 1km using a correlation graph
SI9	Terrestrial habitat	Four point scale considering the quality and abundance of terrestrial habitat.
SI10	Macrophyte content	Estimation of the percentage of the water surface covered by macrophyte plants including emergent and floating plants (excluding duckweed (*Lemna sp.*)). Index derived from correlation graph.

The HSI score for each pond is calculated using the following equation:

$$\text{Pond HSI score} = (SI1*SI2*SI3*SI4*SI5*SI6*SI7*SI8*SI9*SI10)^{1/10}$$

This is amended for larger ponds over 2000m^2 by excluding SI2 and using the following equation:

$$\text{Large Pond HSI score} = (SI1*SI3*SI4*SI5*SI6*SI7*SI8*SI9*SI10)^{1/9}$$

The reens (water filled drainage ditches) within the Gwent Levels were also included within the scope of the HSI assessments. However due to the nature of these waterbodies, the calculation was adapted to discount the area, density and waterfowl indices. This approach was agreed with NRW in the 'M4 Corridor around Newport – Ecological Survey Consultation' letter dated 7th February 2014 and email response from Jessica Poole (NRW Team Leader) dated 3rd March 2014. These were discounted as the ratio of bank to water area is much greater in linear ditches than in ponds, as a result the impacts of waterfowl on bankside vegetation are also considerable less. Pond density was discounted as the reens

form part of a connected drainage network and this index would be high for all waterbodies within Levels area.

$$\text{Reen HSI score} = (SI1*SI3*SI4*SI5*\ SI7*\ SI9*SI10)^{1/7}$$

The results of the HSI calculation can subsequently be compared to categorised HSI scores used by the National Amphibian and Reptile Recording Scheme (ARGUK, 2010) in order to identify the probability of a pond supporting GCN based on the HSI Classification Scores in **Table 2** below.

Table 2 HSI Classification

Score	Suitability
> 0.8	excellent
0.7-0.79	good
0.6-0.69	average
0.5-0.59	below average
< 0.5	poor

In general, ponds with high HSI scores are more likely to support great crested newts and other amphibian species, compared to those with low scores. As a result, it is normally recommended that further presence/absence amphibian surveys are carried out on waterbodies that have higher HSI scores.

Invasive Plant Species

A search was also made for evidence of the presence of legally controlled invasive plant species within and immediately adjacent to the site. These are invasive plant species listed on Schedule 9 of the Wildlife & Countryside Act 1981 (as amended), which include:

- Japanese knotweed (*Fallopia japonica*);
- Indian balsam (*Impatiens glandulifera*);
- Giant hogweed (*Heracleum mantegazzianum*);
- Montbretia (*Crocosmia x crocosmifolia*);
- Various cotoneaster species (*Cotoneaster sp*);
- New Zealand pygmyweed (*Crassula helmsii)*; and
- Nuttall's waterweed (*Elodea nuttallii*).

2.3 Limitations and Assumptions

Some areas within the Study Area were inaccessible to survey either due to a lack of ownership or refusal to allow access by land owners or occupiers. These areas are shown on Drawing M4-OA-01-00-DR-Z-P1-0001. The principal area where this prevented surveys was within Newport Docks. Other areas affected were relatively small in size. Nevertheless, all areas identified as potentially diverse during the survey planning and throughout the surveys period were considered and the majority of each discrete habitat type/area was surveyed. Furthermore, the habitats recorded during the 2013 Arup surveys were added to the figures, which

in a few places in-filled the mapping, such as the Newport Landfill site and Household Waste Recycling Centre, located to the east of the River Ebbw.

3 Results

The results of the desk study and field surveys are presented below. For ease of description the Study Area has been divided in to a series of sections which are referred to in the following sections. The locations of these sections are shown on Drawings M4-OA-01-00-DR-Z-P1-0002 to M4-OA-01-00-DR-Z-P1-0009.

3.1 Desk Study

Designated sites within the Study Area are shown on Drawings M4-OA-01-00-DR-Z-XX-0259 to M4-OA-01-00-DR-Z-XX-0261 and described below.

3.1.1 Designated Sites

3.1.1.1 European Sites

There is one European Site present within the Study Area. This is the River Usk/Afon Wysg SAC. The Severn Estuary European Sites is also located immediately downstream of the Study Area boundary on the River Ebbw. The Severn Estuary European Site comprises the Severn Estuary SAC, SPA and Ramsar Site. The features of these sites are set out in **Table 3** below.

Table 3 Features of European Sites

Feature	Reasons for designation [Conservation status]
River Usk/Afon Wysg SAC	
Watercourses of plain to montane levels with the *Ranunculion fluitantis* and *Callitricho-Batrachion* vegetation	For which the area is considered to support a significant presence. [unfavourable: unclassified]
Sea lamprey (*Petromyzon marinus*)	For which this is considered to be one of the best areas in the United Kingdom. [unfavourable: unclassified]
Brook lamprey (*Lampetra planeri*)	For which this is considered to be one of the best areas in the United Kingdom. [favourable]
River lamprey (*Lampetra fluviatilis*)	For which this is considered to be one of the best areas in the United Kingdom. [favourable]
Twaite shad (*Alosa fallax*)	For which this is considered to be one of the best areas in the United Kingdom. [unfavourable: unclassified]
Atlantic salmon (*Salmo salar*)	For which this is considered to be one of the best areas in the United Kingdom. [unfavourable: unclassified]
Bullhead (*Cottus gobio*)	For which this is considered to be one of the best areas in the United Kingdom. [unfavourable: unclassified]
Otter (*Lutra lutra*)	For which this is considered to be one of the best areas in the United Kingdom. [favourable]

Feature	Reasons for designation [Conservation status]
Allis shad (*Alosa alosa*)	For which the area is considered to support a significant presence. [unfavourable: unclassified]
Severn Estuary SAC	
Estuaries	For which this is considered to be one of the best areas in the United Kingdom.
Mudflats and sandflats not covered by seawater at low tide	For which this is considered to be one of the best areas in the United Kingdom.
Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)	For which this is considered to be one of the best areas in the United Kingdom.
Sandbanks which are slightly covered by seawater all the time	For which the area is considered to support a significant presence.
Reefs	For which the area is considered to support a significant presence.
Sea lamprey	For which this is considered to be one of the best areas in the United Kingdom.
River lamprey	For which this is considered to be one of the best areas in the United Kingdom.
Twaite shad	For which this is considered to be one of the best areas in the United Kingdom.
Severn Estuary SPA[5]	
Bewick's swan (*Cygnus columbianus bewickii*)	Overwintering population of 280 individuals representing at least 4.0% of the wintering population in Great Britain (5 year peak mean 1991/2 - 1995/6)
European white-fronted goose (*Anser albifrons albifrons*)	Overwintering population of 3,002 individuals (5yr peak mean: 1988/9 to 1992/3) representing 50% of the British population and 1% of the north west European population (the SPA 2001 review advises the removal of this species from the citation)
Dunlin (*Calidris alpina alpina*)	Overwintering population of 44,624 individuals representing at least 3.2% of the wintering Northern Siberia/Europe/Western Africa population (5 year peak mean 1991/2 - 1995/6)
Redshank (*Tringa totanus*)	Overwintering population of 2,330 individuals representing at least 1.6% of the wintering Eastern Atlantic - wintering population (5 year peak mean 1991/2 - 1995/6)
Shelduck (*Tadorna tadorna*)	Overwintering population of 3,330 individuals representing at least 1.1% of the wintering North-western Europe population (5 year peak mean 1991/2 - 1995/6)
Gadwall (*Anas strepera*)	Overwintering population of 330 individuals (5yr peak mean: 1988/9 to 1992/3) representing 2.8% of the north west European population (the SPA 2001 review advises the removal of this species from the citation)
Curlew (*Numenius arquata*)	Overwintering population of 3,903 individuals representing at least 1.1% of the wintering Europe - breeding population

[5] Features taken from the JNCC website and Regulation 33 Package (CCW, 2009)

Feature	Reasons for designation [Conservation status]
	(5 year peak mean 1991/2 - 1995/6) (the SPA 2001 review advises the addition of this species to the citation)
Pintail (*Anas acuta*)	Overwintering population of 599 individuals representing at least 1.0% of the wintering north-western Europe population (5 year peak mean 1991/2 - 1995/6) (the SPA 2001 review advises the addition of this species to the citation)
Ringed plover (*Charadrius hiaticula*)	Migratory (passage) population of 655 individuals representing at least 1.3% of the Europe/Northern Africa - wintering population (5 year peak mean 1991/2 - 1995/6) (the SPA 2001 review advises the addition of this species to the citation)
Overwintering bird assemblage	Population regularly supports 93,986 individual waterfowl (5 year peak mean 1991/2 - 1995/6). This includes all species of waterfowl. Listed component species are: gadwall, shelduck, pintail, dunlin, curlew, redshank, spotted redshank (*Tringa erythropus*), Bewick's swan, wigeon (*Anas penelope*), lapwing (*Vanellus vanellus*), teal (*Anas crecca*), mallard (*Anas platyrhynchos*), shoveler (*Anas clypeata*), pochard (*Aythya farina*), tufted duck (*Aythya fuligula*), ringed plover, grey plover (*Pluvialis squatarola*), European white-fronted goose and whimbrel (*Numenius phaeopus*).
Severn Estuary Ramsar Site[6]	
Features under Criterion 1	
Due to immense tidal range (second-largest in world), this affects both the physical environment and biological communities.	Sandbanks which are slightly covered by seawater all the time
	Estuaries
	Mudflats and sandflats not covered by seawater at low tide
	Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
Features under Criterion 4	
This site is important for the run of migratory fish between sea and river via estuary.	Species include salmon, sea trout *Salmo trutta trutta*, sea lamprey, river lamprey, allis shad, twaite shad, and eel *Anguilla anguilla*. It is also of particular importance for migratory birds during spring and autumn.
Features under Criterion 6	
Bewick's swan	229 overwintering individuals, representing an average of 2.8% of the GB population (5 year peak mean 1998/9-2002/3)
European white-fronted goose	2076 overwintering individuals, representing an average of 35.8% of the GB population (5 year peak mean for 1996/7-2000/01)
Dunlin	25082 overwintering individuals, representing an average of 1.8% of the population (5 year peak mean 1998/9-2002/3)
Redshank	2616 overwintering individuals, representing an average of 1% of the population (5 year peak mean 1998/9-2002/3)
Shelduck	3223 overwintering individuals, representing an average of 1% of the population (5 year peak mean 1998/9-2002/3)

[6] features taken from the Regulation 33 Package (CCW, 2009) and the revised Criteria (2005) currently used on JNCC website

Feature	Reasons for designation [Conservation status]
Gadwall	241 overwintering individuals, representing an average of 1.4% of the GB population (5 year peak mean 1998/9-2002/3)
Possible future features under Criterion 6	
Teal	4456 overwintering individuals, representing an average of 1.1% of the population (5 year peak mean1998/9-2002/3)
Pintail	756 overwintering individuals, representing an average of 1.2% of the population (5 year peak mean 1998/9-2002/3)
Ringed plover	740 passage individuals, representing an average of 1% of the population (5 year peak mean 1998/9-2002/3)
Lesser black-backed gull (*Larus fuscus graellsii*)	4167 apparently occupied nests, representing an average of 2.8% of the breeding population (Seabird 2000 Census)
Features under Criterion 5	
Assemblage of international importance	Qualifies as it supports an assemblage of international importance - (1998/99-2002/2003 5 year peak mean was 70,919 waterfowl. Species with peak counts in winter: Overwintering assemblage population waterfowl (other than above) listed as noteworthy species are: wigeon, shoveler, pochard, water rail (*Rallus aquaticus*), and spotted redshank. Species with peak counts in spring/autumn: Spring/autumn passage assemblage population waterfowl (other than above) listed as noteworthy species are: little egret (*Egretta garzetta*), ruff (*Philomachus pugnax*), whimbrel, curlew and greenshank (*Tringa nebularia*). Species regularly supported during the breeding season: Herring gull (*Larus argentatus argenteus*), 1540 apparently occupied nests, representing an average of 1.1% of the GB population (Seabird 2000 Census).

One other European Site is located within the 10km search area. This is the Wye Valley and Forest of Dean Bat Sites / Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC, which is designated for its populations of lesser horseshoe bat (*Rhinolophus hipposideros*) and greater horseshoe bat (*Rhinolophus ferrumequinum*). This site is located approximately 8.5km to the north east of the Study Area.

3.1.1.2 Site Special Scientific Interest

The following SSSIs are within the boundary of the Study Area:

- Gwent Levels: Whitson SSSI
- Gwent Levels: Nash and Goldcliff SSSI
- Gwent Levels: Magor and Undy SSSI
- Gwent Levels: Redwick & Llandevenny SSSI
- Gwent Levels: St Brides SSSI
- River Usk SSSI

In addition there are a further six SSSIs within the 2km search area. The features of the SSSIs are set out in **Table 4** below.

Table 4 Features of SSSIs within 2km

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
Gwent Levels: Magor and Undy SSSI	Reen and ditch habitat including submerged plant species such as hairlike pondweed (*Potamogeton trichoides*), small pondweed (*P.berchtoldii)* and open water emergent such as arrowhead (*Sagittaria sagittifolia*) and the narrow-leaved water plantain (*Alisma lanceolatum*). Nationally rare and notable aquatic invertebrate species include the water beetle *Haliplus mucronatus* and the great silver water beetle (*Hydrophilus piceus)*. Snails and dragonflies including *Physa heterostropha* and hairy dragonfly (*Brachytron pratense)*. Terrestrial invertebrates such as *Pipunculus fonsecai* and *Tomosvaryella minima*. The site supports a total of 43 nationally rare and notable invertebrate species such as the soldier fly *Stratiomys furcata*, the snail killing fly *Pherbellia brunnipes*, and the water beetle *Haliplus mucronatus*. Brackish water fauna and flora such as the water beetle *Agabus conspersus* and brackish water crowfoot (*Ranunculus baudotii*).	Within Study Area
Gwent Levels: Nash and Goldcliff SSSI	Reen and ditch habitat including submerged species such as hairlike pondweed and open water emergent such as arrowhead. Two species of hornwort: soft hornwort (*Ceratophyllum submersum)* and rigid hornwort (*C.demersum).* Insects and other invertebrates: including aquatic invertebrate fauna such as the water beetle *Haliplus mucronatus* and the great silver water beetle*;* snails including *Physa heterostropha;* hairy dragonfly*;* ornate brigadier soldierfly (*Odontomyia ornata*); common green colonel *(Oplodontha viridula);* and water beetle *Hydaticus transversalis.* Large number of hedgerows provide habitat for important assemblage of terrestrial invertebrates such as the big-headed flies *Pipunuculus fonsecai* and *Tomosvaryella minimam.* The only area in Wales for the least duckweed (*Wolffia arrhiza*). Shrill carder bee (*Bombus sylvarum).*	Within Study Area
Gwent Levels: Redwick and Llandevenny SSSI	Reen and ditch habitat including submerged species such as hairlike pondweed and open water emergent such as arrowhead. Insects and other invertebrates: including aquatic invertebrate fauna such as the water beetle *Haliplus mucronatus* and the great silver water beetle. Snails including *Physa heterostropha* and dragonflies including hairy dragonfly. Large number of hedgerows provide habitat for important assemblage of terrestrial invertebrates such as the big-headed flies *Pipunuculus fonsecai* and *Tomosvaryella minima.*	Within Study Area

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
	Insects and other invertebrates including *Chalcis sispes* a parasite of the Stratiomys fly larvae, the beetle *Scirtes orbicularis*, and the drone fly *Pharhelophilus consimilis.* Nationally rare species include the rare whorled water milfoil *(Myriophyllum verticillatum)* located in peaty ditches in the northern part of the site and the brackish water crowfoot associated with the ditches bordering the sea wall.	
Gwent Levels: St Brides SSSI	Reen and ditch habitat including submerged species such as hairlike pondweed and openwater emergent such as arrowhead. Insects and other invertebrates: including aquatic invertebrate fauna such as the water beetle *Haliplus mucronatus* and the great silver water beetle. Snails including *Physa heterostropha* and dragonflies including hairy dragonfly. Large number of hedgerows provide habitat for important assemblage of terrestrial invertebrates such as the big-headed flies *Pipunuculus fonsecai* and *Tomosvaryella minima.* The reens support a number of interesting plant species most notably thread-leaved water-crowfoot (*Ranunculus trichophyllus)* and the small pondweed. Reen bank and green lane habitats in this area are also important for relict meadow plant species such as the regionally notable grass vetchling (*Lathyrus nissolia)* and common meadow-rue (*Thalictrum flavum).* Rich invertebrate communities with a number of nationally notable and notable marshland species e.g. the true fly *Chrysogaster macquarti* and the beetle *Hydaticus transversalis.* The only area on the Gwent Levels where the rare fly *Stenomicra cogani* has been recorded.	Within Study Area
Gwent Levels: Whitson SSSI	Reen and ditch habitat including submerged species such as hairlike pondweed and open water emergent such as arrowhead. These species grow in abundance in several main reens in this area. Insects and other invertebrates: including aquatic invertebrate fauna such as the water beetle *Haliplus mucronatus* and the great silver water beetle. Snails including *Physa heterostropha* and dragonflies including hairy dragonfly. Large number of hedgerows provide habitat for important assemblage of terrestrial invertebrates such as the big-headed flies *Pipunuculus fonsecai* and *Tomosvaryella minima.* The Whitson area is of particular importance for its large number of nationally rare and notable invertebrate species. A total of 65 of these rare invertebrates have been recorded in this area including the true flies *Anthomyza bifasciata* and *Coptophlebia volucris* and the great silver water beetle. The only location in Gwent for the tussock sedge (*Carex elata).*	Within Study Area

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
River Usk (Lower Usk) / Afon Wysg (Wysg Isaf) SSSI	The Usk is of special interest as a fine example of a river running over sandstones and for its associated plant and animal communities. The River Usk (Lower Usk) from Abergavenny to Newport, is a rare example of a large mesotrophic lowland river which has not been subject to significant modification by man. The Lower Usk has developed a wide floodplain with a complex and active system of meanders, cut-off and back channels which contribute to the biological interest and diversity of the site. Below Newbridge the upper mud banks of the river are colonized by saltmarsh species such as sea aster (*Aster tripolium),* saltmarsh-grass (*Pucinellia* spp.) and scurvy grass (*Cochlearia* spp.). Occasionally inundated grassland along the tidal reaches is dominated by couch grass (*Elytrigia repens)* and supports regionally rare species including bulbous foxtail (*Alopecurus bulbosus),* marsh-mallow (*Althaea officinalis)* and marsh helleborine (*Epipactis palustris).* Internationally significant migratory and non-migratory fish fauna such as chub (*Leuciscus cephalus),* roach (*Rutilius rutilius),* dace (*Leuciscus leuciscus)* and bullhead. Several rare and scarce species including the river lamprey, twaite shad and allis shad all migrate through the Severn Estuary and spawn at various localities in the river. Large number of European eel migrate up the river with spring tides. Game fish include brown trout (*Salmo trutta fario),* sea trout and Atlantic salmon. The river also supports the non-migratory brook lamprey. The river also supports an expanding population of otters. Frequent tree cover provides valuable feeding and roosting habitats for several bat species including Daubenton's bat (*Myotis daubentonii).* The river banks are frequently lined with willow and alder. In addition, there are larger areas of woodland adjacent to the river dominated by these species or by sycamore (*Acer pseudoplatanus),* pendunculate oak and ash. The River Usk (Lower Usk) supports a wide range of riverside breeding birds such as sand martin (*Riparia riparia)* and kingfisher (*Alcedo atthis).* Marsh warbler (*Acrocephalus palustris)* breeds in riparian habitat along the river banks. The cut-off meander at Llanfihangel Gobion is an important area for wintering and passage migrants including teal, greenshank and green sandpiper (*Tringa ochropus).* The invertebrate assemblages of craneflies including rare and scarce species such as *Limonia omissinervis, Erioptera limbata* and *Rhabdomastix hilaris, Gonomyia abbreviate* and *Cheilotrichia imbuta.* The rare mayfly *Potamanthus luteus* can be found in the river and there are also localised populations of the Atlantic stream crayfish (*Austropotamobius pallipes).*	Within the Study Area

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
	Woodlands dominated by alder and willows , marshy grassland, stands of tall herb, swamp and fen vegetation, saltmarsh and coastal grassland are all also present within the SSSI. A group of rare craneflies, yellow wagtail (*Motacilla flava),* grey wagtail (*M.cinerea)* and dipper (*Cinclus cinclus)* occur above the tidal limit at Newbridge-on-Usk.	
Rectory Meadow – Rogiet SSSI	The only extant and recorded native site of meadow clary (*Salvia pratensis)* in Wales.	100m east of the Study Area
Magor Marsh SSSI	Largest remnant of the formerly extensive fenlands near the Gwent coast. Site supports a variety of common reed (*Phragmites australis),* sedge (*Carex spp.)* and submerged and emergent aquatic plants. Areas of wet meadow and both willow (*Salix spp.)* and alder (*Alnus glutinosa)* carr (woodland) with an intersecting system of drainage ditches, reens and ponds. Important breeding ground for water and marsh birds.	100m from Study Area
Gwent Levels: Rumney and Peterstone SSSI	Reen and ditch habitat including submerged species such as hairlike pondweed and open water emergent such as arrowhead. Insects and other invertebrates: including aquatic invertebrate fauna such as the water beetle *Haliplus mucronatus* and the great silver water beetle. Snails including *Physa heterostropha* and dragonflies including hairy dragonfly. Large number of hedgerows provide habitat for important assemblage of terrestrial invertebrates such as the big-headed flies *Pipunuculus fonsecai* and *Tomosvaryella minima.* The area supports a number of important plant species including the nationally rare brackish water-crowfoot and several regional rarities including the pondweeds *Potamogeton obtusifolius* and small pondweed. The northern section of this SSSI is a stronghold on the Gwent Levels for the flowering rush *Butomus umbellatus.* Insects and other invertebrate fauna with a number of nationally notable species largely confined to this sub-unit including the marsh-flies *Pherbellia brunnipes* and *Lamprochromus elegans,* the water-beetle *Plateumaris braccata* and the variable damselfly (*Coenagrion pulchellum).*	500m south of Study Area
Penhow Woodlands SSSI and NNR	Two areas of ancient semi-natural woodland situated mainly on steep slopes and summits of limestone hills covered with superficial deposits of a calcareous nature.	1km north of Study Area

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
	The dominant canopy tree species are lime (*Tilia cordata),* ash (*Fraxinus excelsior),* gean (*Prunus avium),* wych elm (*Ulmus glabra),* field maple (*Acer campestre)* and localised pendunculate oak (*Quercus robur).* The absence of birch (*Betula* spp.*)* and oak from much of the wood and the presence of a number of fine ancient pollarded trees along with a complex of parish boundaries are additional features. The ground flora includes a number of nationally rare and locally distributed species, including upright spurge (*Euphorbia serrulata),* green hellebore (*Helleborus viridis),* bird's nest orchid (*Neottia nidus-avis),* and wild daffodil (*Narcissus pseudonarcissus).* Part of this site is subject to a Tree Preservation Order (TPO).	
Severn Estuary SSSI	The intertidal zone of mudflats, sand banks, rocky platforms and saltmarsh is one of the largest and most important in Britain. The estuarine fauna include: internationally important populations of waterfowl; invertebrate populations of considerable interest; and large populations of migratory fish, including the nationally rare and endangered allis shad. Beds of eel-grass (*Zostera* spp.) occur on the more sheltered mud and sand banks. The estuary fringes have large areas of saltmarsh. A range of saltmarsh types is present, with both gradual and stepped transitions between bare mudflat and upper marsh. Glassworts (*Salicornia* spp.) and annual sea-blite (*Suaeda maritime)* colonise bare mud on the lower saltmarshes, and disturbed areas at higher levels. Common cord-grass (*Spartina anglica)* is abundant on the seaward fringes of marshes, where it occurs as dense monocultures, or with other species, such as sea aster, greater sea-spurrey (*Spergularia media)* and common saltmarsh-grass (*Puccinellia maritima)*. The middle marsh is mainly dominated by common saltmarsh-grass, and frequent associates include sea-milkwort (*Glaux maritima),* english scurvygrass (*Cochlearia anglica)* and sea arrowgrass (*Triglochin maritima),* together with two nationally scarce plants bulbous foxtail and slender hare's-ear (*Bupleurum tenuissimum)*. There are a few localities for an uncommon middle marsh community, which is characterised by sea-lavender (*Limonium vulgare)* and thrift (*Armeria maritime)*. Prominent species on the upper marsh are red fescue (*Festuca rubra)* and saltmarsh rush (*Juncus gerardi)*. Nationally scarce species occurring on the upper marshes include sea clover (*Trifolium squamosum)* and sea barley (*Hordeum marinum)*. Highly saline drying pans on the upper marsh support a community with abundant reflexed saltmarsh-grass (*Puccinellia distans)* and lesser sea-spurrey (*Spergularia marina)*. The highest saltmarsh around the driftline is usually dominated by sea couch (*Elymus pycnanthus),* with spear-leaved orache (*Atriplex prostrate)*. Some brackish pools and depressions on the upper marshes have small stands of common reed or sea club-rush (*Scirpus maritimus)*. Corn parsley (*Petroselinum segetum),* a European rarity, occurs within the site.	1.5km south of the Study Area

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
	Seven species of migratory fish move through the Estuary between the sea and rivers. There are particularly large numbers of Atlantic salmon and common eel. The other species are allis shad, the nationally rare twaite shad, the sea trout, sea lamprey and the river lamprey. The SSSI is of international importance for wintering and passage wading birds, with total winter populations averaging about 44,000 birds. Numbers can be considerably higher during severe winters when owing to its mild climate, the Severn supports wader populations that move in from the colder coasts of Britain. The SSSI holds most of the estuary's internationally important curlew and redshank populations, and most of its nationally important ringed plover and grey plover populations. Other waders which occur in significant numbers within the SSSI are common snipe (*Gallinago gallinago)*, knot (*Calidris canutus)*, whimbrel and turnstone (*Arenaria interpres)*. The SSSI is internationally important for dunlin and supports about 7.5% of the British wintering population of this species. The estuary as a whole supports about 10.5% of the British wintering population and is the single most important wintering ground of dunlin in Britain. In late winter and early spring the SSSI supports nationally important numbers of shelduck, following the partial dispersal from their moulting grounds in Bridgewater Bay. There are also significant numbers of wigeon.	
Brockwells Meadows SSSI	Species rich ancient pasture on lime rich soils overlying Carboniferous Limestone and Triassic rocks. Herbaceous plant species including autumn lady's tresses (*Sprianthes spiralis*), large wild thyme (*Thymus pulegioides*) and green winged orchid (*Orchis morio*). Macro-invertebrate fauna including the rare hornet robber fly (*Asilus crabroniformis*) and the great green bush cricket (*Tettigonia viridissima*).	2km east
Newport Wetlands SSSI and National Nature Reserve (NNR)	In winter, Newport Wetlands SSSI supports nationally (UK) important numbers of shoveler and black-tailed godwit (*Limosa limosa).* Other over-wintering species that use the site include gadwall, wigeon, shelduck, dunlin, redshank, whimbrel and curlew. In summer, the wet grasslands, saline lagoons and reedbeds on the site support an exceptional variety of breeding birds, including nationally (UK) important breeding populations of avocet (*Recurvirostra avosetta)*, redshank, lapwing, water rail, Cetti's warbler (*Cettia cetti)* and bearded tit (*Panurus biarmicus).* Also breeding populations of ringed plover and the little ringed plover (*Charadrius.dubius)* are also present. Diverse aquatic invertebrate assemblage with many nationally rare and scarce species present, including the great silver water beetle, the water beetle *Hydraticus transversalis* and the ornate brigadier soldierfly. The nationally scarce spider *Tetragnatha striata* has a strong population in the reedbeds and the nationally scarce shrill carder bee is found throughout the site.	2km south of Study Area

Name of Site of Special Scientific Interest (SSSI)	Features of Special Scientific Interest	Distance from Study Area
	The watercourses are rich in plant species and communities, many of which are rare or absent in other level systems. The mosaic of ditch types provide a mosaic of habitats. In the ditches submerged species such as curly pondweed (*Potamogeton crispus)*, rigid hornwort, and occasionally stoneworts (*Chara* spp.) grow. Among the most notable species is hairlike pondweed. High diversity of floating plants, with all five British native duckweed species and frog-bit (*Hydrocharis morsus-ranae)* frequently abundant. Nationally scarce least duckweed. Along the banks, fool's watercress (*Apium nodiflorum)*, lesser water-parsnip (*Berula erecta)*, tubular water dropwort (*Oenanthe fistulosa)* and water plantain (*Alisma plantago-aquatica)* occur. Reedbeds which in wetter areas the vegetation is almost entirely composed of common reed. In drier areas it is joined by marsh bedstraw (*Galium palustre)*, hemp agrimony (*Eupatorium cannabinum)* and great willowherb (*Epilobium hirsutum).* The site has a number of other habitats including hedgerows, scrub, woodland and grassland.	

3.1.1.3 Sites of Importance for Nature Conservation and Local Nature Reserves

Information on Sites of Importance for Nature Conservation (SINCs), Local Nature Reserves and Wildlife Trust Reserves within 1km has been provided by SEWBReC. The Study Area crosses three administrative areas (Cardiff, Newport and Monmouthshire) and the sites within them are described below from west to east across the Study Area as shown on Drawing M4-OA-01-00-DR-Z-XX-0261.

Part of the search area lies within the administrative area of Cardiff City Council, who have identified a series of SINCs. The following SINCs are located within the search area:

- Nant Mwlan Wood SINC adjacent to the M4 south of Began. A small area of woodland which qualifies as a SINC due to records of dormouse (*Muscardinus avellanarius*).
- Druidstone Road SINC on the edge of the 1km search area near St Mellons. This site is a lowland neutral grassland meadow with species leading to SINC selection including common bird's-foot trefoil (*Lotus corniculatus)*, common knapweed (*Centaurea nigra*), cuckoo flower (*Cardamine pratensis*), lesser stitchwort (*Stellaria graminea*), meadow fescue (*Festuca pratensis*), oxeye daisy (*Leucanthemum vulgare*), red clover (Trifolium pratense) and tufted vetch (*Vicia cracca*).
- Tyla Farm Wood SINC south of the A48(M) near St Mellons. It is an area of woodland divided by the A48, which qualifies as a SINC because it is an ancient semi-natural woodland. It also supports otter and green woodpecker (*Picus viridis*).

Part of the search area lies within the administrative area of Newport City Council, who have identified a series of SINCs. The following SINCs are located within the search area:

- Pant-Rhiw-Goch Wood SINC in the Druidstone area is an ancient semi-natural woodland.
- Coal Pit Lane Pond SINC in the Druidstone area is a mature pond with emergent vegetation.
- White Gates SINC is on the northern edge of the 1km search radius near Michaelstone-y-Fedw. It contains species-rich semi-improved neutral grassland.
- Celtic Springs SINC is on the northern edge of the 1km search radius in the Duffryn area. It comprises a post-industrial mosaic habitat with neutral grassland and calcareous grassland.
- LG Duffryn Site 1 (South Lake Drive) SINC in the Duffryn area is a pond/*Phragmites* reedbed, supporting Cetti's warbler.
- LG Duffryn Site 2 SINC in the Duffryn area is a large area of neutral grassland adjacent to Gwent Levels.
- Duffryn Pond SINC in the Duffryn area is a pond with emergent swamp vegetation, which supports a range of important invertebrates, plant, reptile, amphibian and mammal species.

- Afon Ebbw River SINC is a major river system with associated semi-improved neutral grassland and marshy grassland, swamp, scrub and semi-neutral woodland. Associated species include: bulbous foxtail near the confluence with the River Usk; kingfisher; sand martin; and grass snake (*Natrix natrix*).
- Marshall's SINC in the Newport Docks area is a mosaic of neutral grassland, post-industrial habitat and wetland.
- Solutia Site SINC is a series of improved and semi-improved grasslands with traditional ditches and ponds; site supports a range of species including nesting birds such as Cetti's warbler, and invertebrates including hairy dragonfly.
- Alpha Steel Site SINC just south of the Solutia Site SINC is an area reed beds, scrub and and other habitats which support a range of species including scarce moth species, birds such as Cetti's warbler, and plants including orchids (*Epipactis palustris*, *Ophrys apifera*, *Anacamptis pyramidalis*, *Dactylorhiza* spp.)
- Spencer Works 3 SINC in the Tata Lagoons area is designated for marshy grassland with wet drains.
- Elver Pill Reen Grassland & Pond SINC in the Tata Lagoons area is a lagoon with a mosaic of swamp, marshy grassland and dry semi-improved neutral grassland; supports Cetti's warblers.
- Greenmoor Pool SINC is on the northern edge of the 1km search radius near Gwent Europark. Formerly standing water which now supports reed swamp (UKBAP Priority Habitat), which itself supports bird populations including Cetti's warbler.
- Wilcrick Fort West SINC at Wilcrick is unimproved neutral grassland on slopes.

Part of the search area lies within the administrative area of Monmouthshire County Council, who have identified a series of SINCs. The following SINCs lie within the search buffer:

- Upper Cottage Pond SINC in the Llandevenny area is a pond site surrounded by agriculturally improved fields. The main interest lies with the abundance of water whorl-grass (*Catabrosa aquatica).* There are mature pendunculate oak to the south of the pond. This pond is within a candidate Local Development Plan (LDP) site.
- Bowkett Field, Barecroft SINC in the Bareland Street area is a large, linear, flat field which comprises tall swamp/marshy grassland and appears to be overgrown and neglected. Around the field margins, the reens, particularly on the eastern edge support mature willow scrub, host many bird species. A small piece of land at the entrance to the site (in the north) comprises overgrown willow scrub and some interesting herb species including common knapweed and tall melilot (*Melilotus altissimus)* which supports abundant invertebrate life.
- Barecroft Fields SINC in the Bareland Street area is two large, flat fields, comprising semi-improved, relatively species-poor damp grassland/wet pasture. However, there are some localised and widespread patches of

uncommon species such as common meadow rue and meadow thistle (*Cirsium dissectum)*.

- Land at Barecroft Common SINC in the Bareland Street area is three large, flat fields on the Gwent Levels at Magor. All fields comprise semi-improved damp grassland, which is ungrazed/uncut. The fields have supported nesting birds such as lapwing and curlew.
- Bluehouse Farm SINC in the Magor Marsh area consists of two field units which are partially divided by a ditch but are otherwise physically continuous with each other. The site comprises a botanically interesting tall mosaic of damp and dry grassland habitats, lying on fairly level ground and enclosed by ditches and reens (which support important aquatic flora including least duckweed and form part of the Gwent Levels Magor & Undy SSSI).
- Blackwall Lane Field SINC in the Magor Marsh area is a small, horse grazed, flat meadow, off Blackwall Lane.
- Grange Road SINC in the Magor area is two fields including a flat low lying field with a watercourse and a gentle to moderately sloping fields towards the east of the site. The site includes an unmodified stream that runs north to south along the western boundary of the site. The fields include species-rich neutral grassland on the steeper slopes to the east of the site and semi-improved neutral grassland between the more diverse lope and the stream to the east. The richer grasslands include a range of forbs indicative of the unimproved nature of the ground.
- Upper Grange Farm Field SINC in the Knollbury area is a species-rich grassy bank, comprising some areas of rank, tussocky grass. This bank forms the south-eastern boundary of a larger field comprising improved grassland, which is cattle grazed.
- Grange Wood & The Larches SINC in the Knollbury area is designated for ancient semi-natural woodland and currently does not have SINC summary information available.
- Bridewell Common Field SINC in the Magor Marsh area is two large flat fields; Field 1 comprising damp rush pasture and Field 2 comprising dense swamp.
- Wood West of Common-y-Coed SINC in the Knollbury area is designated for ancient semi-natural woodland and currently does not have SINC summary information available.
- Breezy Bank to Rockfield Farm SINC is a narrow strip of broadleaved woodland/scrub on a north facing slope. It is well developed and has a good structure with a variety of species including a woodland ground flora.

No Local Nature Reserves were identified by SEWBReC within 1km of the Study Area.

Information on Wildlife Trust Reserves within 1km has been provided by SEWBReC. The sites are described below from west to east across the Study Area.

- Solutia Wildlife Trust Reserve lies to the south of the Solutia SINC and to the east of the Alpha Steel SINC. This reserve, located on the Gwent Levels, is notable for its grasslands, crossed by a system of reens and grips (drainage features).

- Magor Marsh Wildlife Trust Reserve a relatively natural area of fenland on the Gwent Levels. It comprises fields, reens and ponds to the south of Magor and Barecroft, including the Magor Marsh SSSI.

3.1.2 Protected species

3.1.2.1 Birds

There are large numbers of bird records from across the Study Area, including across the Gwent Levels and particularly around the main rivers, the River Usk and the River Ebbw; and from the Newport Wetlands area.

The records of 'key species' have been categorised as follows and are described below:

- 'SPA species' listed as a reason for designation of the Severn Estuary SPA or as a feature on the Severn Estuary Ramsar description;
- 'Schedule 1 Species' listed on Schedule 1 of the Wildlife and Countryside Act 1981; and
- 'Other notable species' listed on other conservation lists including the NERC S42 list[7].

SPA Species

The relevant species are detailed in Table 3. Within the 2km Study Area the following bird records have been provided by SEWBReC:

- Bewick's Swan (also listed on Schedule 1) - three records: St Brides, St Brides Wentlooge, Newport Wetlands Reserve
- Curlew – four records at Goldcliff and River Usk (1992, 1996, 2006 and 2007).
- Pintail – Alpha Steel, Newport Wetlands and River Usk (1992-2007).
- Ringed plover - nesting near Cleppa Park (2011) and recorded near River Usk and at Newport Wetlands.
- Lapwing – 27 records at Wentlooge, St Brides, Uskmouth, Redwick and Magor.
- Whimbrel – three records: Newport Wetlands (2008), Magor and Alpha Steel (historic).
- Ruff (also listed on Schedule 1) – Newport Wetlands and Alpha Steel (2004 and 1993).
- Common greenshank (also listed on Schedule 1) – four records from Newport Wetlands 1992-2008.

[7] The S42 list can be found at http://www.biodiversitywales.org.uk/49/en-GB/Section-42-Lists

Schedule 1 Species[8]

Records for the following Schedule 1 bird species likely to be breeding within the 2km Study Area have been provided by SEWBReC:

- Avocet – breeding at Newport Wetlands 2009.
- Common crossbill (*Loxia curvirostra)* – 5 records: Magor Marsh, Lower Minnetts Wood, Minnetts Wood.
- Hobby (*Falco subbuteo)* – River Usk and Whitson.
- Kingfisher – various records including Levels south of Newport, Newport Wetlands, River Usk and Magor Marsh.
- Red kite (*Milvus milvus)* – at Whitson and Newport Wetlands (2007 and 2008).
- Barn owl (*Tyto alba)* - 38 records of sightings and mortalities: M4 (various), A48(M) (various), Redwick, Newport (various), Magor, Newport Wetlands (various), Nash, Uskmouth, St. Brides, Wentlooge Levels, Lower Machen, Hendre Lake, Marshfield.
- Peregrine (*Falco peregrinus)* – Records from Alpha Steel and Whitson (1992-1994 and 2006).
- Little ringed plover – four records at River Usk, Newport Wetlands and Alpha Steel.
- Quail (*Coturnix coturnix)*
- Bearded tit - 53 records including sightings and calls: Uskmouth (including reedbeds), Nash, Newport Wetlands (including Reserve) Saltmarsh Lane.
- Cetti's warbler - 164 records: Marshfield, St Brides Wentlooge, Uskmouth, Newport Wetlands, Newport Wetlands Reserve, Nash, Magor, Redwick + various other locations. Numerous records from Uskmouth, Newport Wetlands, Magor Marsh (1992-2010).

Other Notable Species

Other notable bird species records provided by SEWBReC are summarised in **Table 5** below.

Table 5 Notable bird species recorded within the Study Area (provided by SEWBReC)

Species	Conservation Listing	Summary of Records
Golden plover (*Pluvialis apricaria)*	S42 list, RSPB Amber list	One record at Alpha Steel (1992-1994).
Bar tailed godwit (*Limosa lapponica)*	S42 list, RSPB Amber list	At West Usk lighthouse (2006-2008).

[8] Protection is conveyed to species listed on Schedule 1 during the breeding season only, therefore only those likely to be breeding within the area have been included.

Previous Studies

The New M4 Project surveys recorded a total of 82 bird species along the indicative line of the New M4 proposals during the winter season. Of these, 38 species were key species (as described in Section 3.1.2.1 above). Key species were recorded at every survey point, although relatively few were present at Newport Docks or in the area surrounding Meardy Farm, overall bird activity in these areas also being low. Wintering thrushes were recorded at the majority of farmland sites surveyed. Surveys carried out at the mouth of the River Usk confirmed that the majority of bird movements occur between the mudflats and saltmarsh habitats, with very little other activity occurring. Only gulls and very low numbers of waders are present further along the River Usk from its mouth.

The New M4 Project surveys showed the following six areas within the proposed New M4 corridor to be of greatest value to breeding birds:

- the woodland and hedgerows at New Park Farm
- Berryhill Farm and the scrub and woodland to the south
- land to the east of the LG electronics plant
- the River Ebbw creek and fields to the immediate west
- the scrub between Solutia and Pye Corner, and
- the scrub, lagoon and reedbed areas of the Corus Steelworks.

Overall, a total of 20 key species were encountered within the proposed route corridor during the surveys. An additional eight key species were recorded within close proximity to the New M4 at the River Usk mouth and the Magor Marsh Wildlife Trust Reserve.

3.1.2.2 European Protected Species

Bats

SEWBReC provided bat records within and up to a 5km distance from the Study Area. Very few records of bats are present within the Study Area, however large numbers of records are present within the 5km search buffer. A total of twelve of the seventeen known resident British bat species have been recorded within this buffer. The bat records are described below in terms of approximate descriptive locations to protect the locations of known bat roosts from potential public disturbance.

Bat activity has been recorded across the whole of the 5km search buffer from Cardiff to Caerwent, with particular notable activity ‘hotspots’ of common pipistrelle (*Pipistrellus pipistrellus*), soprano pipistrelle (*Pipistrellus pygmaeus*), noctule (*Nyctalus noctula*) and Daubenton’s bats within the Newport Wetlands.

Significant bat roosts have been identified in the following general areas:

- Caerwent where between 266 and 298 lesser horseshoe bats have been recorded;
- Llanwern Village where a brown long-eared bat (*Plecotus auritus)* roost is located;

- An unidentified roost of 20-50 bats in Marshfield;
- A lesser horseshoe bat hibernation roost in Portskewett;
- A brown long-eared bat roost in Malpas;
- A brown long-eared bat roost at Caerleon;
- A brown long-eared bat roost in Castleton;
- A pipistrelle roost in Llanmartin;
- A greater horseshoe bat roost at Ruperra Castle;
- Lesser horseshoe bat roosts at Draethan and Rogiet;
- A common pipistrelle and soprano pipistrelle bat roost near Draethen; and
- A lesser horseshoe roost at Llanfair Discoed.

Day roosts have been recorded at Druidstone (noctule and common pipistrelle) and Langstone (whiskered bat (*Myotis mystacinus*) and soprano pipistrelle).

The remaining bat species were Leisler's (*Nyctalus leisleri*) recorded in St Mellon's and Magor; Nathusius's pipistrelle (*Pipistrellus nathusii*) at Druidstone and in Newport; Natterer's bat (*Myotis nattereri*) at Caerwent, Rogerstone, Ifton and Rhiwderin; serotine (*Eptesicus serotinus*) recorded in St Mellon's and Magor; and whiskered/Brandt's bats (*Myotis mystacinus*/*Myotis brandti*) at Rhiwderin, Ifton and around J28.

The New M4 Project surveys during 2007/8 reported a total of nine different species identified during the roost emergence and bat activity surveys within the study area. These are common pipistrelle, soprano pipistrelle, brown long-eared bat, Natterer's bat, whiskered/Brandt's bat, Daubenton's bat, lesser horseshoe bat, noctule and serotine. The reen activity survey revealed that bats are using the reen network for commuting and foraging, particularly in areas where the habitat is undisturbed and more densely vegetated.

A total of twelve buildings (or similar structures) within the New M4 study area were confirmed as roost sites for bats, through a combination of desk study and survey work dating back to 1998. Additionally, six structures were identified as possible roost sites for bats.

Dormouse

Previous records of dormouse provided by SEWBReC are at two locations outside the Study Area. The first location is to the north-west of St Mellons, approximately 2km west of the Study Area, where dormouse evidence was found in the form of characteristically chewed hazelnuts. The other location is within woodland near Druidstone, approximately 1.5km west of the Study Area, where a small number of individual dormice and dormouse nests were found.

The New M4 Dormouse Survey Report (2007) confirmed dormice to be present at the extreme western area of the New M4 route alignment at four sites: New Park Farm; New Park Farm east; south of New Park Farm; and east of Pound Hill. Based on these results and other data obtained for this site, it was considered that a breeding population was resident within these woodlands and hedgerows.

Otter

There are numerous records for otters throughout the Study Area and up to 2km, focused around the main rivers (River Rhymney, Ebbw River and River Usk) and across the Gwent Levels. Signs of otters including footprints, spraints and live otter sightings have been made at the following locations:

- Within the Study Area just south of Duffryn; on the Wentloog Levels south of Duffryn (1km south of the Study Area);
- Along Percoed Reen within the Study Area;
- Within the Study Area along the Ebbw River;
- Within the Study Area south-east of Magor;
- On the edge of the Study Area at Tata Lagoons;
- Along the River Usk approximately 100m north of the Study Area;
- Around Duffryn Pond (500m north of the Study Area);
- Within Magor Marsh Gwent Wildlife Trust Reserve (500m south-east of Study Area);
- On the Wentloog Levels at Marshfield (2km south of the Study Area); along the Ebbw River near Tredegar House at Duffryn (1km north of the Study Area);
- Along the River Rhymney on the edge of the Study Area to the north of St Mellons and north of Michaelston-y-Fedw (1.5km north of the Study Area);
- At Newport Wetlands (2km south of the Study Area); and
- At Whitson (2km south of the Study Area).

Otter fatalities have been recorded at the following locations:

- On the Llanwern Steelworks road near the Tata Reedbeds (within the Study Area);
- At Bowleaze Common (within the Study Area);
- Three records along the A4810 near the Gwent Europark (within the Study Area);
- At J23a of the M4 (within the Study Area);
- On the A48 at St Mellons (1km west of the Study Area);
- On the A48 in Duffryn (1.5km north of the Study Area);
- Tredegar Park Roundabout (2km north of the Study Area); and
- Along the M4 at J30 and Began (2.5km west of the Study Area).

The New M4 Project surveys during 2007/8 recorded signs of otter activity at eight locations within the survey area, with three suspected holts identified at locations all in close proximity to the potential corridor. A concentration of observations was recorded south east of the Tata steel works. Otter field signs were also recorded just east of Magor Services towards the eastern end of the proposed development corridor. Concentrations of field signs for otters, including three suspected otter holts, were also recorded in and around Greenmoor Farm, which lies to the south east of the Tata steel works.

Great Crested Newt

SEWBReC provided records of great crested newts within and to the south of the Study Area: within ponds at Solutia; within the Tata Reedbeds; and in Marshfield (approximately 2km south of the Study Area).

The New M4 Project surveys confirmed the presence of great crested newts within two ponds in the Tata Steelworks reedbeds.

3.1.3 Other Protected and Notable Species

3.1.3.1 Mammals

Badger (*Meles meles)*

The only record provided by SEWBReC of badger activity within the Study Area was for a badger fatality on the A48(M) J29a slipway to the M4. Within the wider search area badgers have been recorded in three main areas:

- Pentre Poeth approximately 2km away from the Study Area to the north of Coedkernew where three social clans were identified including active main setts;
- Newport Wetlands approximately 3km away from the Study Area to the south of Pye Corner where badger activity has been recorded; and
- Penhow approximately 2km away from the Study Area to the north of Magor where a sett and badger activity have been recorded.

The New M4 Project surveys identified two main concentrations of badger activity during the surveys undertaken in 2007/8. The first of these is in the vicinity of New Park Farm, Castleton, where large numbers of latrines were present within the adjacent woodland to the west of the farm along with footprints defining a badger path along the field edge. A main sett is located along the line of a hedgerow to the east. The second area is at Magor, where numerous badger pathways were found within an area of woodland and a single badger was observed. Additional badger paths were found within the woodland around Magor Vicarage.

Evidence of badger activity was also found along the existing M4 motorway verge in two locations, at the western end of the scheme near New Park Farm and at the eastern end of the scheme at Red Barn.

Water voles (*Arvicola amphibius*)

Previous records of water voles provided by SEWBReC are on the edge of the Study Area just south of the Tata Lagoons, and within the Magor Marsh Gwent Wildlife Trust Reserve approximately 500m east of the Study Area. These records are all sightings of live individuals.

The New M4 Project surveys determined that water vole activity across the survey area was greatest within the Caldicot levels. A cluster of field signs and observations was recorded from the area lying to the south and south/east of the

Tata steel works. Further field signs for water voles were recorded along several reens near the village of Coedkernew, west of the River Usk.

S42 Mammal Species

Three Section 42 mammal species have been recorded within the desk study search area: polecat (*Mustela putorius*); hedgehog (*Erinaceus europaeus*); and brown hare (*Lepus europaeus*).

Records of hedgehog include a road casualty at Coal Pit Lane, Castleton and records within Marshfield and Duffryn, all approximately 2km from the Study Area. The Marshfield records constitute live hedgehogs recorded during the Cardiff Garden Wildlife Survey 2008, and the Duffryn records are of two road casualties along the M4 and at Cleppa Park, and one live sighting to the west of the Ebbw River.

A single record for polecat has been made within the Study Area, of a road fatality on the M4. Just outside the Study Area, to the north of Coedkernew, another polecat was recorded crossing the M4.

Brown hares have been recorded outside the Study Area, approximately 200m south at Broadstreet Common and at Magor Marsh Gwent Wildlife Trust Reserve which lies approximately 100m outside of the Study Area. These records are all of live individual sightings.

3.1.3.2 Invertebrates

Invertebrate records provided by SEWBReC are predominantly in the western part of the Study Area. These are mostly shrill carder bees located around Castleton, Coedkernew, River Ebbw and Duffryn, and brown-banded carder bee (*Bombus humilis*) and white letter hairstreak (*Satyrium w-album*) recorded near Coedkernew and Duffryn. A small blue butterfly (*Cupido minimus*) was also recorded at the Newport Docks area within the Study Area.

Outside the Study Area invertebrates recorded include shrill carder bees at Marshfield, north of Duffryn, Wentloog Levels, between the Ebbw River and the A48, Pye Corner, Nash and Magor Marsh; brown-banded carder bee at Pye Corner; moss carder bee (*Bombus muscorum*) at Marshfield; large wainscot (*Rhizedra lutosa*) on the Wentloog Levels, at Pye Corner, north of the Steelworks and east of Magor; forester moth (*Adscita statices*) in Newport north of Duffryn; hornet robberfly north of Knollbury; and pearl bordered fritillary (*Boloria euphrosyne*) and wood white (*Leptidea sinapis*) at Magor Marsh.

The New M4 Project surveys recorded fourteen nationally scarce terrestrial invertebrate species across the survey area, across a range of habitat types.

3.1.3.3 Fish

The majority of fish records provided by SEWBReC within the Study Area were for European eel, within the Percoed Reen and in reens within the Rush Wall area of the Gwent Levels. Within the wider area European eel has been recorded at St Brides, Michaelston-y-Fedw, Newport, Whitson, Magor Marsh and north of

Knollbury. The only other fisheries record was for river lamprey and brown trout within the Study Area at Knollbury.

3.1.3.4 Amphibians

Common species of amphibian recorded within the Study Area and wider search area include:

- Common frog (*Rana temporaria*) recorded in Marshfield, Duffryn, Newport Wetlands and east of Tatton Farm;
- Common toad (*Bufo bufo*) recorded in the west of the Study Area in Marshfield, on the Wentloog Levels, in Duffryn and at Uskmouth Power Station;
- Palmate newt (*Lissotriton helveticus*) recorded approximately 1km from the Study Area north of Solutia; and
- Smooth newt (*Lissotriton vulgaris*) recorded within the east of the Study Area at Whitson (1.5km south of the Study Area), Tata Lagoons and Magor Marsh Gwent Wildlife Trust Reserve (100m south of the Study Area).

3.1.3.5 Reptiles

Within the Study Area two species of reptile were identified in the records supplied by SEWBReC. These were for adder (*Vipera berus*) at Parc Golf Club, and grass snake (*Natrix natrix)* on the Wentloog Levels and at Broadstreet Common.

The wider search area held records of all four common British species of reptile: adder; grass snake; common lizard (*Zootoca vivipara*); and slow worm (*Anguis fragilis*). The only other record of adder was at Slade Wood, Rogiet, approximately 500m north of the Study Area at Rogiet. Grass snakes were recorded across the Gwent Levels (St Mellons, St Brides (Wentloog Levels), Newport Wetlands, Nash and at Magor Marsh Gwent Wildlife Trust Reserve) and in Duffryn. Records for common lizard were made to the north of St Mellons, one on the Wentloog Levels and three within Newport near Gaer and Bellvue Park. Slow worms have been recorded in Marshfield and within allotments and parks in Newport approximately 3km north of the Study Area.

The New M4 Project surveys only found reptiles to be present at only one of the areas surveyed, which was within the Tata Steelworks. Only grass snakes were present during these surveys.

3.2 Phase 1 Habitats

The habitats encountered within the Study Area are described below according to the relevant Phase 1 Habitat type.

A total of fourteen main habitat types were identified within the site. These are shown on Drawings M4-OA-01-00-DR-Z-P1-0002 to M4-OA-01-00-DR-Z-P1-0009 and listed below (with the representative Phase 1 habitat codes):

- Woodland (A1);

- Scrub (A2);
- Dry Grassland (B2, B3, B4 and B6);
- Marshy Grassland (B5);
- Tall Ruderal (C3);
- Wetlands and Reedbeds (E and F);
- Waterbodies (G) including standing water (G1) and running water (G2);
- Saltmarsh (H2);
- Artificial Exposures and Waste Tips (I2);
- Cultivated/Disturbed Land (J1) including arable (J1.1) and amenity grassland (J1.2);
- Introduced Shrub (J1.4);
- Boundaries (J2) including hedgerows (J2.1, J2.2) and dry ditches (J2.6);
- Buildings (J3.6); and
- Hard standing (J6).

Gaps in the survey area due to land access issues have been filled in where possible using results from previously undertaken surveys in 2013 (Ove Arup & Partners Ltd, 2014) and are shown with a higher transparency on the drawings.

3.2.1 Woodland (A1) and Scrub (A2)

Areas of woodland within the Study Area are predominantly discrete areas of semi-natural broadleaved woodland (A1.1.1) and plantation broadleaved woodland (A1.1.2).

The larger areas of woodland are located within the Michaelston-y-Fedw area, the Castleton area and to the north of the Magor area. Semi-natural broadleaved woodland in the Castleton area was predominantly found to include alder, beech (*Fagus sylvatica*), pedunculate oak, holly (*Ilex aquifolium*), sycamore, ash, hazel (*Corylus avellana*) and elm (*Ulmus procera*). At Berryhill Farm a mature oak and ash woodland including old coppice stools is present (Target Note 200). Ground flora included ivy (*Hedera helix*), lesser celandine (*Ranunculus ficaria*), bluebells (*Hyacinthoides non-scripta*), cleavers (*Galium aparine*), dog's mercury (*Mercurialis perennis*) and bramble (*Rubus fruticosus*); with holly, hawthorn (*Crataegus monogyna*) and hazel also present in the shrub layer.

Plantation woodland occurs mainly alongside the existing motorway and road network. The woodlands are predominantly broadleaved or mixed with species including hazel, hawthorn, ash and Scots pine (*Pinus sylvestris*). The plantation areas within the highway boundaries are likely to be subject to periodic management to thin out the canopy.

The only areas of woodland which have been identified between the River Ebbw and Magor are one area of semi-natural broadleaved woodland to the west of Pye Corner and the plantation/successional scrub woodlands at Pye Corner and within the Tata Steelworks. These successional woodlands are populated by hawthorn, crack willow (*Salix fragilis*), goat willow (*Salix caprea*), white willow (*Salix alba*) and bramble. These are primarily located in the old laboratory site at Pye

Corner and within the former settlement lagoons within the Greenmoor area of the Tata Steelworks.

Scrub (A2) is prolific across the Study Area, with both dense and scattered scrub recorded. The dominant scrub species recorded is bramble but other species present include blackthorn (*Prunus spinosa*) and hawthorn, buddleia (*Buddleja davidii)*, grey willow (*Salix cinerea)* with occasional scattered Japanese knotweed and Indian balsam present in some areas. Particularly large areas of scrub habitat are present within the Tata Steelworks site and around the derelict chemical works near Pye Corner which are developing into woodland as described above.

Parkland and scattered trees (A3) are present in various areas such as the Parc Golf Course in Coedkernew, near Moorbarn Farm to the south of Tata Steelworks, near Church Farm in Wilcrick, north of Magor and in Magor village centre.

3.2.2 Dry Grassland (B)

This habitat group contains the most abundant types of habitat found across the Study Area. Large areas of improved grassland (B4) are present within the agricultural land in the Castleton and Magor areas. Species diversity in this habitat type is generally low, with annual meadowgrass (*Poa annua*), perennial ryegrass (*Lolium perenne*), dandelion (*Taraxacum officinale* agg.), white clover (*Trifolium repens*), nettle (*Urtica dioica*), timothy grass (*Phleum pratense*), meadow foxtail (*Alopecurus pratensis*), creeping thistle (*Cirsium arvense*) and red clover present (Target Notes 352, 358, 365, 608, 613, 614, 696, 790, 805, 808, 817, 831).

Across the Gwent Levels improved grassland is also frequent with the added presence of poor semi-improved grassland (B6), and semi-improved neutral grassland (B2). Typical species composition of the poor semi-improved grassland habitat is white clover, perennial ryegrass, meadow buttercup (*Ranunculus acris*), Yorkshire fog (*Holcus lanatus*), crested dog's-tail (*Cynosurus cristatus*), tufted hair grass (*Deschampsia cespitosa*), timothy grass, cock's-foot (*Dactylis glomerata*), meadow foxtail, red clover and rough hawkbit (*Leontodon hispidus*) (e.g. Target Note 377).

Semi-improved neutral grassland occurs to the west of the River Ebbw, in the Gwent Wildlife Trust reserve south of Solutia, and around Bareland Street. Species present include soft rush (*Juncus effusus*), cuckoo flower, purple moorgrass (*Molinia caerulea*), dandelion, meadow buttercup, white clover, broad-leaved dock (*Rumex obtusifolius*), knapweed, red clover, common nettle, bush vetch (*Vicia sepium*), hogweed (*Heracleum sphondylium*), sorrel (*Rumex acetosa*), hedge bindweed (*Calystegia sepium*), false oat grass (*Arrhenatherum elatius*), white clover, creeping buttercup (*Ranunculus repens*), creeping thistle, yarrow (*Achillea millefolium*), Yorkshire fog, creeping bent (*Agrostis stolonifera*), meadow cranesbill (*Geranium pratense*), teasel (*Dipsacus fullonum*) and black medick (*Medicago lupulina*) (Target Notes 355, 380, 411, 412 764, 765, 853, 854 and 863).

Semi-improved acid grassland has also been recorded within fields in the Bareland Street and Magor Marsh areas. Species typical of this habitat are wavy hair grass (*Deschampsia flexuosa*), sorrel and heath bedstraw (*Galium saxatile*).

3.2.3 Marshy Grassland (B5)

Marshy grassland (B5) is a minority habitat within the western section of the Study Area from Castleton through to Pye Corner. The Castleton area recorded one parcel present (Target Note 75), adjacent to an area of Japanese knotweed as detailed below in section 3.2.7. As well as soft rush this area was relatively diverse with herbs species including perforate St John's wort (*Hypericum perforatum*), great willowherb, scentless mayweed (*Tripleurospermum inodorum*), germander speedwell (*Veronica chamaedrys*), figwort sp. (*Scrophularia* spp.), black medick, rough hawkbit and bird's-foot trefoil.

In Coedkernew, marshy grassland is present on a field west of Church Lane with >25% soft rush, creeping buttercup, meadow buttercup, great willowherb and grasses such as red fescue and meadow foxtail (Target Note 172). This habitat was also found on fields north of Percoed Reen during the 2013 survey. A small strip of this habitat is also present north of Wentlooge Levels, close to Fair Orchard Farm.

Marshy grassland becomes more dominant east of Pye Corner within the study area. The majority of the fields surrounding Tatton Farm is dominated by marshy grassland with fields consisting of >25% Juncus species and Yorkshire fog, indicators of this type of habitat, although these fields could also be considered to be semi-improved neutral grassland where they are grazed. Other grassland species present include sweet vernal grass (*Anthoxanthum odoratum*), cock's-foot, meadow grasses, red fescue, perennial ryegrass and crested dog's tail; with herb species such as white clover, common knapweed, kidney vetch, hoary plantain (*Plantago media*), pineapple mayweed (*Chamomilla suaveolens*), redshank (*Persicaria maculosa*) and sorrel also being present (Target Notes 512, 524 and 525).

Marshy grassland continues in fields alongside swamp, semi-improved and improved grassland fields around the outside of the Tata Steelworks wetlands and reedbed area up to the railway line south of Magor (Target Notes 680, 694 and 740). Smaller patches of marshy grassland are also present within the Tata Steel wetlands and reedbed area. All of these had similar species composition to those listed above for around Tatton Farm.

3.2.4 Wetlands and Reedbeds

Large areas of swamp (F1) habitat are present within the Tata Steelworks associated with the settlement and water treatment lagoons (Target Notes 532, 533, 656 and 672). The swamp habitat mapped at the western end of Tata Steelworks (Target Notes 522 and 526) is predominantly common reed beds and is managed reed created as part of the water treatment area for the steelworks. The areas of swamp mapped in the central area and further east of the Tata Steelworks are both managed and unmanaged reed beds and the unmanaged areas at various stages of succession of scrub encroachment predominantly by *Carex* spp. and willow species (Target Notes 648, 652 and 688).

Marginal and inundation (F2) habitat is also present in patches within the steel works on the periphery of waterbodies and swamp area, although not all was mapped at such a fine scale. Examples of this habitat were recorded at Target

Notes 341, 366, 532 and 656. Narrow strips of inundation vegetation were recorded along the waterbody running north of Pant Farm (Target Note 47).

One small area of fen meadow (E3) was identified within the Magor Marsh area of the Study Area (Target Note 757).

3.2.5 Waterbodies: Standing Water (G1) and Running Water (G2)

There are two main rivers within the Study Area: River Ebbw and the River Usk. Both of these rivers bisect the Study Area around the Newport Docks area. Details of their designated status are provided in Sections 3.1.1 and 3.1.1.2 (River Usk) and Section 3.1.1.3 (River Ebbw). These rivers are both tidal; the River Ebbw flows into the Usk Estuary which then becomes the Severn Estuary. The River Usk is flanked by intensively developed land around the city and Newport Docks areas, and open spaces with flood protection around the Wentloog Levels and Newport Wetlands areas. The Usk estuary is dominated by fine muddy sediments, which are influenced by low salinities, high turbidity and strong tidal currents. Habitats associated with these rivers include saltmarsh, reedbeds and other habitats as described in Sections 3.2.6, 3.2.4 and 3.2.8 respectively.

Ponds (G1) have been recorded at Druidstone (Target Note 39); in the Castleton area (Target Notes 50, 61 and north of Target Note 80); in the Coedkernew area (Target Notes 261 and 271); to the east of the River Usk (Target Note 398); within the Tata Steelworks (e.g. Target Notes 532 and 577); in the Knollbury area at Upper Grange Farm; and in the Rogiet area. These features are further described in Section 3.3.4. Additional waterbodies were recorded within the Newport Landfill site and Household Waste Recycling Centre during the 2007/08 and 2013 surveys, although these were not re-visited during the 2014 survey due to access constraints.

Streams (G2) are present within the Castleton, Coedkernew and Magor areas. These are small watercourses which do not form part of a managed drainage system and are therefore distinct from reens.

Reens and ditches as both standing water (G1) and running water (G2) are present throughout the Gwent Levels section of the Study Area. In the Castleton area, north of Pant Farm a reen/ditch habitat was present with white water lily (*Nymphaea alba*), bulrush (*Typha latifolia*) and purple moorgrass (Target Note 39). There is a network of reens/ditches recorded to the west of Church Lane, Coedkernew, which continue east through to the River Ebww. Species recorded include semi-emergent vegetation such as hemlock water dropwort (*Oenanthe crocata*) and common reed; with many of the reens/ditches being shaded by hawthorn dominated hedgerows.

The network of reens/ditches forming the majority of the field boundaries continues east through and south of the Tata Steelworks, and then further east towards Magor. Species commonly recorded within or on the banks of this network of reens/ditches (which form part of the Gwent Levels SSSIs), include water mint (*Mentha aquatica*), common reed, reed sweet grass (*Glyceria maxima*), hard rush (*Juncus inflexus*), great willowherb and purple loosestrife (*Lythrum salicaria*).

A detailed survey of aquatic macrophytes has been undertaken and is reported separately.

3.2.6 Coastal Habitats (H)

Saltmarsh (H2) was recorded along both the River Usk and River Ebbw, with notable key species such as sea aster (*Aster tripolium)*, scurvy grass (*Cochlearia* spp.), common saltmarsh-grass (*Pucinellia* spp.), sea arrowgrass (*Triglochin maritima*), english scurvy-grass (*Cochlearia* spp.) and sea milkwort (*Glaux maritima*) on the Ebbw. The River Usk area comprises dense stands of sea couch (*Elytrigia repens*). The slightly steeper banks supported slightly more diverse mix of common saltmarsh-grass, english scurvy-grass, annual sea-blite (*Suaeda maritima*) and sea arrowgrass. The saltmarsh on both the River Usk and River Ebbw were considered notable within the study area and as such were subject to further detailed National Vegetation Classification (NVC) surveys, as reported in the NVC Report (Sturgess Ecology, 2014).

3.2.7 Invasive Plants

Introduced shrub (J1.4) is present throughout the Study Area, predominantly around areas which have been subject to disturbance by humans. Two species of terrestrial non-native invasive plants were recorded during the survey. Japanese knotweed is common within the Study Area and several stands of this plant were observed (Target Notes 3, 4, 40, 63, 74, 79, 394, 398, 399, 400, 413, 572, 580, 865 and 875). An area of Japanese knotweed is also present within the Magor Brewery. Indian balsam was recorded along road verges, watercourses and within areas of industrial land (Target Notes 8, 13, 46, 81, 214, 225, 228, 239, 240, 245, 421 and 431). There are also considerable amounts of Indian balsam within the Tata Steelworks lagoons area (Target Notes 567, 593 and 691).

Two aquatic invasive plant species listed on Schedule 9 of the Wildlife and Countryside Act 1981 were recorded. New Zealand pygmyweed (*Crassula helmsii)* was recorded covering a pond at the Parc Gold Club, Coedkernew (Target Note 261) and within a ditch south of Duffryn (south of Target Note 287). Nuttall's waterweed (*Elodea nuttallii*) was found at two locations within the Gwent Levels; to the south of Tata Reedbeds (Target Note 583) and within the reen that runs parallel with North Row (south of Target Note 694).

3.2.8 Boundaries (J2)

Boundaries across the Study Area fall into two main categories: hedgerows and ditches.

The majority of the field boundaries, particularly at the western and eastern extents of the Study Area from Michaelstone-y-Fedw to Coedkernew and Magor to Knollbury, are hedgerows of various ages and compositions. These features are described further in the Hedgerow Report.

Ditches, with or without associated hedgerow or fence, are the main field boundary type in the central part of the Study Area from Duffryn to Magor. Many of these are wet ditches or reens which are described in Section 3.2.5.

Dry ditches (J2.6) are present in various locations across the Study Area, particularly around the Coedkernew area and to the west of the River Ebbw. These ditches are part of the managed drainage system but have become overgrown – seasonally wet ditches are included within Section 3.2.5 even if they were dry at the time of the survey.

Other boundaries present include walls (J2.5), fences and earth banks (J2.8). Walls occur around a number of the properties in the Duffryn and Magor areas. Fences are present along some of the ditches, reens and hedgerows, and are typically of post and wire construction along field boundaries. More substantial wooden fences are present around residential properties and industrial areas. Earthbanks were recorded within the Tata Steelworks, presumably created from excavated material from the reedbeds. These features have become colonised with bramble and grey willow scrub.

3.2.9 Other Habitats

A range of other habitats occur within the Study Area, which are either areas of developed land (including arable fields (J1.1); amenity grassland (J1.2); ephemeral/short perennial habitat (J1.3); spoil (I2.2), waste tip (I2.4); caravan sites (J3.4); sea walls (J3.5); buildings (J3.6); bare ground (J4); and hard-standing (J6)) or peripheral habitats (including tall ruderal (C3.1) and non-ruderal (C3.2)).

The main developed parts of the Study Area are the Newport Docks area and the Solutia area industrial zones. These are dominated by hardstanding, buildings, bare ground, standing water, areas of scrub, invasive species and tall ruderal habitat. Species present within the scrub and tall ruderal habitat were predominantly grey willow, bramble and nettle but also included teasel, common fleabane (*Pulicaria dysenterica*), buddleia, ragwort (*Jacobaea vulgaris*), evening primrose (*Oenothera biennis*), common centaury (*Centaurium erythraea*), dogwood (*Cornus sanguinea*), broad-leaved everlasting pea (*Lathyrus latifolius*) and great willowherb to the east of the Solutia works (Target Note 402). Ephemeral/short perennial habitat exists in pockets such as Target Note 415, which contains spear thistle (*Cirsium vulgare*), sow thistle (*Sonchus arvensis)*, broad-leaved dock, bramble, black medick and ribwort plantain (*Plantago lanceolata*). Amenity grassland is present along road verges and in industrial compounds within these areas.

The only waste tip within the Study Area is the Newport Landfill site and Household Waste Recycling Centre, located to the east of the River Ebbw. Several areas of spoil exist in the Tata Steelworks site, which have been colonised by scattered scrub, buddleia and tall ruderal species (Target Notes 546, 552, 555, 598, 643 and 644).

Areas of amenity grassland are also present around residential areas such as Castleton, Marshfield, Magor and Rogiet; and the Parc Golf Course in Coedkernew. These take the form of gardens, managed road verges and urban parks. Many of these areas contain scattered planted trees as described in Section 3.2.1.

Arable fields are present scattered across the Study Area. The fields are typically larger in the west of the Study Area to the north of the M4 near Michaelstone-y-Fedw, with smaller areas present in between the A48(M) and the A48 in

Castleton; in the Coedkernew area to the north of the railway; to the east of the Solutia area; to the south of Rush Wall; at Wilcrick and in the Knollbury area.

3.3 Potential for Protected Species

The Study Area provides a diverse range of habitats which have the potential to support animal species which are protected under European and UK legislation.

3.3.1 Bats

Numerous trees (predominantly mature oaks) within the Study Area have been identified as providing bat roost potential (see Target Notes 201, 206, 228, 234, 286, 315, 362, 363, 370, 374, 375, 379, 434, 435, 453, 482, 485, 521, 582, 606, 612, 629, 631, 678, 698, 704, 705, 707, 712, 714, 717 and 787). These features are assessed fully within the Bat Survey Report.

Bats are likely to forage within suitable areas across the Study Area, including within woodlands, along hedgerows, watercourses and in urban locations. Bat activity surveys have been undertaken and are documented within the Bat Survey Report.

3.3.2 Otters

During the Phase 1 Habitat surveys evidence of otter was recorded as follows:

- Target Note 397: Possible otter print within field to the west of the River Ebbw.
- Target Note 530: Possible otter diving into water.
- Target Note 660: Otter spraint.
- Target Note 661: Otter spraint.
- Target Note 666: Otter spraint.
- Target Note 669: Possible otter sighting by bridge over reen.

Otter potential was also identified within scrub/marshy grassland habitat east of Coedkernew (Target Note 277); in the Tata Steelworks reedbeds (Target Notes 532 and 533) reens and areas of scrub (Target Notes 646 and 653); along reens to the north of Gwent Europark (Target Note 703); and along Rush Wall reen (Target Notes 721 and 735).

This information is included and further described within the Otter and Water Vole Report (Ove Arup and Partners, 2014).

3.3.3 Dormice

Potential dormouse habitat exists in the form of woodlands, scrub and hedgerows in the north-west and north-east of the Study Area. An area of plantation woodland outside the Study Area at Rogiet also provides potential for dormice (Target Note 872).

Specific surveys for dormice have been undertaken and are documented in the Dormouse Survey Report (Ove Arup and Partners, 2014).

3.3.4 Amphibians including Great Crested Newts

The Study Area contains waterbodies that could be used by breeding amphibians.

Terrestrial habitat across the Study Area offers good foraging habitat and refuges for amphibians. Evidence of amphibians was recorded during the Phase 1 Habitat surveys including smooth newt (Target Notes 271, 272, 384 and 385), toad (Target Note 670) and common frog (Target Notes 72, 255, 441, 518 and 554).

During the Phase 1 Habitat surveys potential for great crested newts was identified within waterbodies east of Coedkernew (Target Notes 325 and 326); and logpiles south of the Tata Reedbeds (Target Note 576). This information was used to supplement the results of the more extensive HSI undertaken for the waterbodies, which are shown on Drawings M4-OA-01-00-DR-Z-AM-0004 to M4-OA-01-00-DR-Z-AM-0011 and summarised in **Table 6**.

Table 6 Summary of HSI results

HSI Score Band	Suitability for Great Crested Newts	Number of Waterbodies
> 0.8	Excellent	17
0.7-0.79	Good	134
0.6-0.69	Average	258
0.5-0.59	Below average	258
< 0.5	Poor	224

A number of waterbodies were inaccessible during the surveys or were entirely dry/covered in scrub, so a HSI score was not provided. The total number of waterbodies that were inaccessible is 5; and the total number of waterbodies recorded dry/covered in scrub is 18.

3.3.5 Water vole

Potential for water vole exists along the numerous wet ditches, reens and ponds within the Study Area. These features are identified and described within the Otter and Water Vole Report (Ove Arup and Partners, 2014).

Evidence of water vole activity identified during the Extended Phase 1 Habitat surveys is detailed below with the relevant Target Note.

- Target Note 330: Reen with grazed lawns at top of bank.
- Target Note 359: Water vole signs.
- Target Note 359: Water vole feeding signs.
- Target Note 371: Water vole potential along reen.
- Target Note 372: Possible water vole burrow.
- Target Notes 532 and 533: Water vole potential.
- Target Note 690: Possible water vole burrow.

3.3.6 Reptiles

Habitats within the Study Area are suitable for common species of reptiles. Open areas could provide basking opportunities, scrub/grassland mosaics provide foraging opportunities and compost heaps/rubble provide breeding and hibernation habitat.

Potential habitat for reptiles identified during the Extended Phase 1 Habitat surveys is detailed below with the relevant Target Note.

- Target Notes 6, 12, 13, 15 and 18: Compost heaps.
- Target Note 23: Pile of rubble/rocks.
- Target Note 25: Pile of rubble/rocks.
- Target Notes 29, 30, 31, 32 and 33: Compost heaps and tall ruderal vegetation.
- Target Notes 38 and 50: Compost heaps.
- Target Note 53: Hedge chippings.
- Target Notes 64, 89, 116 and 170: Compost heaps.
- Target Notes 197, 218 and 226: Wood piles.
- Target Note 235: Unmown amenity grassland.
- Target Notes 236 and 241: Wood piles.
- Target Note 266: Diverse grassland, tall ruderal and scrub habitat.
- Target Note 267: Grass snake observed.
- Target Note 276: Three grass snakes observed.
- Target Note 307: Semi-improved grassland.
- Target Note 340: Grass snake skin observed.
- Target Note 349: Wood pile.
- Target Note 382: Dead grass snake observed.
- Target Note 406: Grassland and scrub on dried out pond area.
- Target Note 423: Tall ruderal habitat.
- Target Note 437: Compost heap.
- Target Note 467: Pile of rubble/rocks.
- Target Note 471: Wood pile.
- Target Note 576: Log piles.
- Target Note 581: Pile of rubble/rocks.
- Target Note 610: Fly tipping on soil mound provides potential reptile refugia.
- Target Note 685: Dead grass snake observed.
- Target Notes 697 and 700: Compost heap.
- Target Note 711: Wood pile.
- Target Notes 778 and 779: Potential reptile hibernacula.
- Target Note 788: Collapsed stone wall.

- Target Note 789: Wood pile.
- Target Note 819: Pile of rubble/rocks.

3.3.7 Breeding Birds

Habitat within the Study Area is suitable for a range of breeding birds and it is considered likely that the Study Area supports a significant assemblage of breeding birds. This is reported within the Breeding Bird Report.

Incidental records of several bird species were made during the survey. Species observed during the extended Phase 1 survey included lapwing (Target Notes 294, 311, 323, 332, 346, 348, and 392); chiffchaff (Target Note 539); willow warbler (Target Note 128); sedge warbler (Target Note 212); and reed warbler (Target Note 667).

Barn owl evidence was discovered at the following locations:

- Target Note 314: Barn owl pellet.
- Target Note 362: Barn owl feather found near mature oak tree.
- Target Note 389: Barn owl feather.
- Target Note 409: Barn owl potential in tree.
- Target Note 410: Barn owl box in oak tree.
- Target Note 436: Barn owl pellet and feather.
- Target Note 720: Two barn owls flushed from mature poplar tree.
- Target Note 720: Barn owls flying over hedgerow.
- Target Notes 723, 724 and 725: Barn owls flushed from willow along hedgerow.

3.3.8 Hedgehogs

Habitats within the Study Area are potentially suitable for European hedgehog. European hedgehog is also listed as a priority species listed under Section 42 of the NERC Act 2006.

Evidence of hedgehog activity identified during the extended Phase 1 Habitat survey is detailed below with the relevant Target Note:

- Target Note 96: Hedgehog roadkill.
- Target Note 273: Hedgehog roadkill.
- Target Note 395: Possible hedgehog prints.
- Target Note 659: Hedgehog droppings.
- Target Note 662: Hedgehog droppings.
- Target Note 833: Hedgehog roadkill.

Surveys for hedgehog have also been undertaken and are reported in the Hedgehog Survey Report (Ove Arup and Partners, 2014).

4 Conclusions and Recommendations

4.1 Conclusions

The Study Area contains designated sites of international and national importance.

The habitats within the Study Area provide ecological value and have the potential to support a number of protected species. Furthermore, the hedgerow and reen/ditch network throughout the study area is well connected to the wider landscape to facilitate species movements and dispersion.

The habitats in the east and the west of the Study Area are more typical of lowland agricultural land, where grazed improved grasslands and arable fields surround farmsteads, villages and towns, and are drier habitats which lie outside the Gwent Levels. The Gwent Levels SSSIs which are predominantly wet floodplain grazing marshes with managed water levels controlled through a network of reens and ditches.

The most florally diverse area of a mosaic of habitats was recorded within the Tata Steelworks, with a range of florally interesting habitats including ponds and reens, swamps at various levels of succession, marshy grassland and various types of scrub.

4.2 Recommendations

Access was not possible to all areas of the Study Area, as such it is recommended that any gaps are surveyed in 2015, if necessary using powers of access available under the Highways Act 1980.

Further surveys are also likely to be required for the following species/species groups subject to consultation with Natural Resources Wales:

- Further great crested newt surveys;
- Barn owl surveys; and
- Bat emergence surveys.

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Drawings

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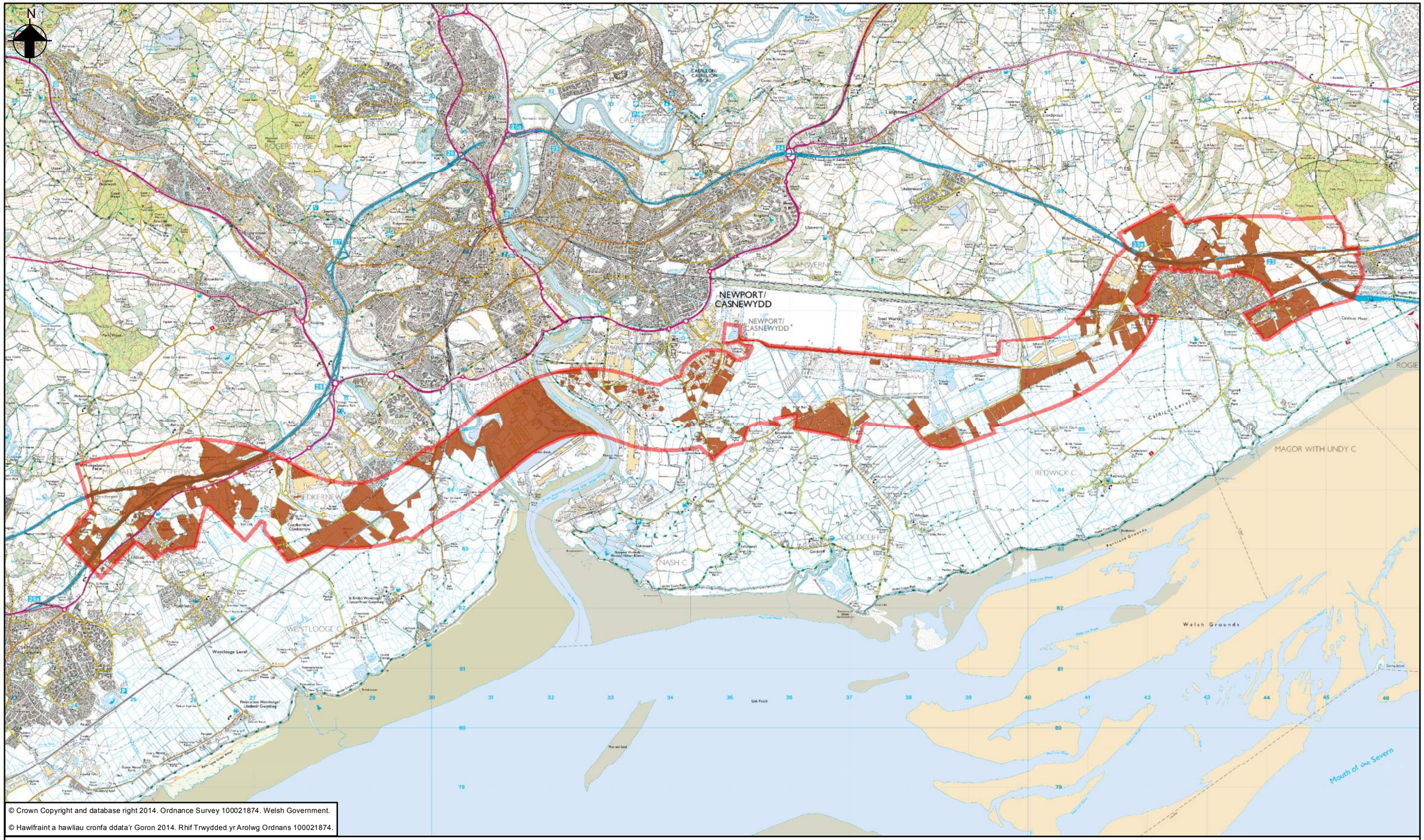

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- Study Area
- No Access Possible

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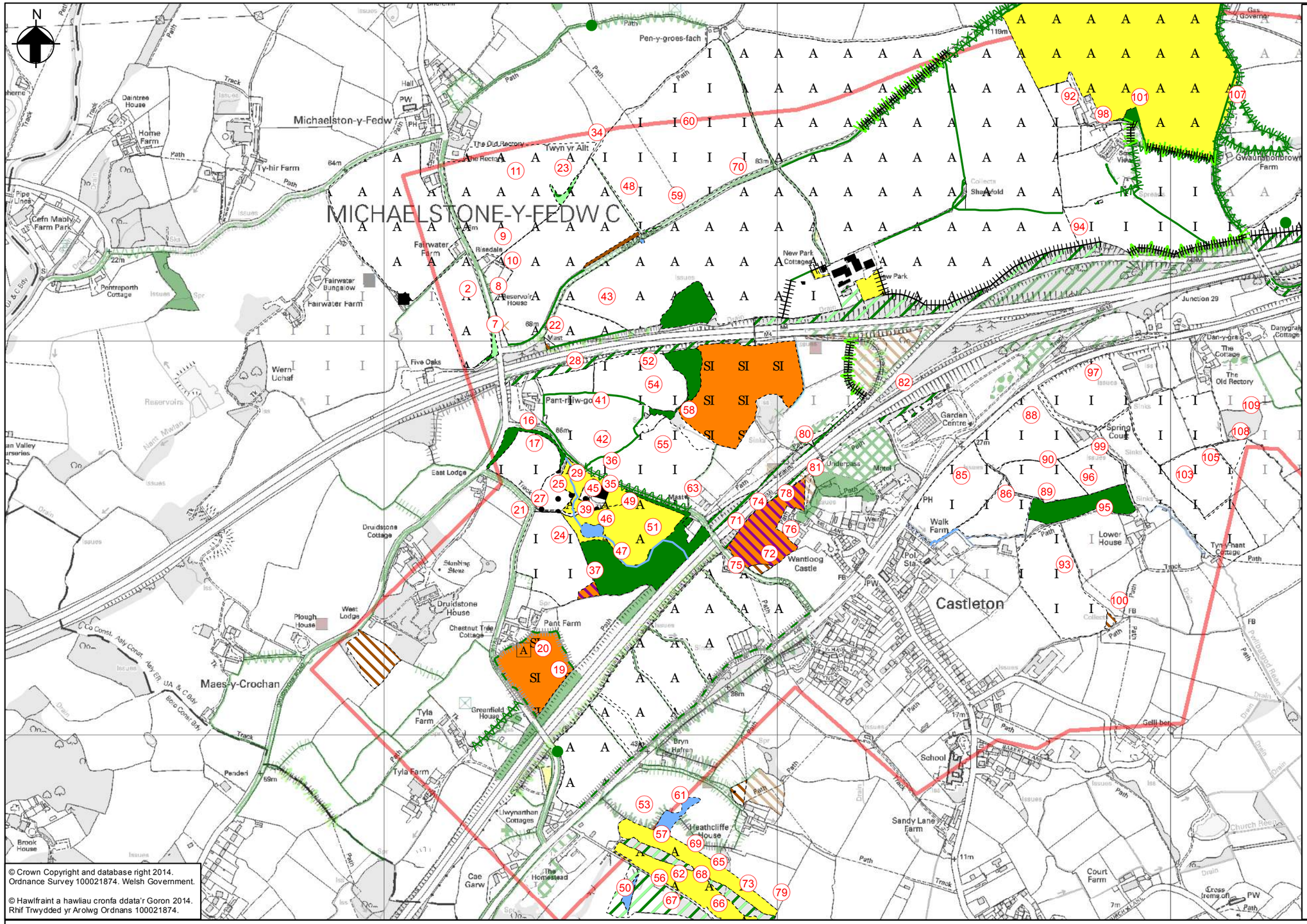

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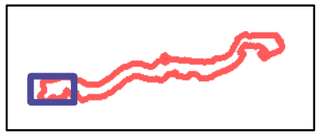
Legend

- Study Area
- Scattered broad-leaved trees
- Arable
- Japanese knotweed
- Buildings
- Target Note
- Broad-leaved plantation
- Scattered scrub boundary
- Broad-leaved tree line
- Coniferous tree line
- Standing water
- Running water
- Species-rich intact hedge
- Species-poor intact hedge
- Species-rich defunct hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Fence
- Fence with scattered scrub
- Wall
- Dry ditch
- Semi-natural broadleaved woodland
- Broad-leaved plantation
- Coniferous plantation
- Mixed woodland
- Mixed plantation
- Dense scrub
- Scattered scrub
- Recently planted woodland
- Unimproved neutral grassland
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Poor semi-improved grassland
- Continuous bracken
- Tall ruderal
- Inundation
- Standing water
- Running water
- Arable
- Amenity grassland
- Buildings
- Bare ground

Note - Phase 1 mapping with higher transparency depicts results from previous surveys.



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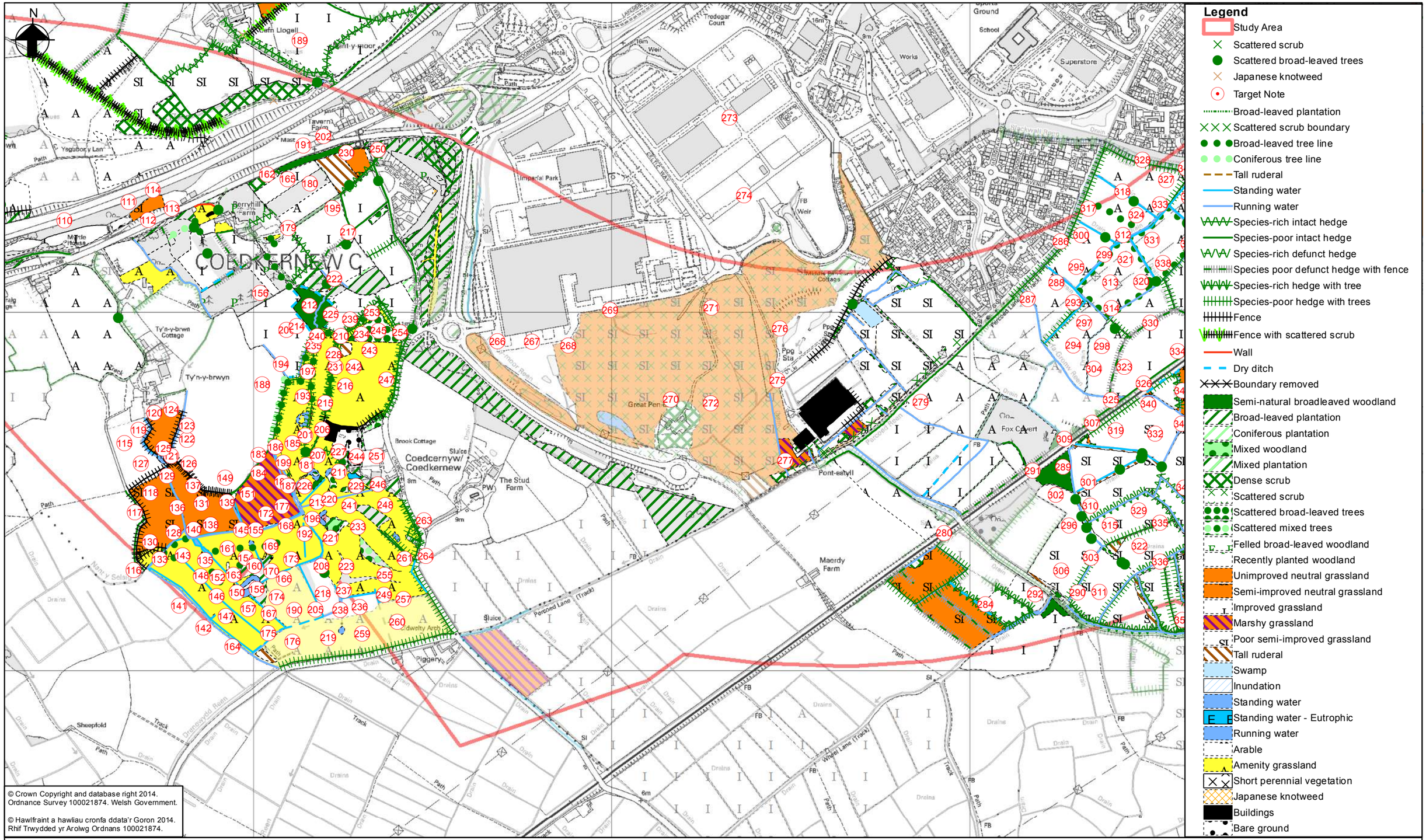

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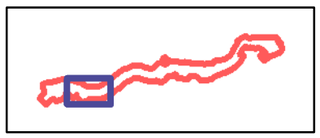

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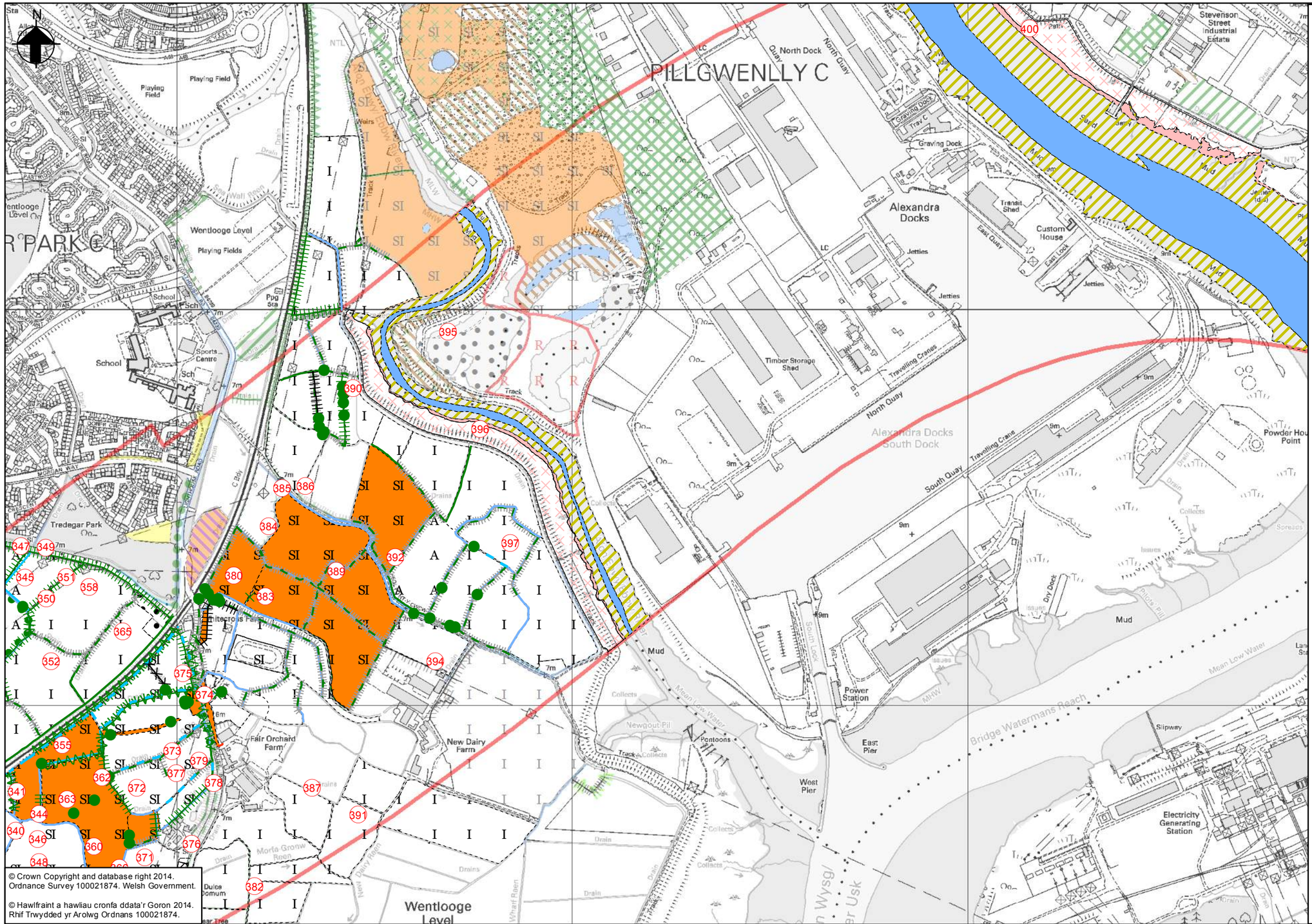

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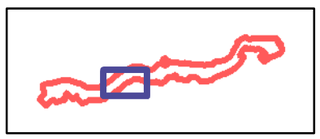
Legend

- Study Area
- Scattered scrub
- Scattered broad-leaved trees
- Target Note
- Broad-leaved tree line
- Tall ruderal
- Standing water
- Running water
- Species-rich intact hedge
- Species-poor intact hedge
- Species-rich defunct hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Species-poor hedge with trees
- Fence
- Wall
- Dry ditch
- Boundary removed
- Broad-leaved plantation
- Dense scrub
- Felled broad-leaved woodland
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Poor semi-improved grassland
- Running water
- Intertidal mud
- Scattered saltmarsh plants
- Saltmarsh
- Arable
- Short perennial vegetation
- Japanese knotweed
- Bare ground

Note - Phase 1 mapping with higher transparency depicts results from previous surveys.



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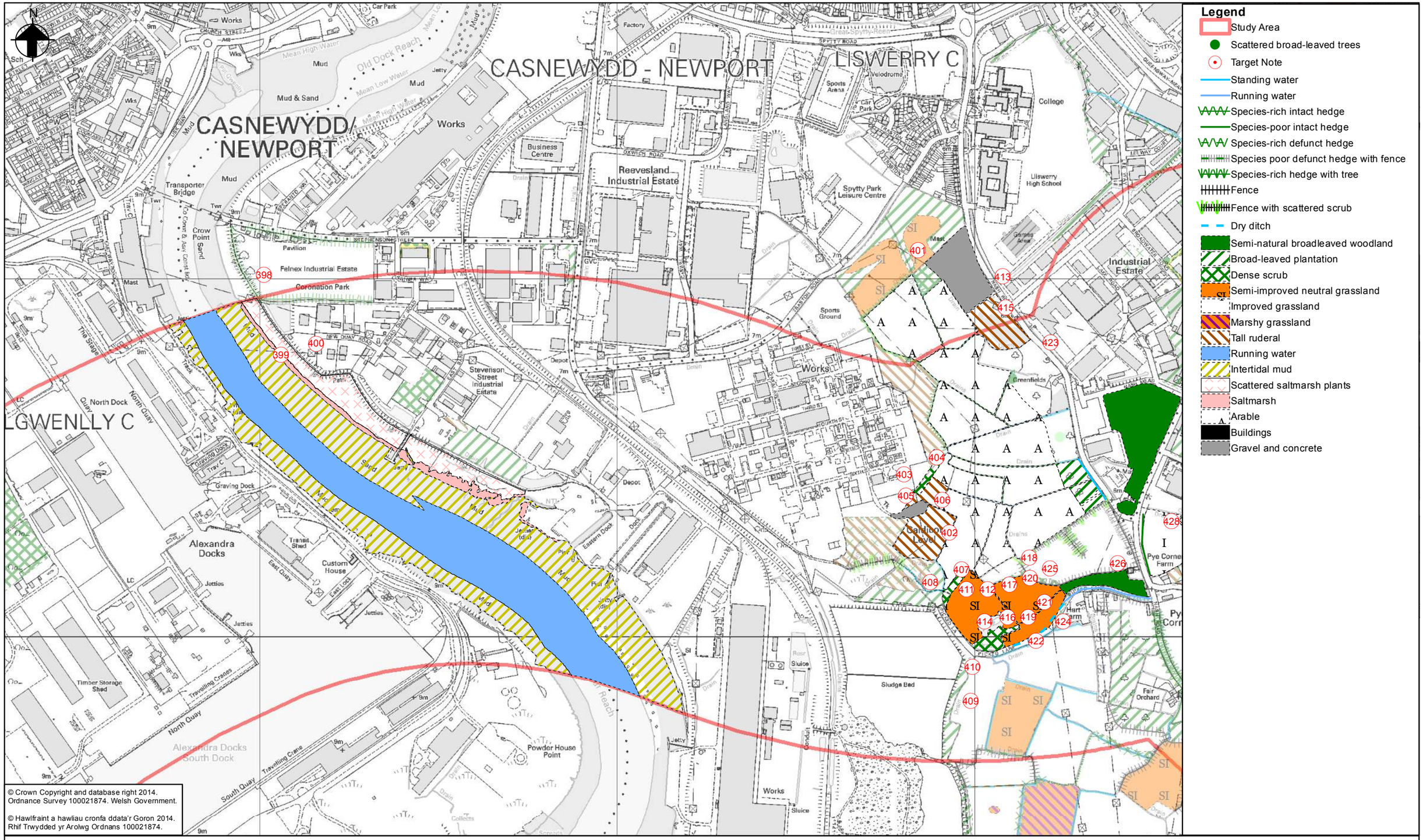

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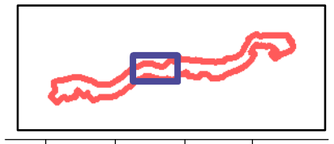
Legend

- Study Area
- Scattered broad-leaved trees
- Target Note
- Standing water
- Running water
- Species-rich intact hedge
- Species-poor intact hedge
- Species-rich defunct hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Fence
- Fence with scattered scrub
- Dry ditch
- Semi-natural broadleaved woodland
- Broad-leaved plantation
- Dense scrub
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Tall ruderal
- Running water
- Intertidal mud
- Scattered saltmarsh plants
- Saltmarsh
- Arable
- Buildings
- Gravel and concrete

Note - Phase 1 mapping with higher transparency depicts results from previous surveys.



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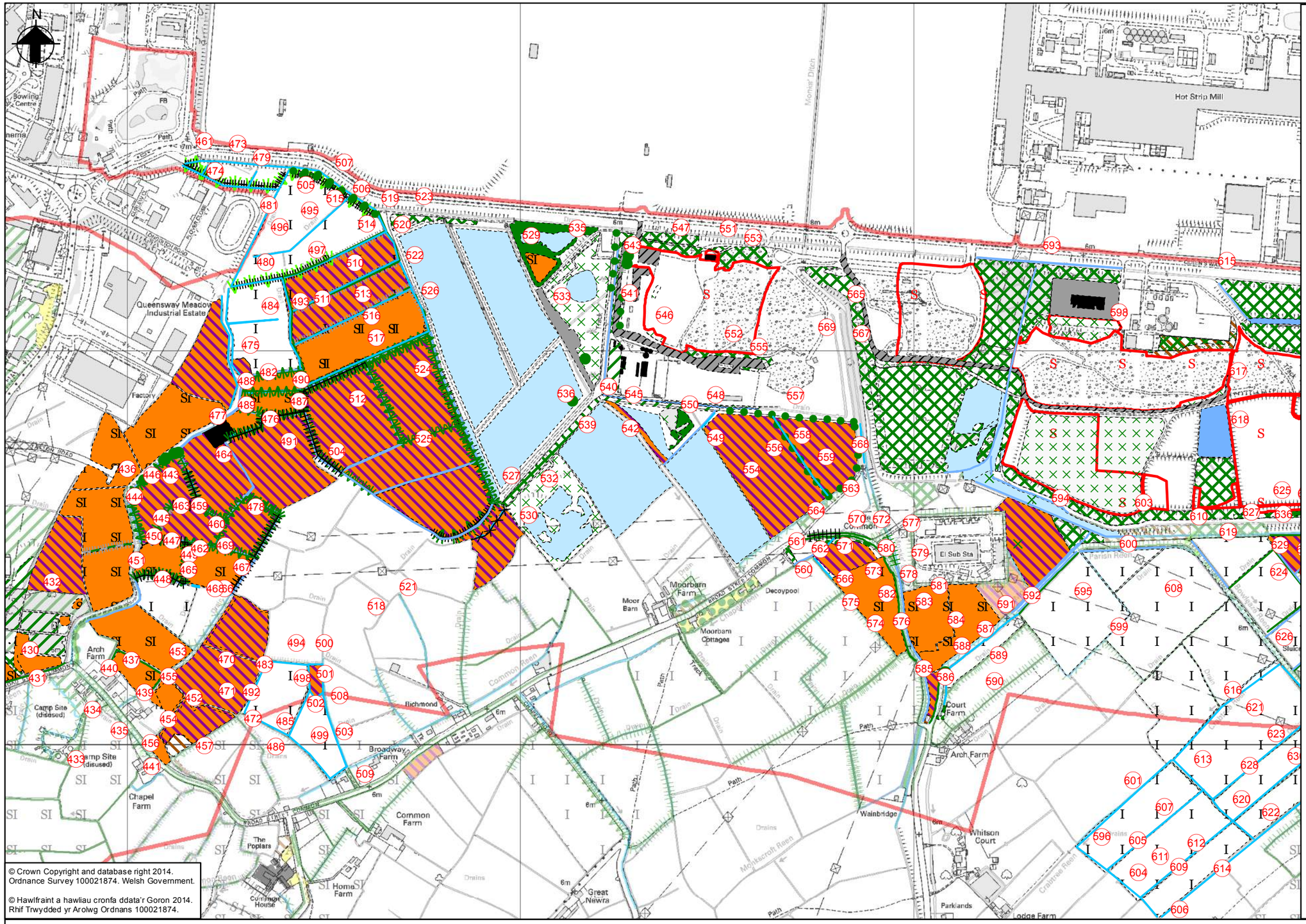

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- Scattered broad-leaved trees
- Target Note
- Scattered scrub boundary
- Broad-leaved tree line
- Tall ruderal
- Standing water
- Running water
- Species-rich intact hedge
- Species-poor intact hedge
- Species-rich defunct hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Species-poor hedge with trees
- Fence
- Fence with trees
- Fence with scattered scrub
- Dry ditch
- Boundary removed
- Earth bank
- Semi-natural broadleaved woodland
- Broad-leaved plantation
- Mixed woodland
- Dense scrub
- Scattered scrub
- Scattered broad-leaved trees
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Poor semi-improved grassland
- Tall ruderal
- Swamp
- Standing water
- Running water
- Spoil
- Buildings
- Gravel and concrete
- Tarmac

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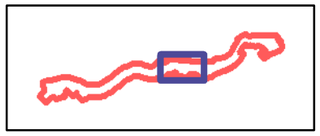

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CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres: 0 87.5 175 350

Scale at A3: **1:10,000**

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Drawing Title

Extended Phase 1 Habitat Survey
Drawing 5 of 8

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-P1-0006	F1

\\global\europe\Cardiff\Jobs\117000\117300-01\4 Internal Project Data\4-80 GIS\4-84 Map Documents\ENV_Environment\Ecology\Extended Phase 1 Plans.mxd

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A3

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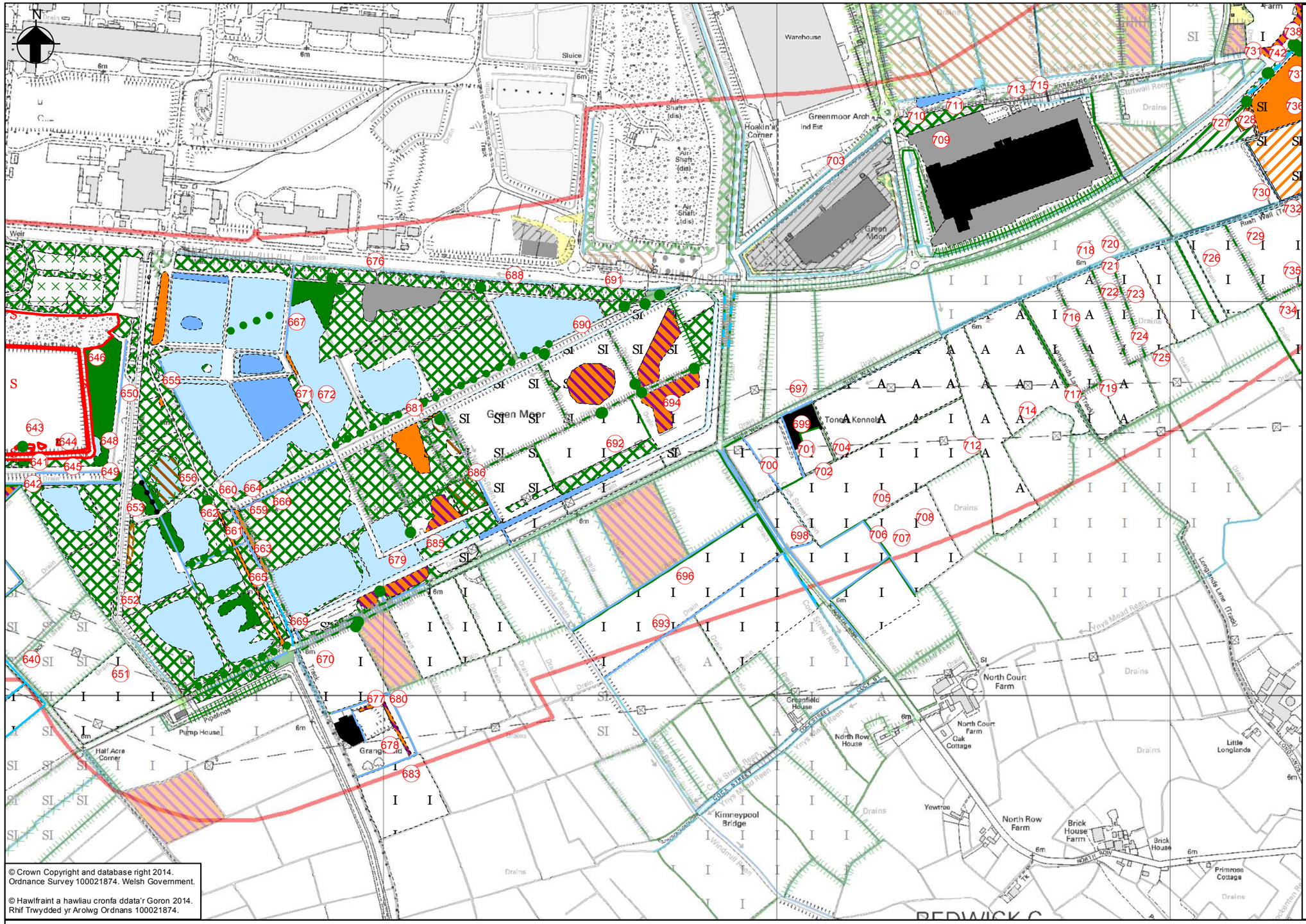

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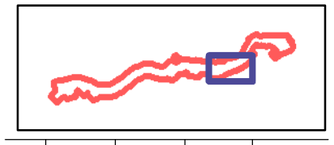
Legend

- Study Area
- Scattered broad-leaved trees
- Target Note
- Scattered scrub boundary
- Broad-leaved tree line
- Tall ruderal
- Standing water
- Running water
- Species-poor intact hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Species-poor hedge with trees
- Fence
- Dry ditch
- Earth bank
- Semi-natural broadleaved woodland
- Broad-leaved plantation
- Dense scrub
- Scattered scrub
- Semi-improved acid grassland
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Poor semi-improved grassland
- Tall ruderal
- Fen
- Swamp
- Standing water
- Running water
- Spoil
- Arable
- Amenity grassland
- Buildings
- Bare ground
- Gravel and concrete

Note - Phase 1 mapping with higher transparency depicts results from previous surveys.



Issue	Date	By	Chkd	Appd
F1	2015-01-28	FG	MM	PW
For Issue				

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres: 0 87.5 175 350

Scale at A3: **1:10,000**

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Drawing Title

Extended Phase 1 Habitat Survey
Drawing 6 of 8

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-P1-0007	F1

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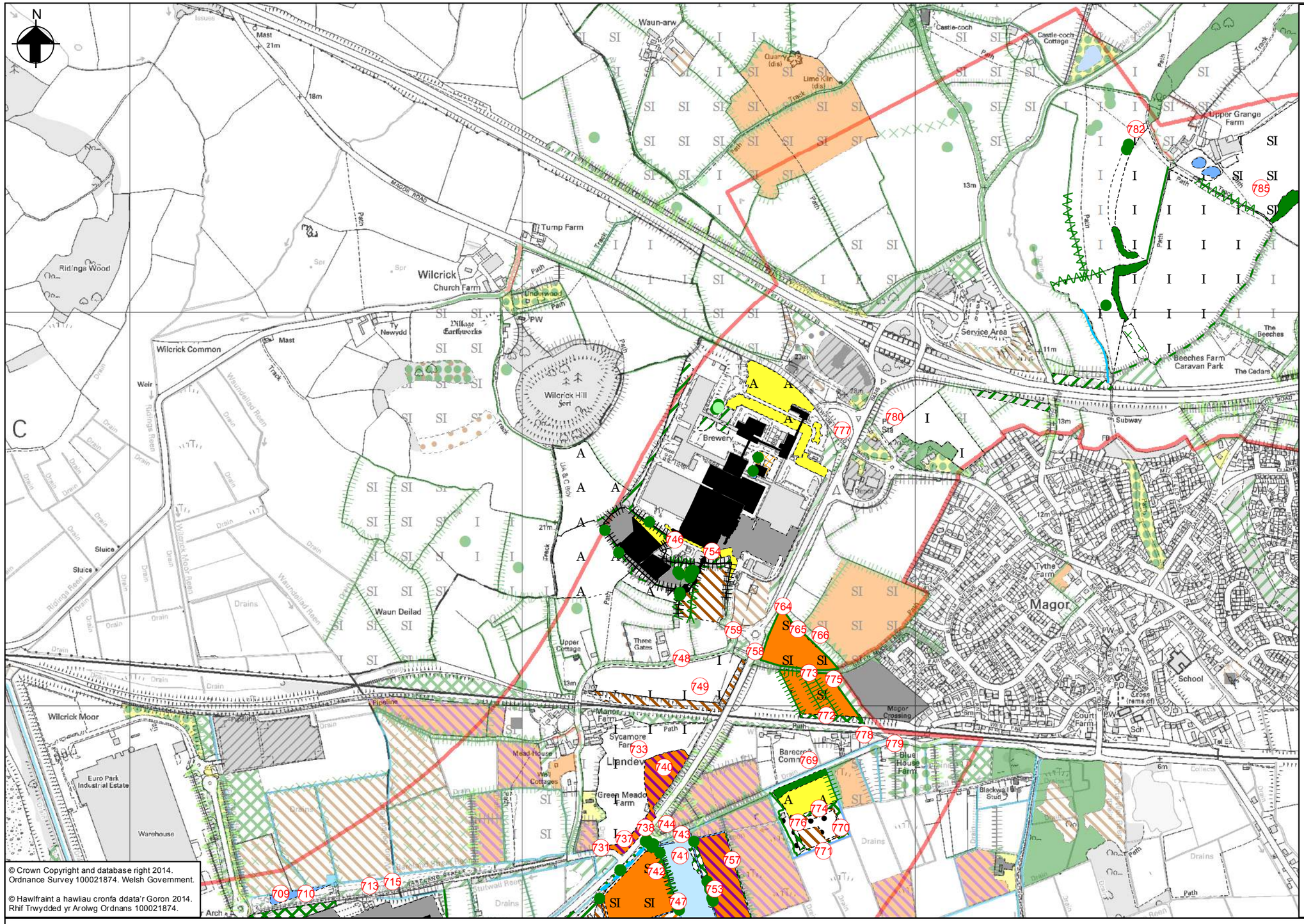
A3



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Legend

- Study Area
- Scattered broad-leaved trees
- Scattered coniferous trees
- Target Note
- Standing water
- Running water
- Species-rich intact hedge
- Species-poor intact hedge
- Species-rich defunct hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Species-poor hedge with trees
- Fence
- Fence with trees
- Dry ditch
- Earth bank
- Semi-natural broadleaved woodland
- Broad-leaved plantation
- Coniferous plantation
- Dense scrub
- Scattered scrub
- Recently planted woodland
- Semi-improved acid grassland
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Poor semi-improved grassland
- Tall ruderal
- Swamp
- Standing water
- Running water
- Arable
- Amenity grassland
- Japanese knotweed
- Buildings
- Bare ground
- Gravel and concrete

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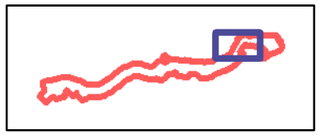
Note - Phase 1 mapping with higher transparency depicts results from previous surveys.



Issue	Date	By	Chkd	Appd
F1	2015-01-28	FG	MM	PW
For Issue				

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 87.5 175 350

Scale at A3
1:10,000

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Drawing Title

Extended Phase 1 Habitat Survey
Drawing 7 of 8

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-P1-0008	F1

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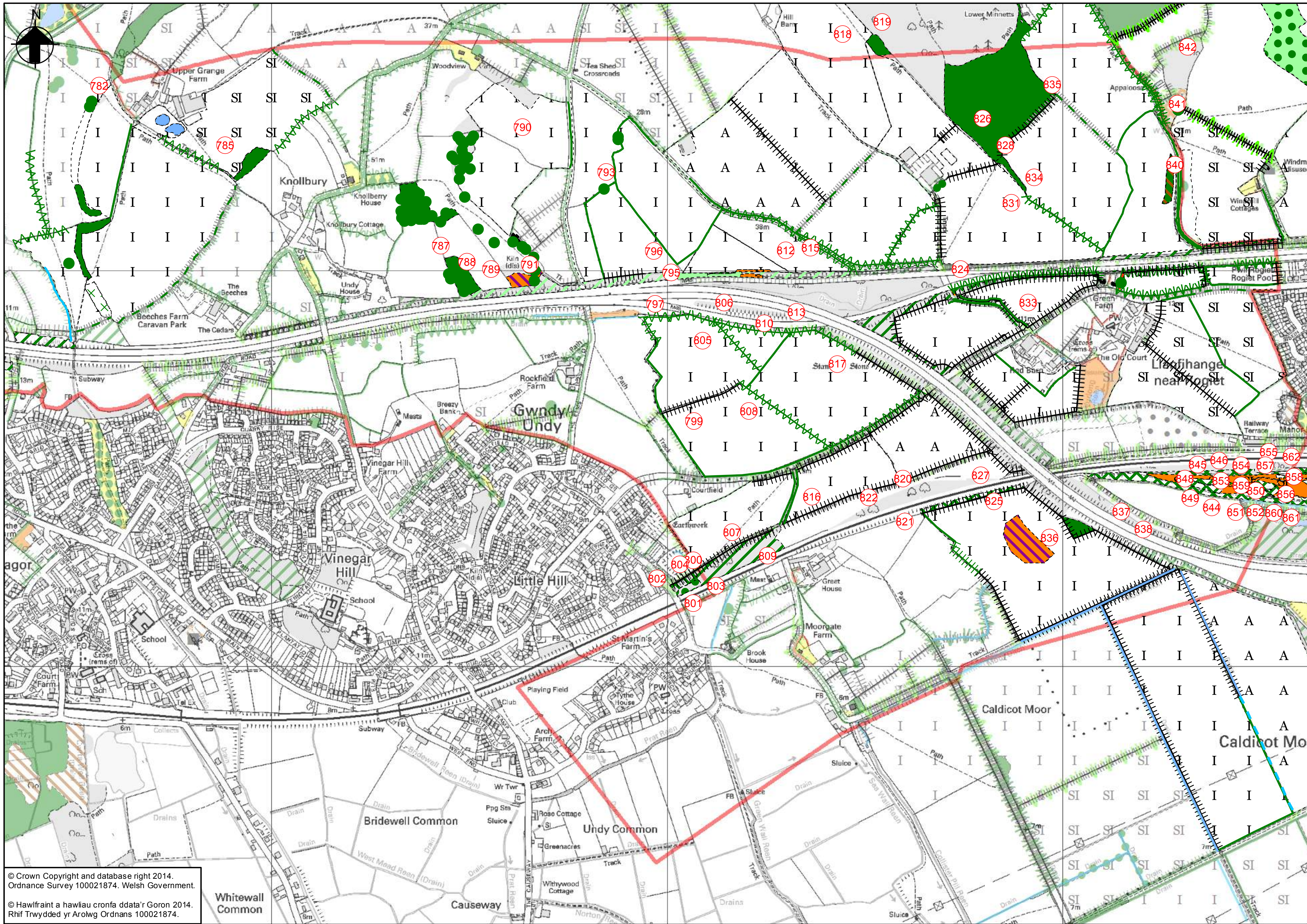
A3



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Legend

- Study Area
- Scattered broad-leaved trees
- Target Note
- Broad-leaved tree line
- Standing water
- Running water
- Species-rich intact hedge
- Species-poor intact hedge
- Species-rich defunct hedge
- Species poor defunct hedge with fence
- Species-rich hedge with tree
- Species-poor hedge with trees
- Fence
- Fence with scattered scrub
- Wall
- Dry ditch
- Semi-natural broadleaved woodland
- Broad-leaved plantation
- Coniferous woodland
- Coniferous plantation
- Mixed woodland
- Mixed plantation
- Dense scrub
- Scattered scrub
- Scattered broad-leaved trees
- Scattered mixed trees
- Semi-improved neutral grassland
- Improved grassland
- Marshy grassland
- Poor semi-improved grassland
- Tall ruderal
- Running water
- Arable
- Buildings

28/01/2015 17:19:51

Note - Phase 1 mapping with higher transparency depicts results from previous surveys.

F1	2015-01-28	FG	MM	PW
For Issue				
Issue	Date	By	Chkd	Appd

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 87.5 175 350

Scale at A3
1:10,000

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Drawing Title

Extended Phase 1 Habitat Survey
Drawing 8 of 8

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-P1-0009	F1

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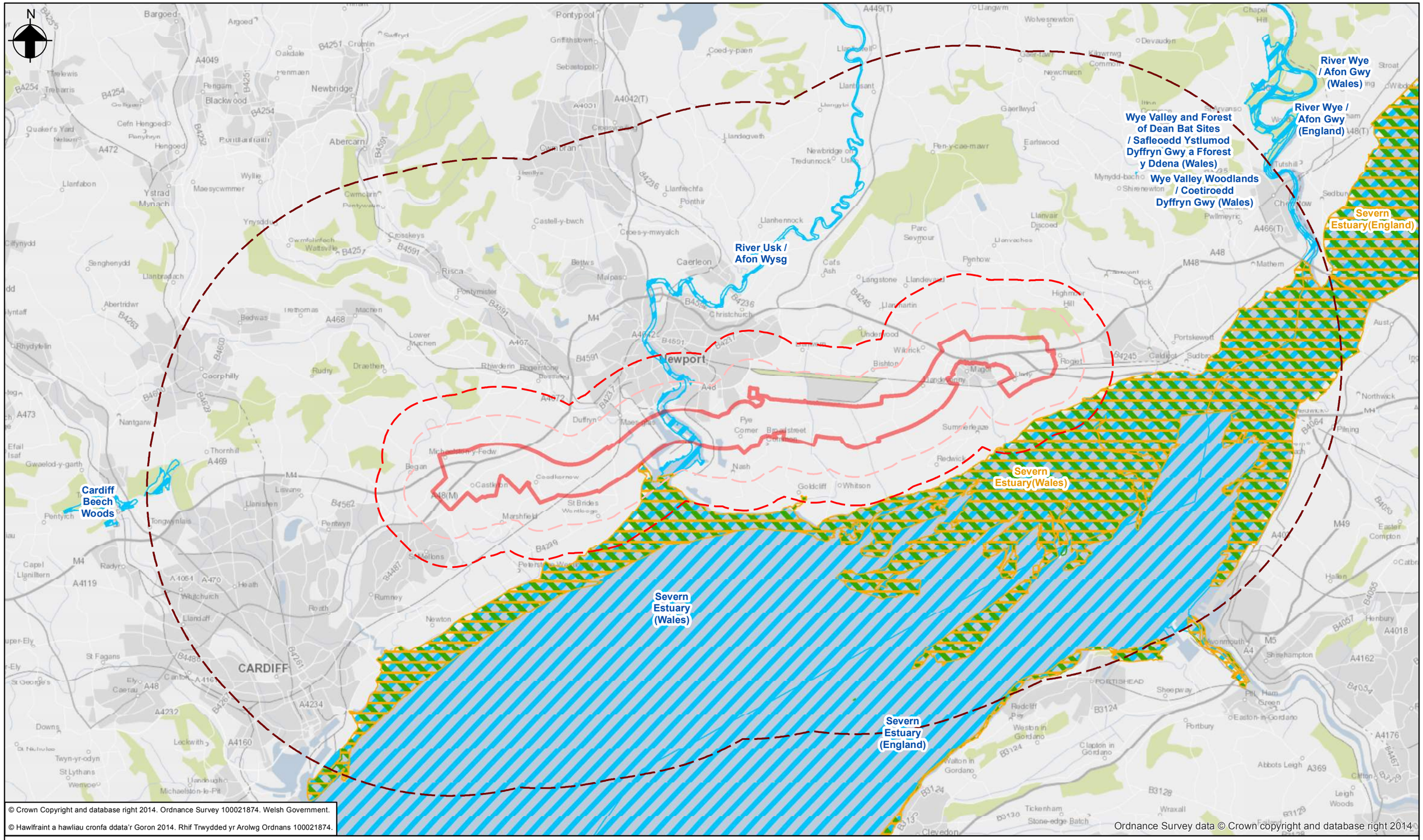

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02/02/2015 14:38:31

Legend

- 1 km
- 2 km
- 10 km
- Study Area
- Ramsar sites
- Special Protection Areas
- Special Areas of Conservation

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Issue	Date	By	Chkd	Appd
F1	2015-02-02	JE	PW	PC
For Issue				

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres: 0 1,000 2,000 4,000

Scale at A3: **1:125,000**

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
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Drawing Title

European Designated Sites

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-XX-0259	F1

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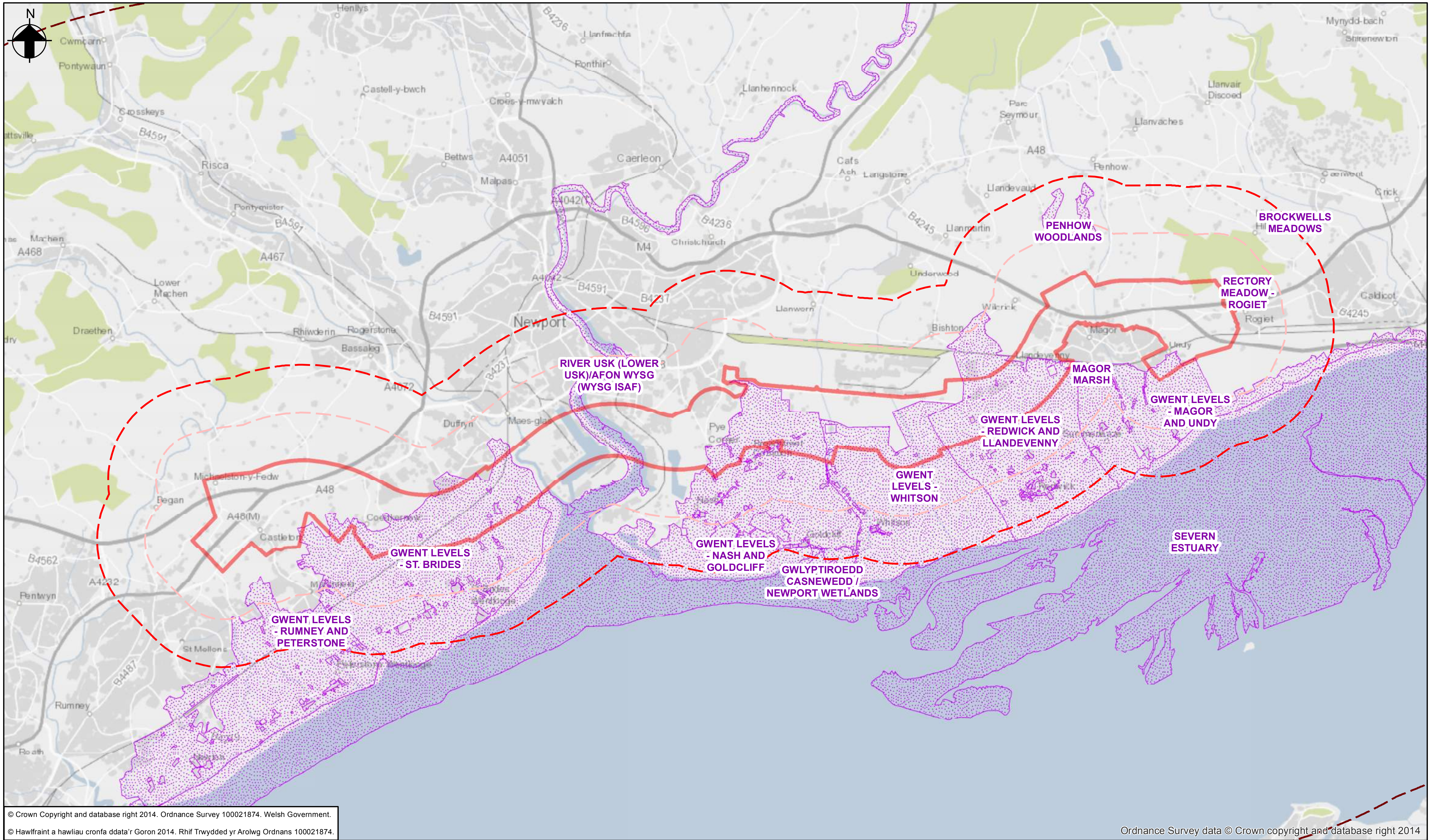
A3



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Legend

- 1 km
- 2 km
- 10 km
- Study Area
- Sites of Special Scientific Interest

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Issue	Date	By	Chkd	Appd
F1	2015-02-02	JE	PW	PC
	For Issue			

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 600 1,200 2,400

Scale at A3
1:75,000

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Drawing Title

Nationally Designated Sites

Job No
117300-01

Drawing Status
For Issue

Drawing No
M4-OA-01-00-DR-Z-XX-0260

Issue
F1

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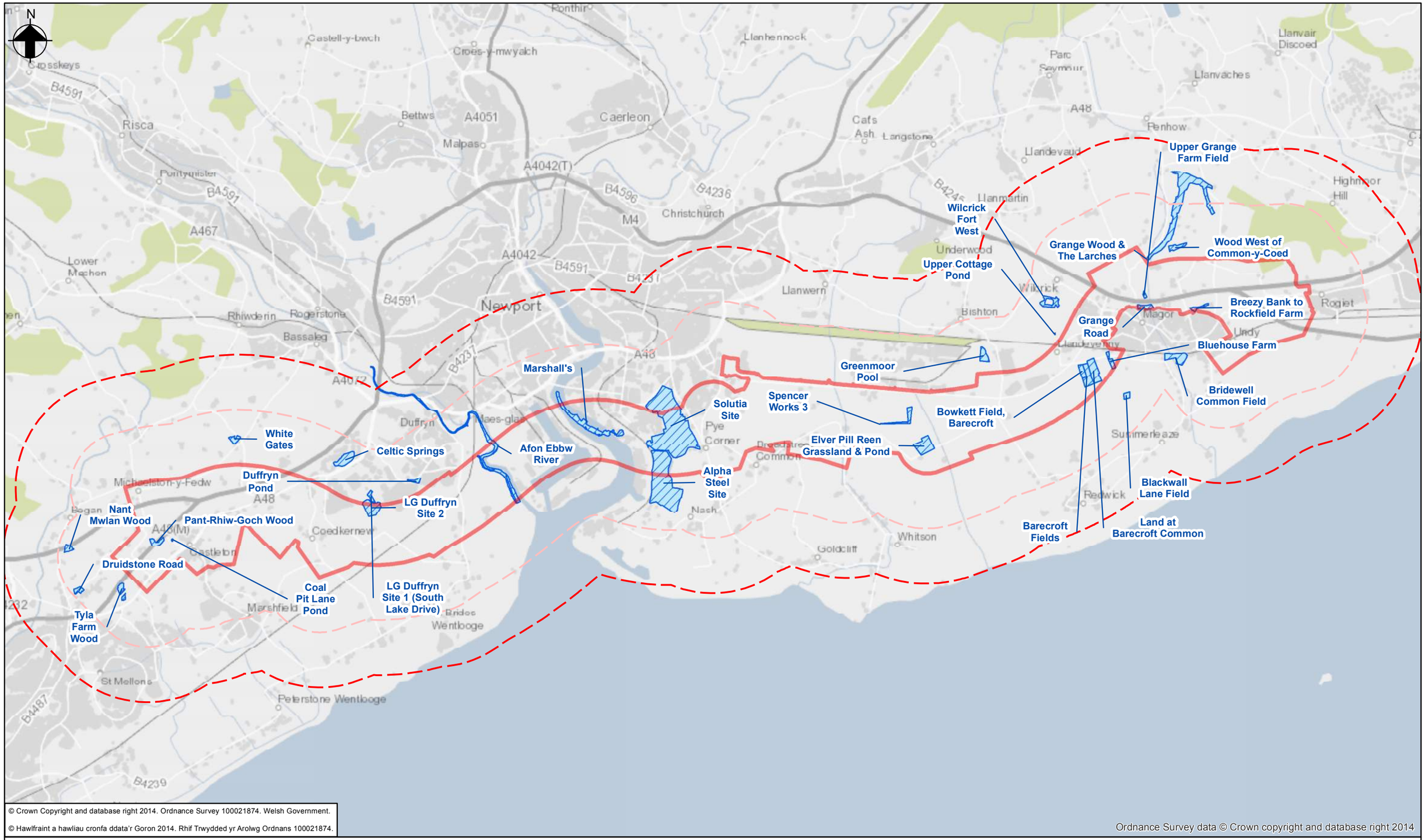

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Legend

- 1 km
- 2 km
- 10 km
- Study Area
- Sites of Interest for Nature Conservation

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Issue	Date	By	Chkd	Appd
F1	2015-02-02	JE	PW	PC
For Issue				

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres: 0 500 1,000 2,000

Scale at A3: **1:65,000**

ARUP

4 Pierhead Street, Capital Waterside
Cardiff, CF10 4QP
T +44(0)29 20473727 F +44(0)29 20472277
www.arup.com

Drawing Title

Locally Designated Sites

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-XX-0261	F1

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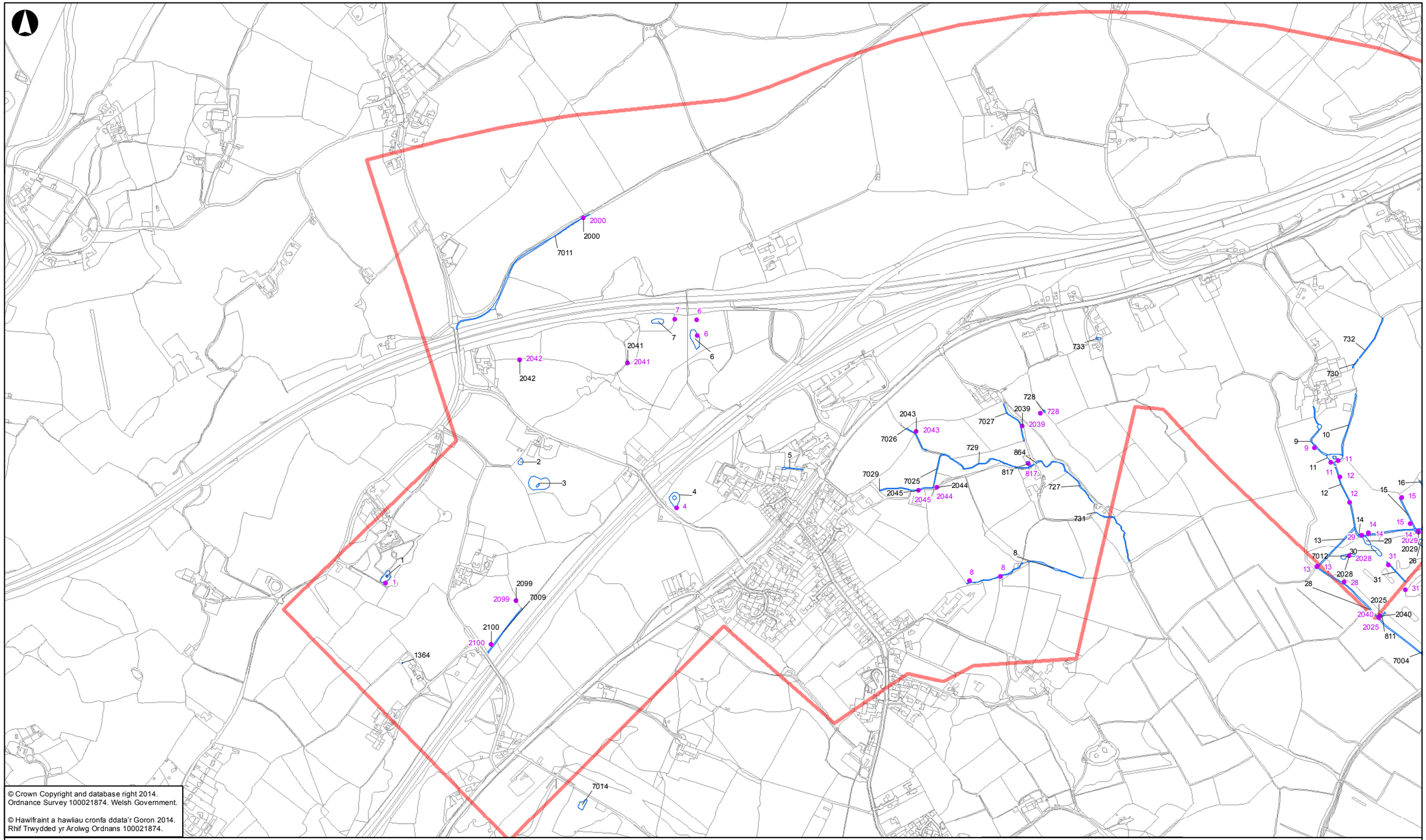

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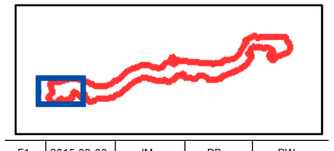
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



F1	2015-02-03	JM	DB	PW
Issue	Date	By	Chkd	Appd

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	**For Issue**

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0004	**F1**

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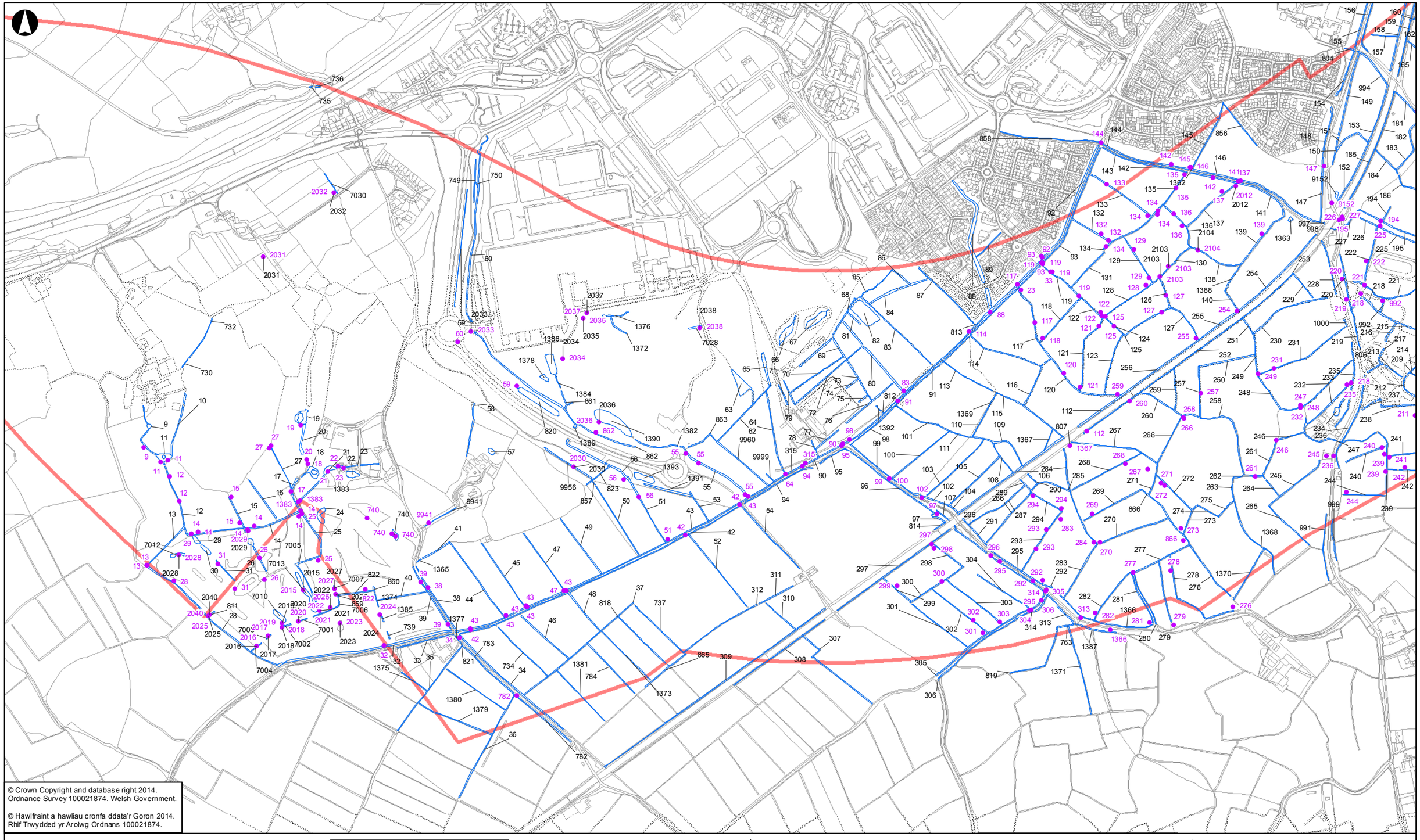

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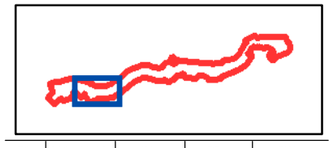
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



Issue	Date	By	Chkd	Appd
F1	2015-02-03	JM	DB	PW

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0005	F1

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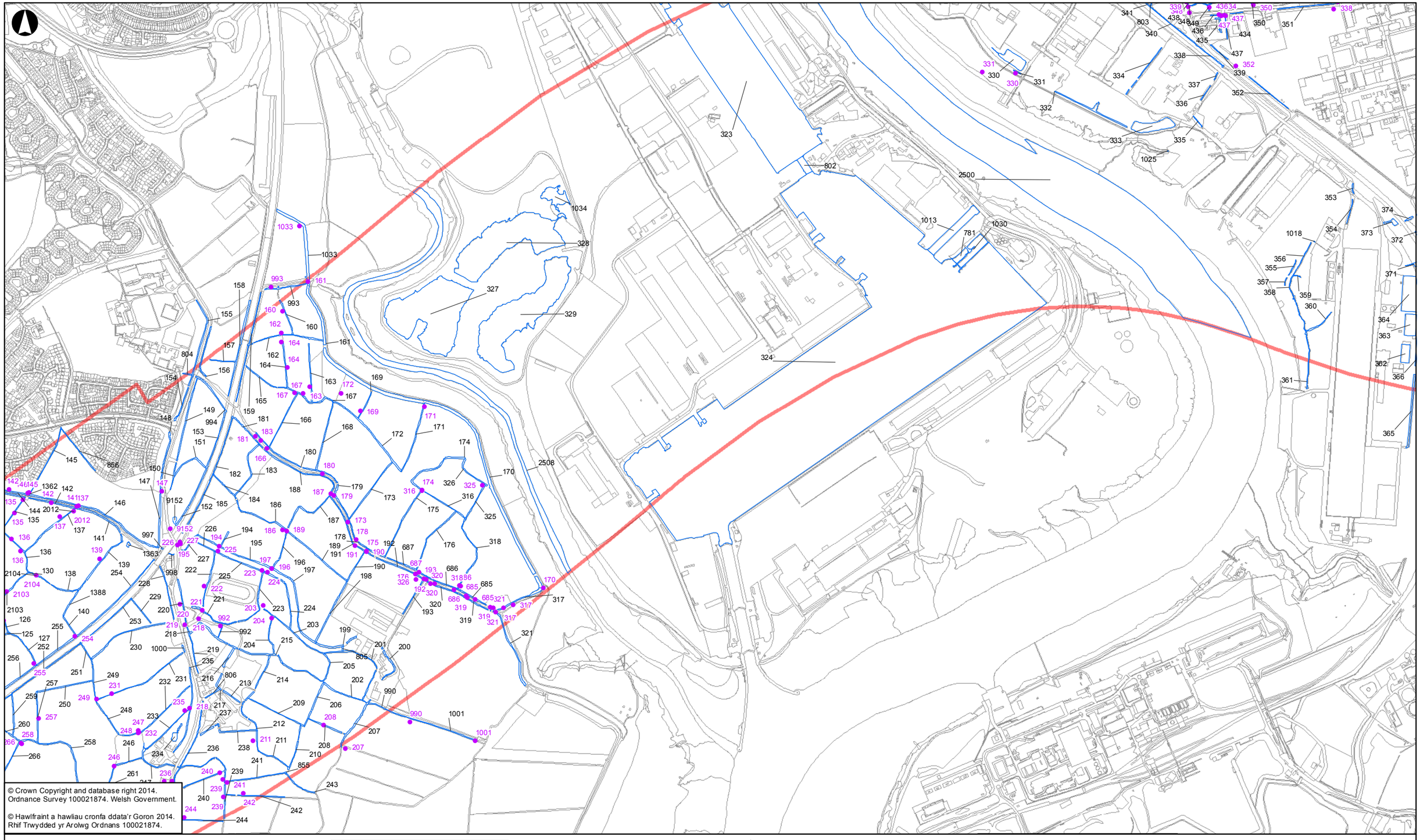

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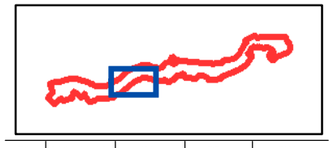
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



Issue	Date	By	Chkd	Appd
F1	2015-02-03	JM	DB	PW

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0006	F1

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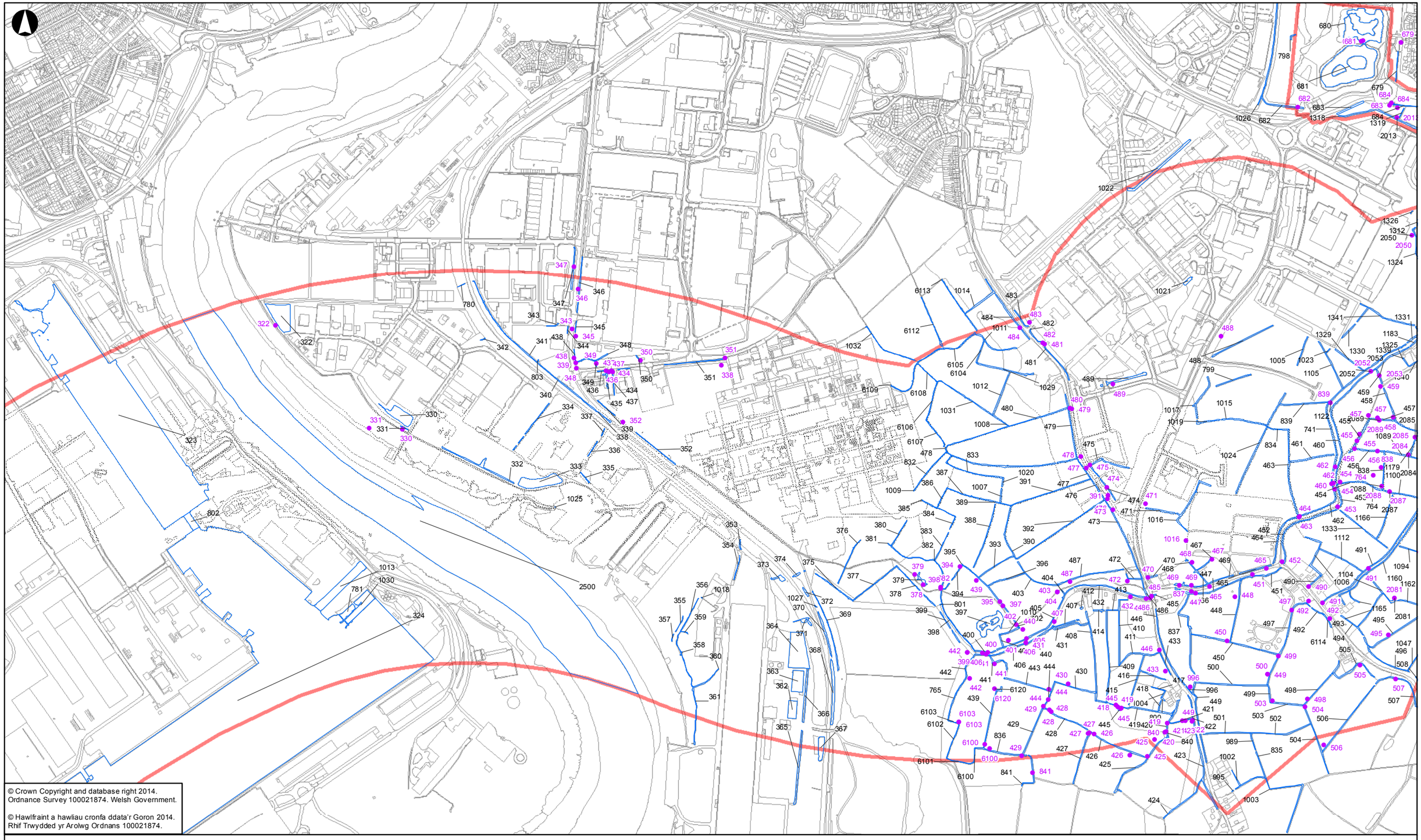

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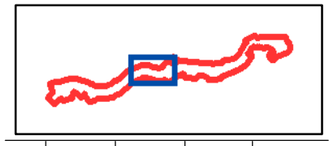
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



Issue	Date	By	Chkd	Appd
F1	2015-02-03	JM	DB	PW

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0007	F1

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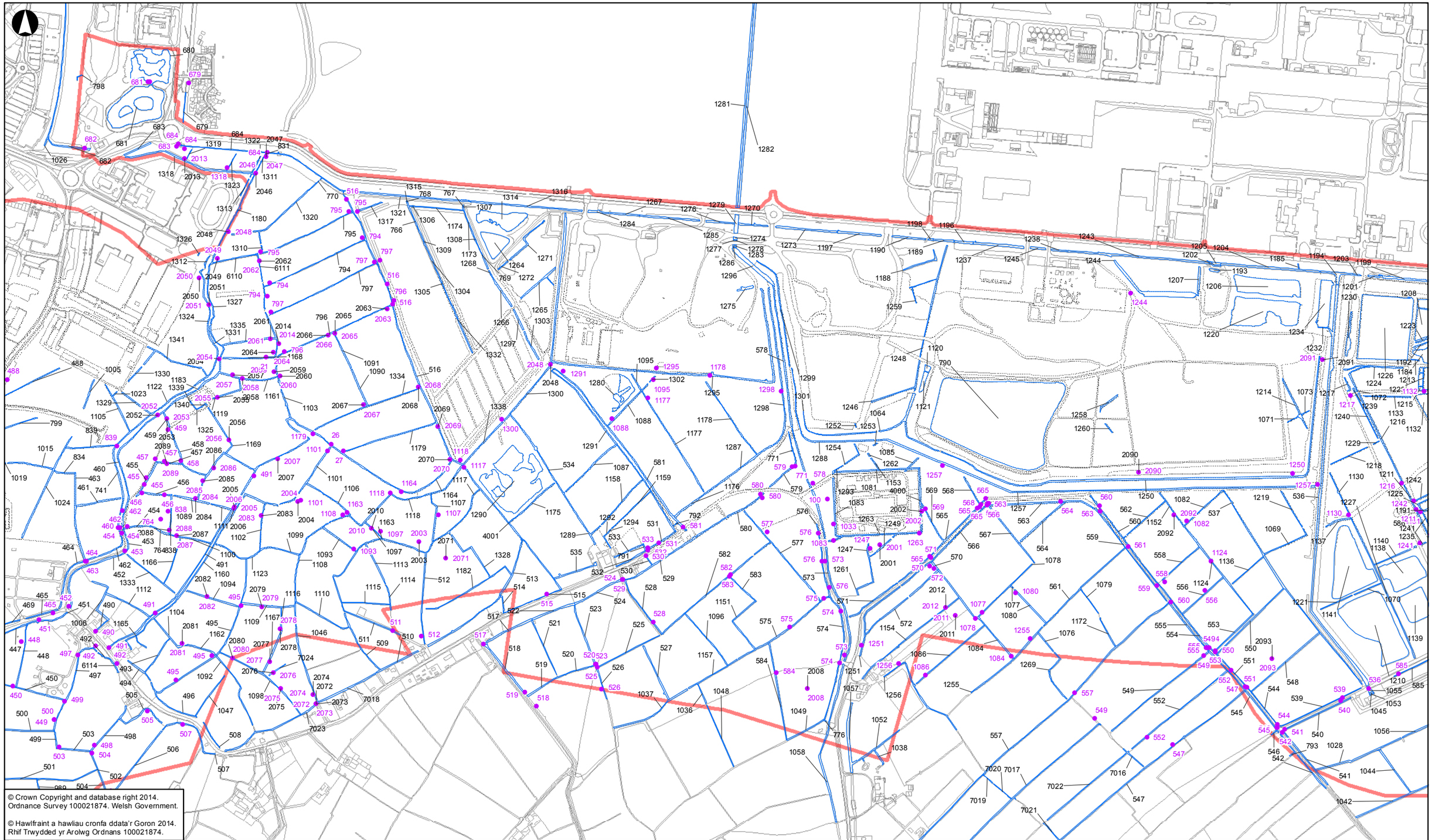

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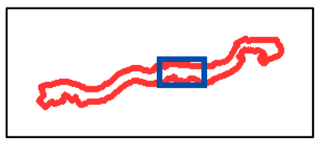
Rhif Trwydded yr Arolwg Ordnans 100021874.

Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



Issue	Date	By	Chkd	Appd
F1	2015-02-03	JM	DB	PW

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres
0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0008	F1

\\global\europe\Cardiff\Jobs\117000\117300-01\4 Internal Project Data\4-80 GIS\4-84 Map Documents\ENV_Environment\Ecology\Survey results\HSI Plans 20150202.mxd

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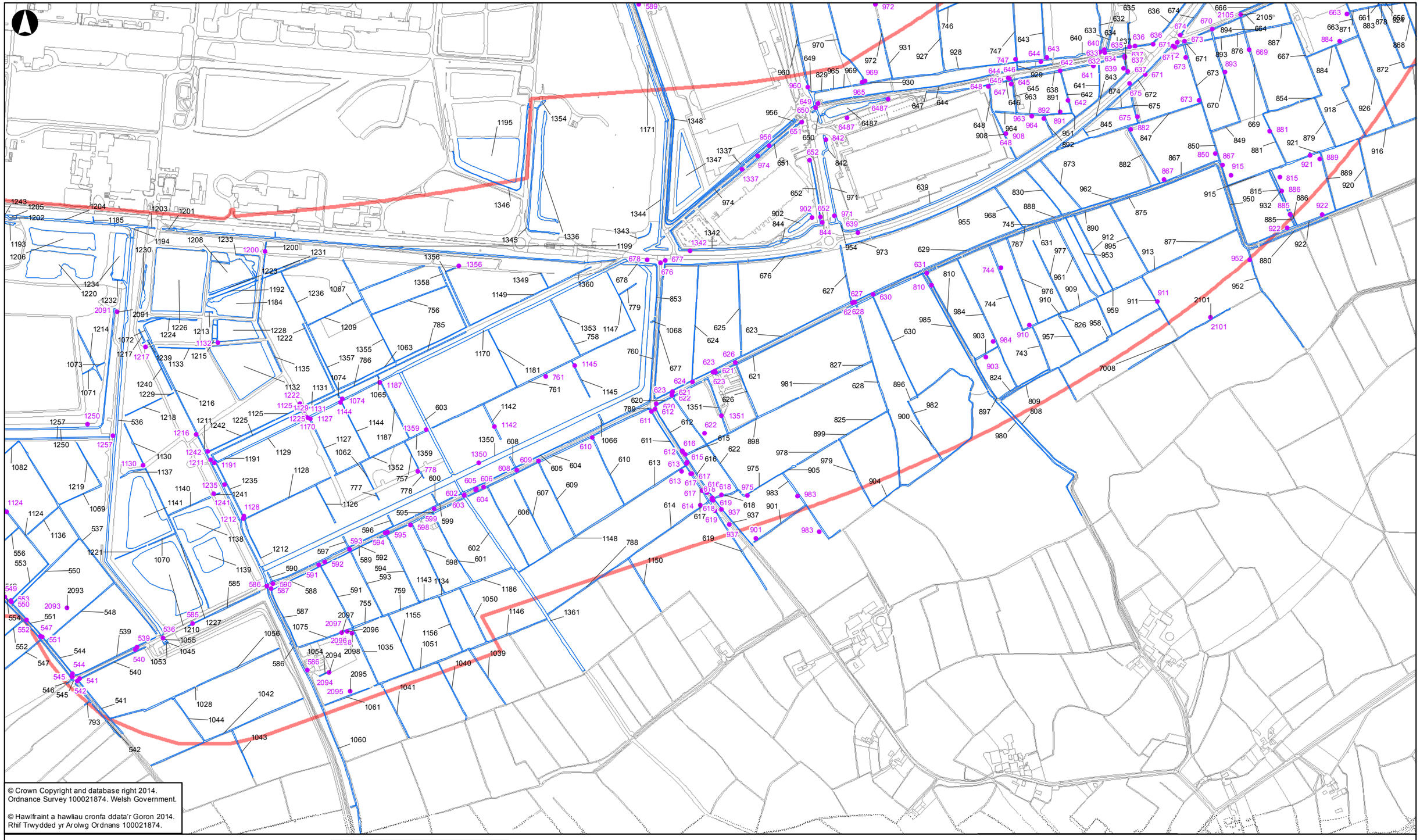
A3

03/02/2015 13:22:43



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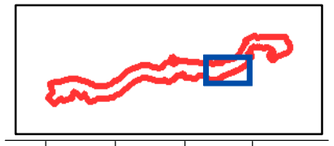
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



Issue	Date	By	Chkd	Appd
F1	2015-02-03	JM	DB	PW

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
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CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

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0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0009	F1

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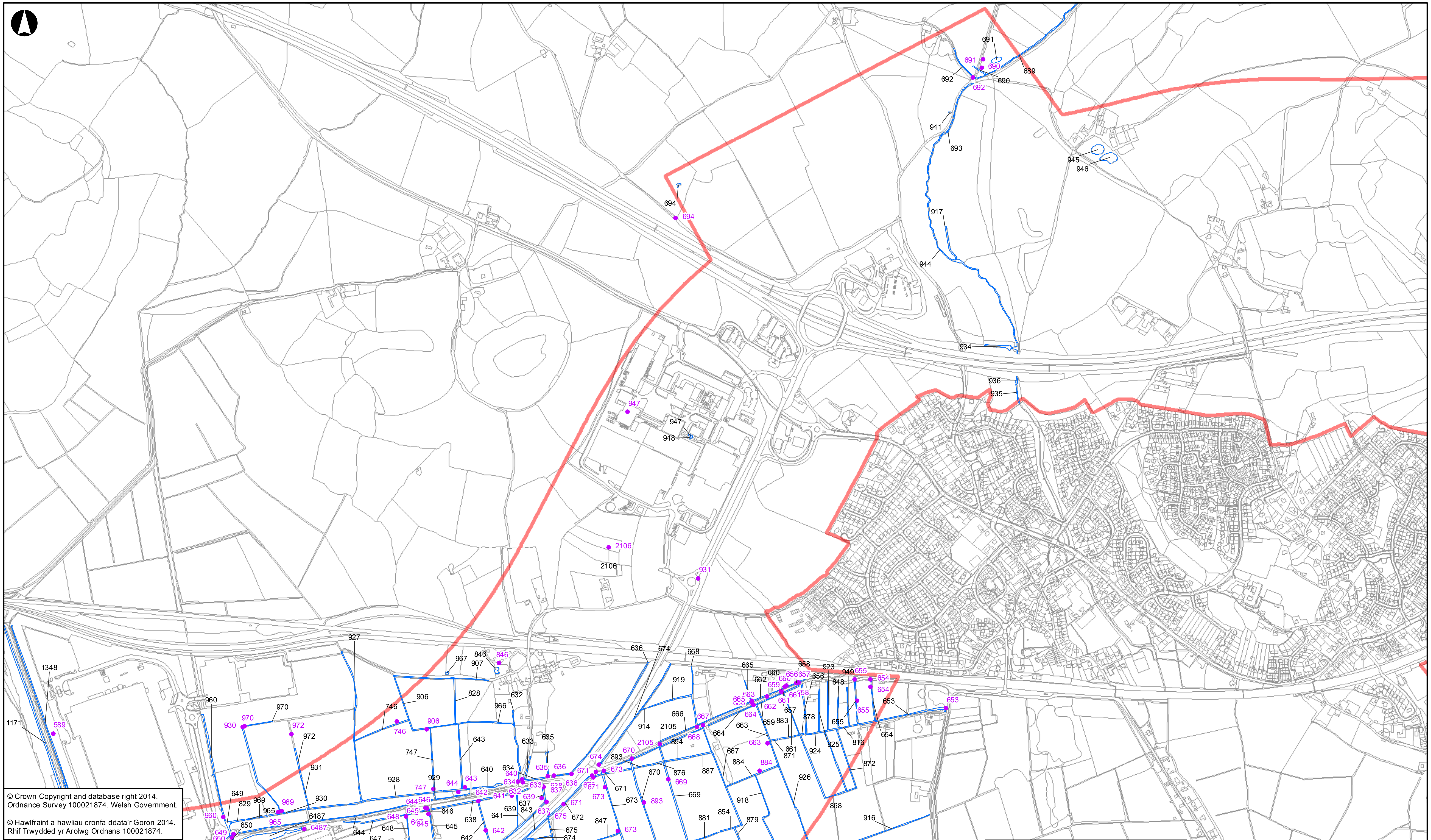

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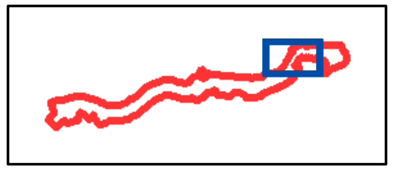
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



F1	2015-02-03	JM	DB	PW
Issue	Date	By	Chkd	Appd

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
Welsh Government
Cathays Park
Cardiff
CF10 3NQ

Trafnidiaeth
Adran Economi, Gwyddoniaeth a Thrafnidiaeth
Llywodraeth Cymru
Parc Cathays
Caerdydd
CF10 3NQ

Job Title

M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

Metres 0 75 150 300

Scale at A3 **1:10,000**

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0010	F1

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A3

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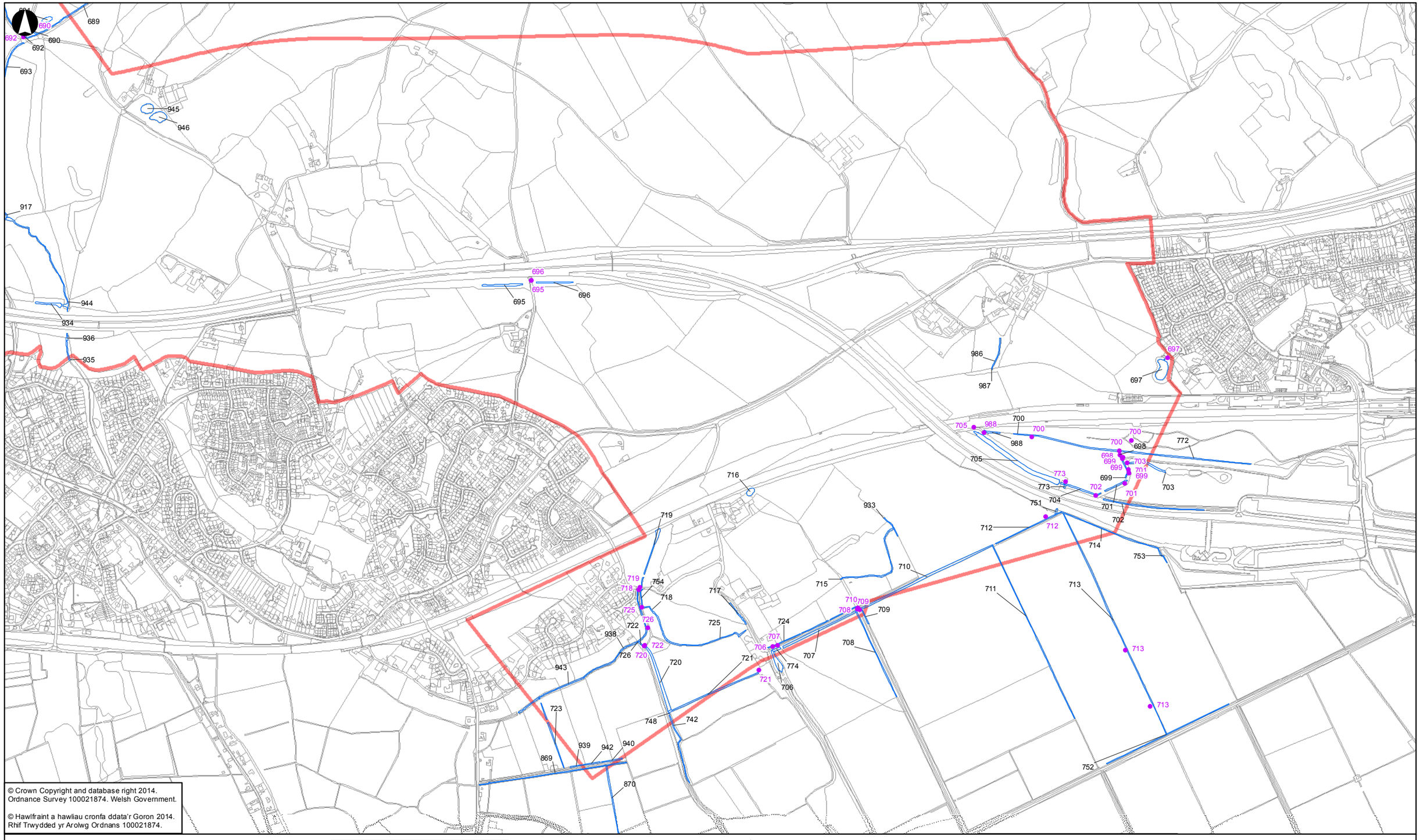

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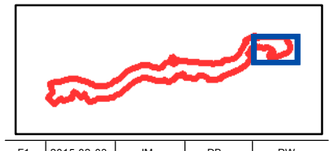
Legend

- HSI Survey Location
- Study Area
- 61 Waterbody Reference Number



Issue	Date	By	Chkd	Appd
F1	2015-02-03	JM	DB	PW

Client

Llywodraeth Cymru
Welsh Government

Transport
Department for Economy, Science and Transport
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Cathays Park
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CF10 3NQ

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CF10 3NQ

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M4 Corridor Around Newport

Coridor yr M4 o amgylch Casnewydd

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0 75 150 300

Scale at A3
1:10,000

ARUP

4 Pierhead Street
Cardiff CF10 4QP
Tel +44 29 2047 3727 Fax +44 29 2047 2277
www.arup.com

Drawing Title

HSI Scores

Job No	Drawing Status
117300-01	For Issue

Drawing No	Issue
M4-OA-01-00-DR-Z-AM-0011	F1

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Appendix A

Target Notes

A1 Target Notes

NB. Target Notes were numbered sequentially and a subsequent check revealed a number of these required removal due to duplication or being a blank record. This affects Target Notes 1, 209, 224, 232, 252, 265, 278, 281, 285, 305, 308, 316, 326, 336, 337, 342, 348, 353, 359, 367, 368, 369, 378, 381, 393, 528, 531, 534, 537, 538, 544, 602, 654, 657, 668, 673, 675, 684, 689, 695, 781, 786 and 811.

Extended Phase 1 Target Notes

Target Note Number:	2	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Scentless mayweed, perennial ryegrass, speedwell sp, dandelion, narrow leaved dock, thistle sp, selfheal, stitchwort sp.
Rabbit evidence.

Potential for Protected Species:

Target Note Location Map:

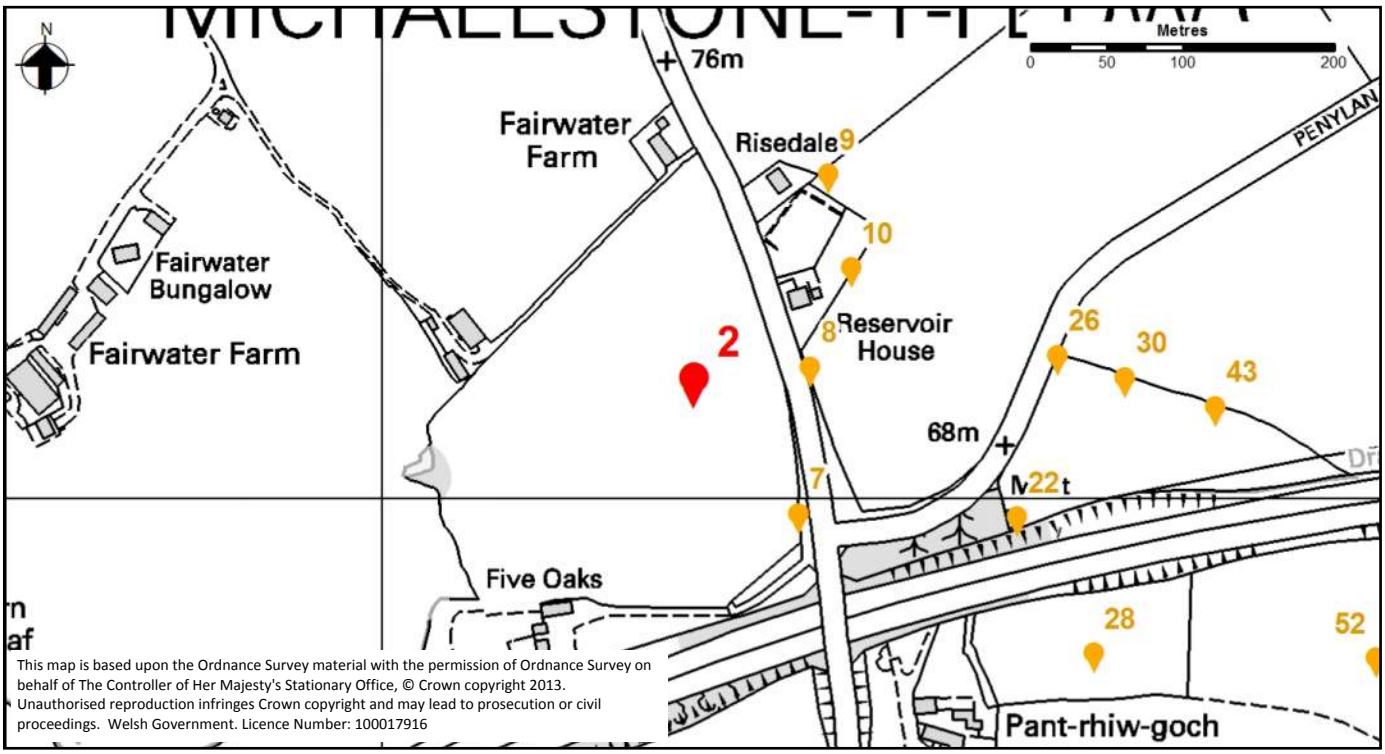

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	3	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Target Note:

Japanese knotweed

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

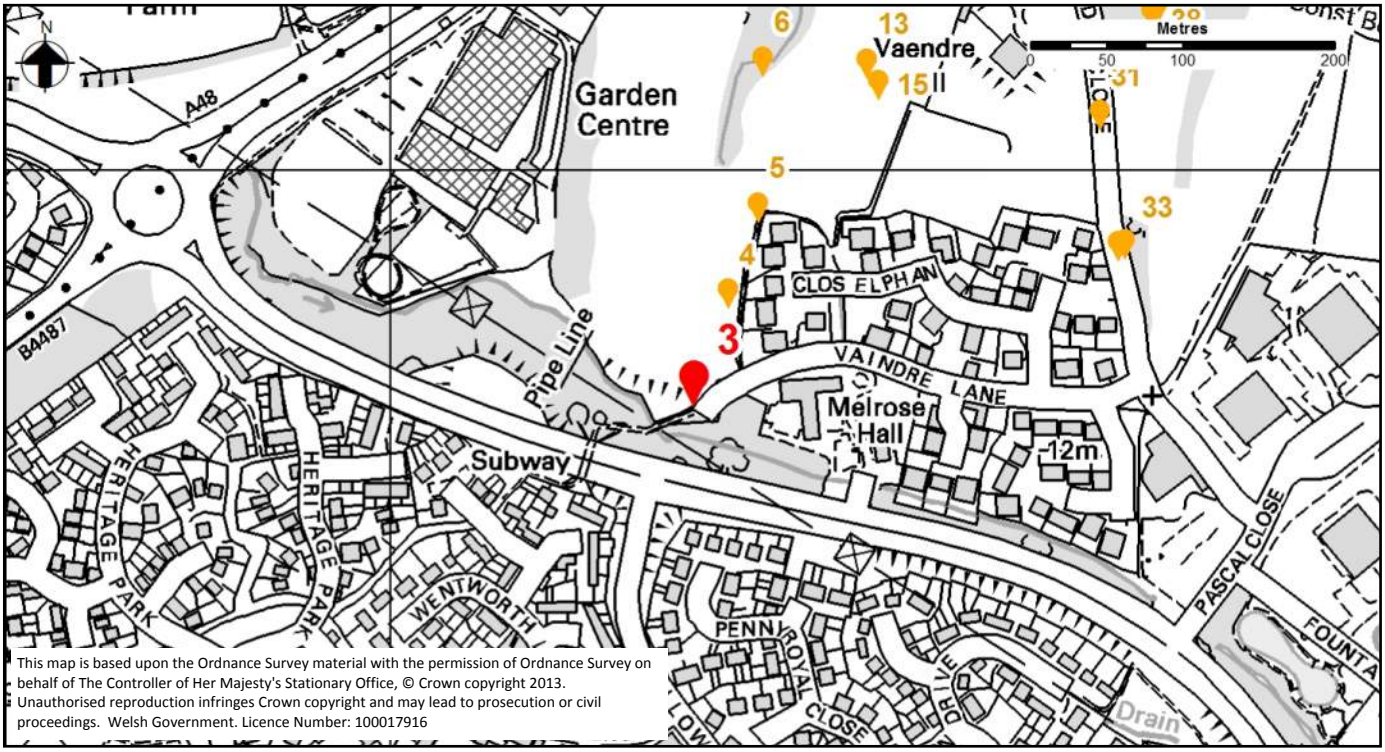

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Photo 1

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Extended Phase 1 Target Notes

Target Note Number:	4	Date:	17-09-2014 12:32	GPS:	51.53, -3.09

Dominant Habitats:

Hedgerow

Target Note:

Japanese knotweed along treeline.

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note Location Map:

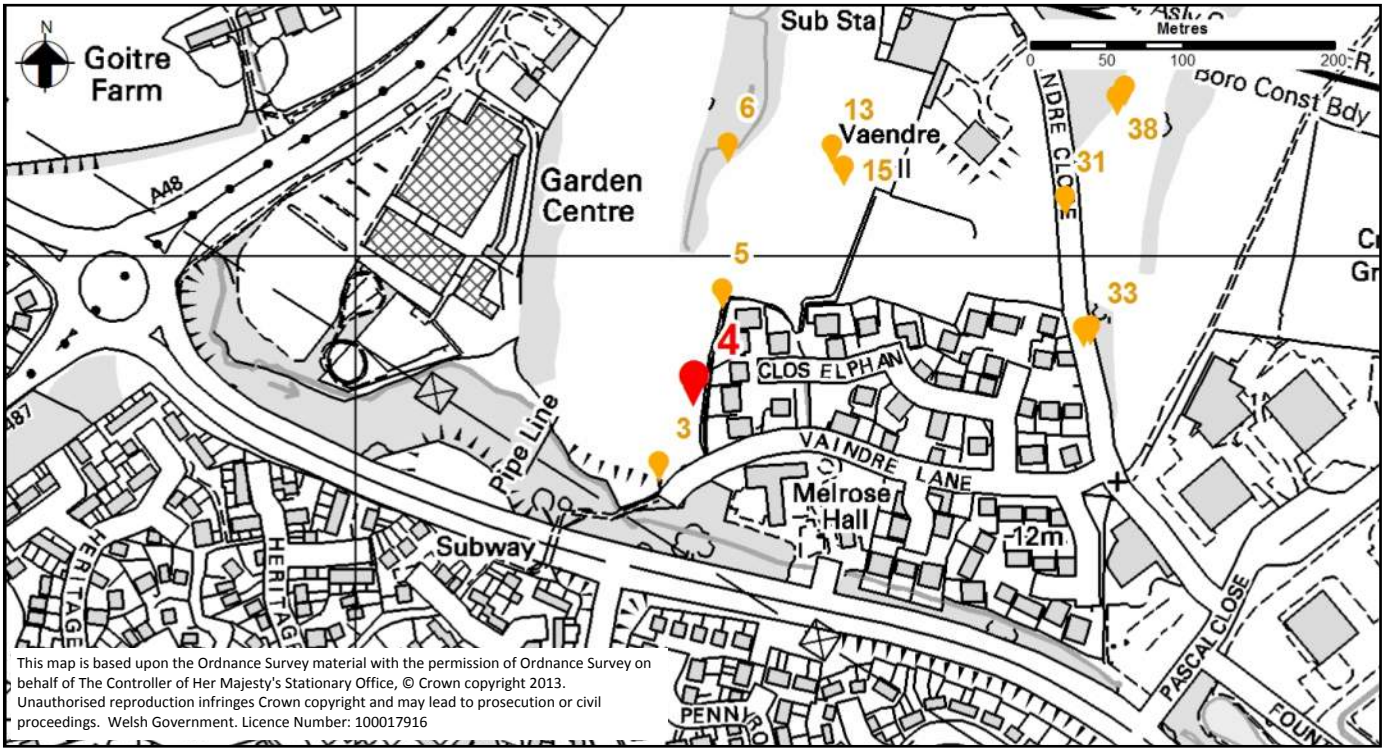

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	5	Date:	17-09-2014 12:25	GPS:	51.53, -3.09

Dominant Habitats:

Hedgerow

Target Note:

Cherry laurel

Potential for Protected Species:

Target Note Location Map:

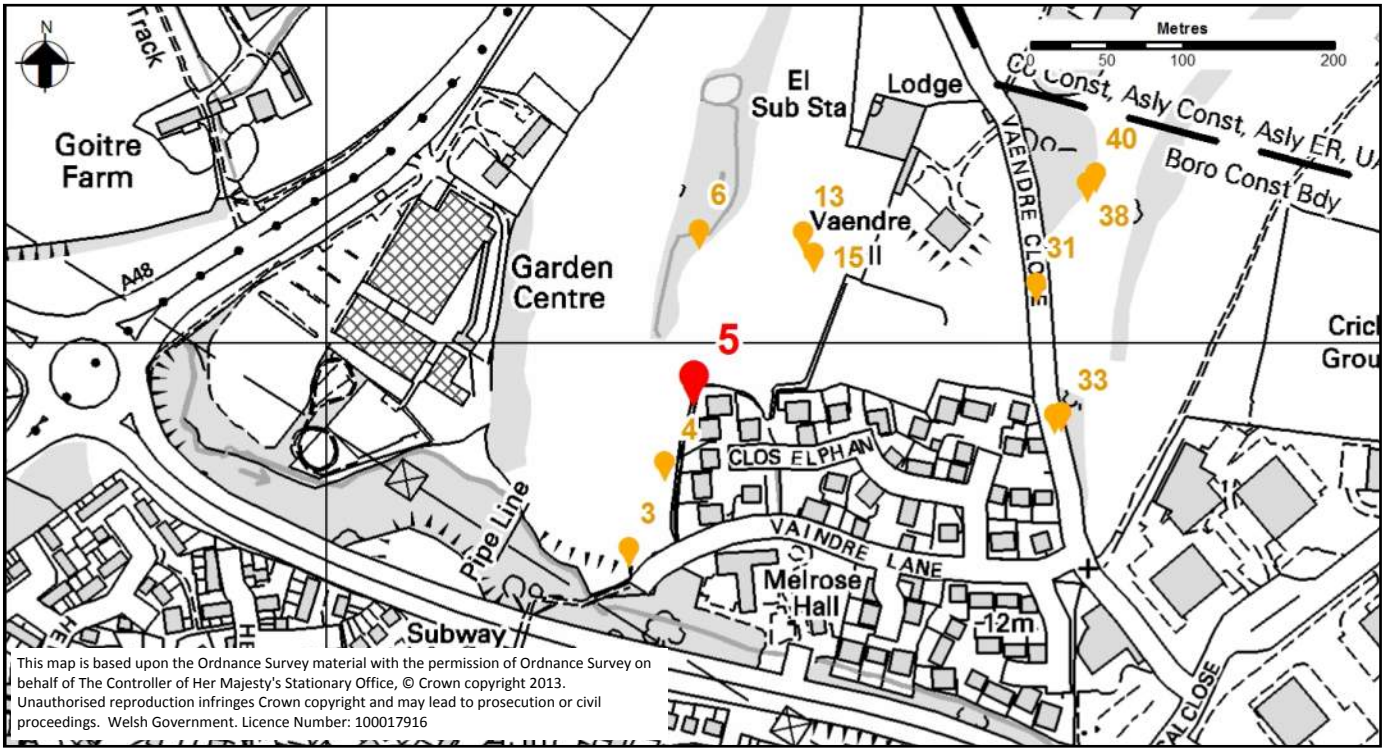

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	6	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Compost heap

Target Note Location Map:

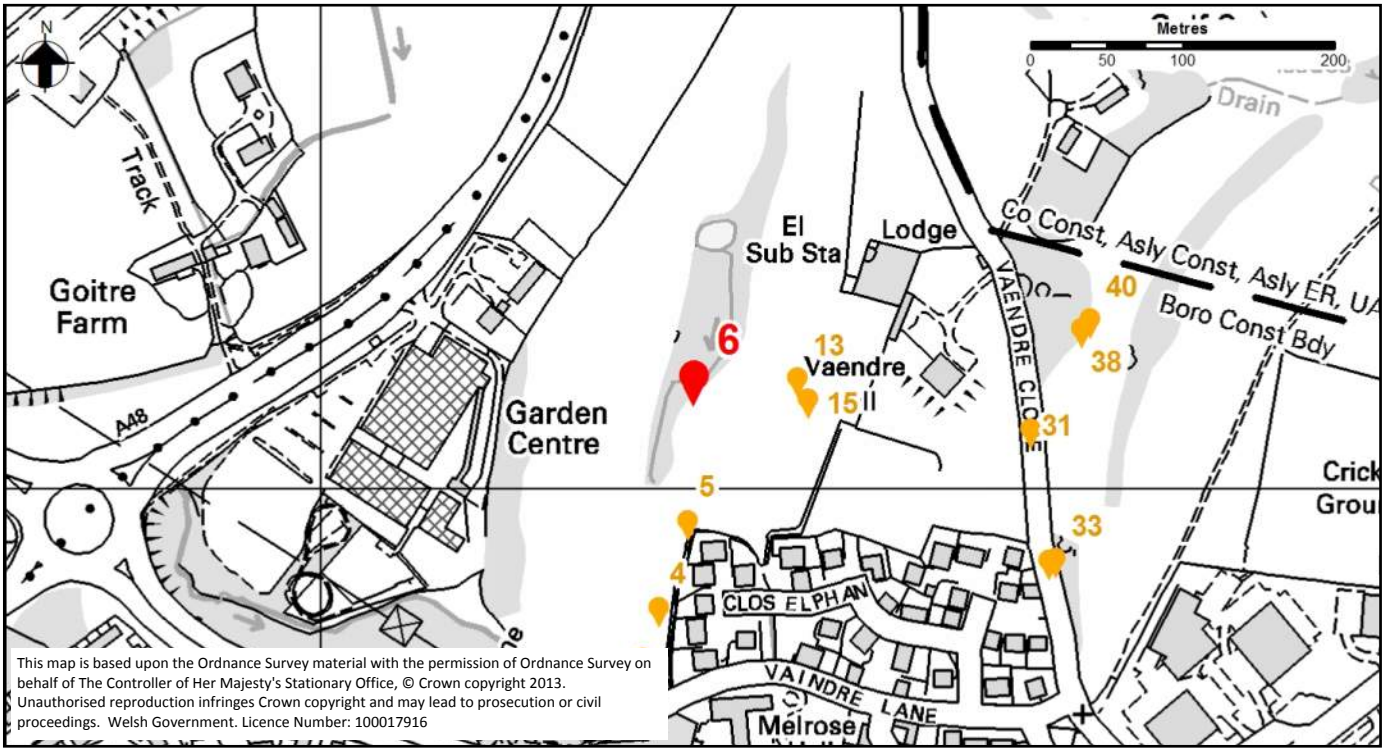

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	7	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Ash, conifer sp., bramble, dogrose, ivy, Scots pine, silver birch, pendunculate oak, blackthorn, Sorbus sp, willow sp.

Potential for Protected Species:

Target Note Location Map:

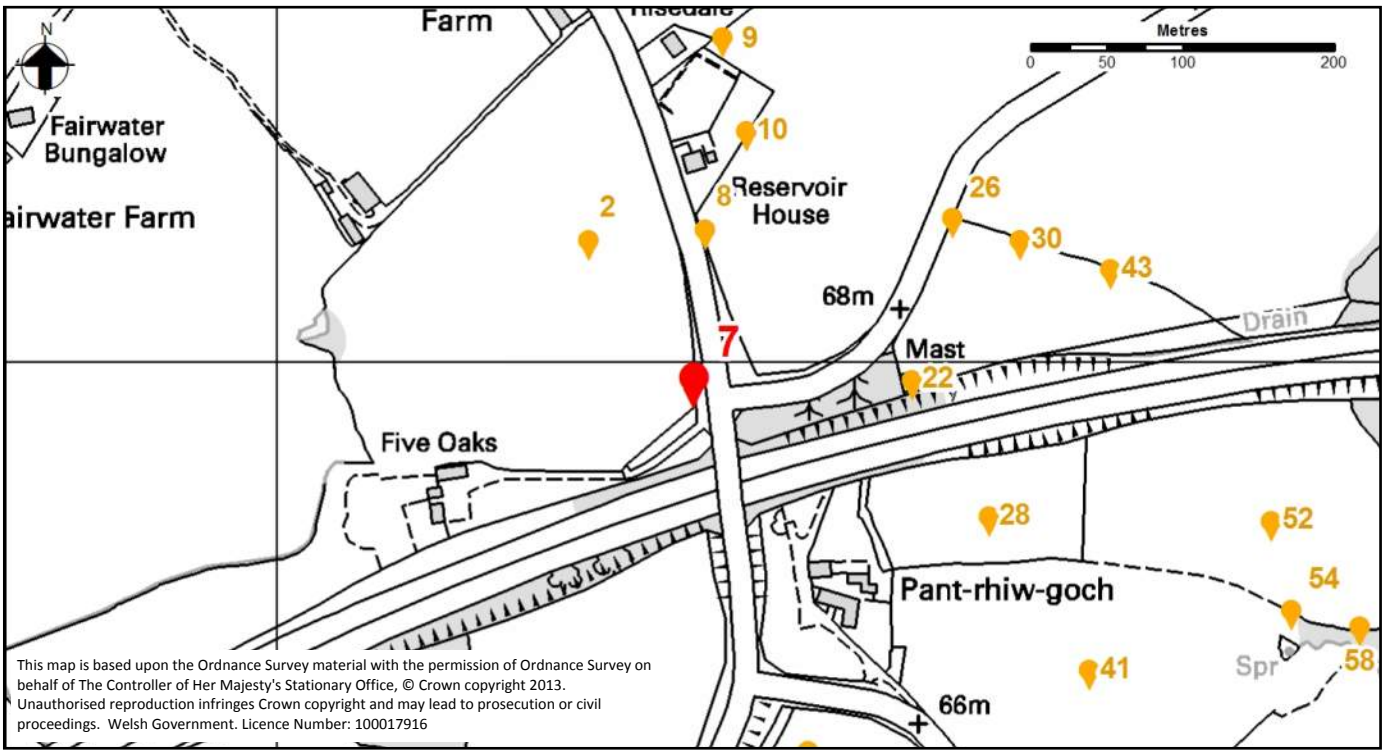

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	8	Date:	30-09-2014 10:53	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note:

Himalayan balsam.

Target Note Location Map:

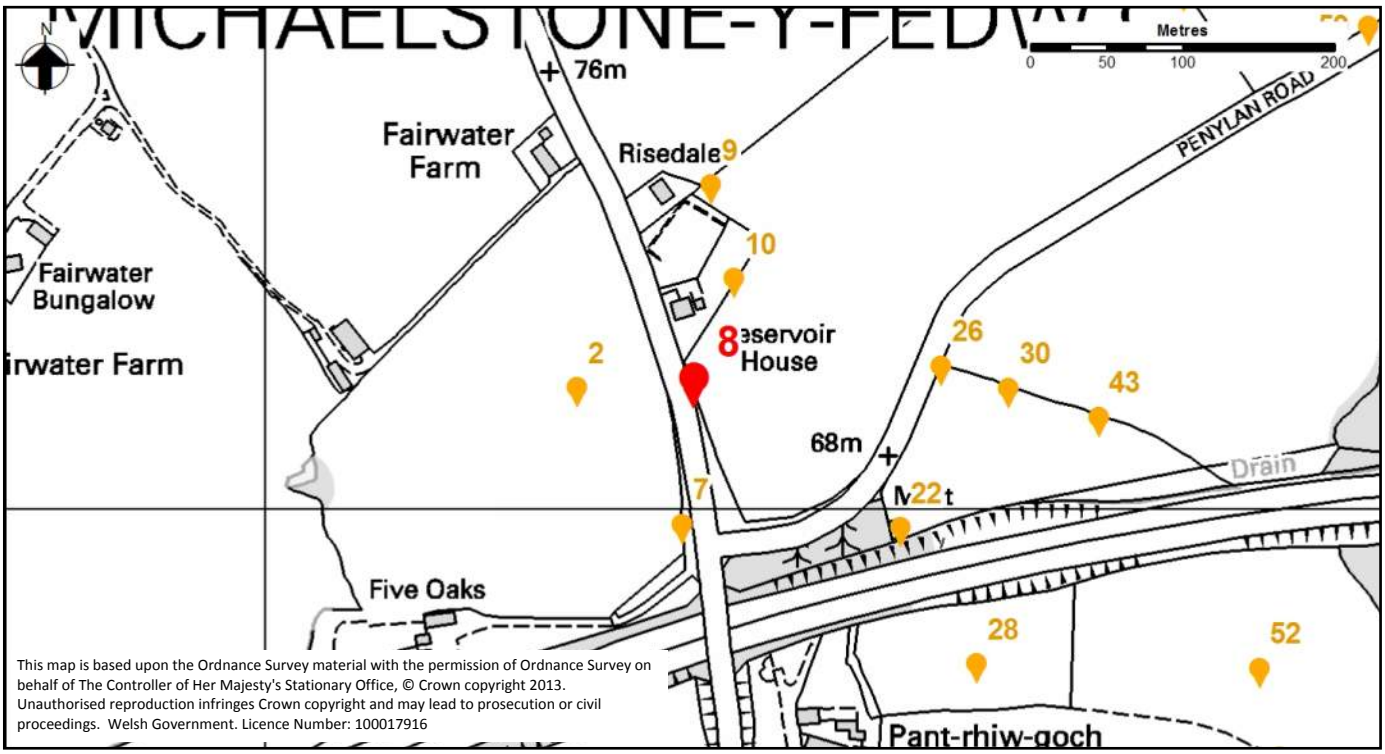

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	9	Date:	30-09-2014 11:03	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Badger

Target Note:

Badger potential

Target Note Location Map:

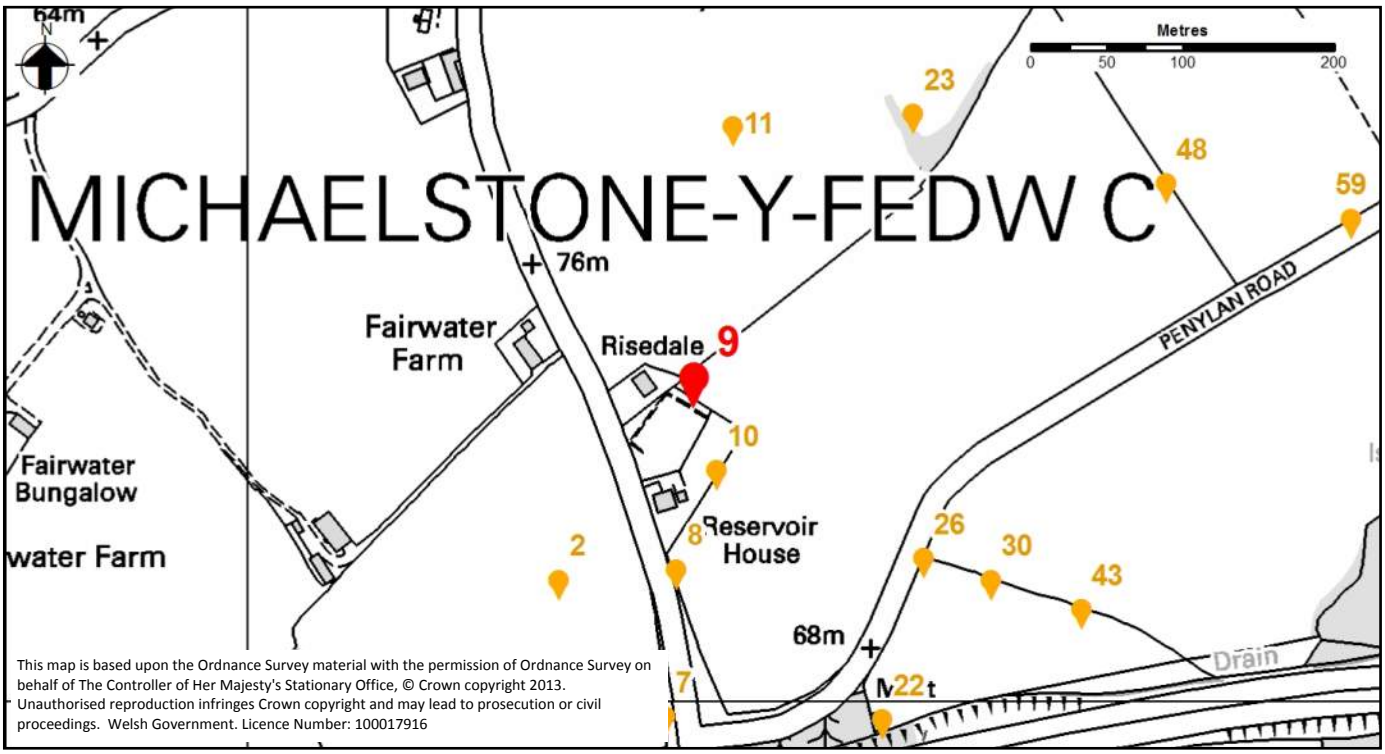

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	10	Date:	30-09-2014 10:58	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Target Note:

Cherry laurel

Target Note Location Map:

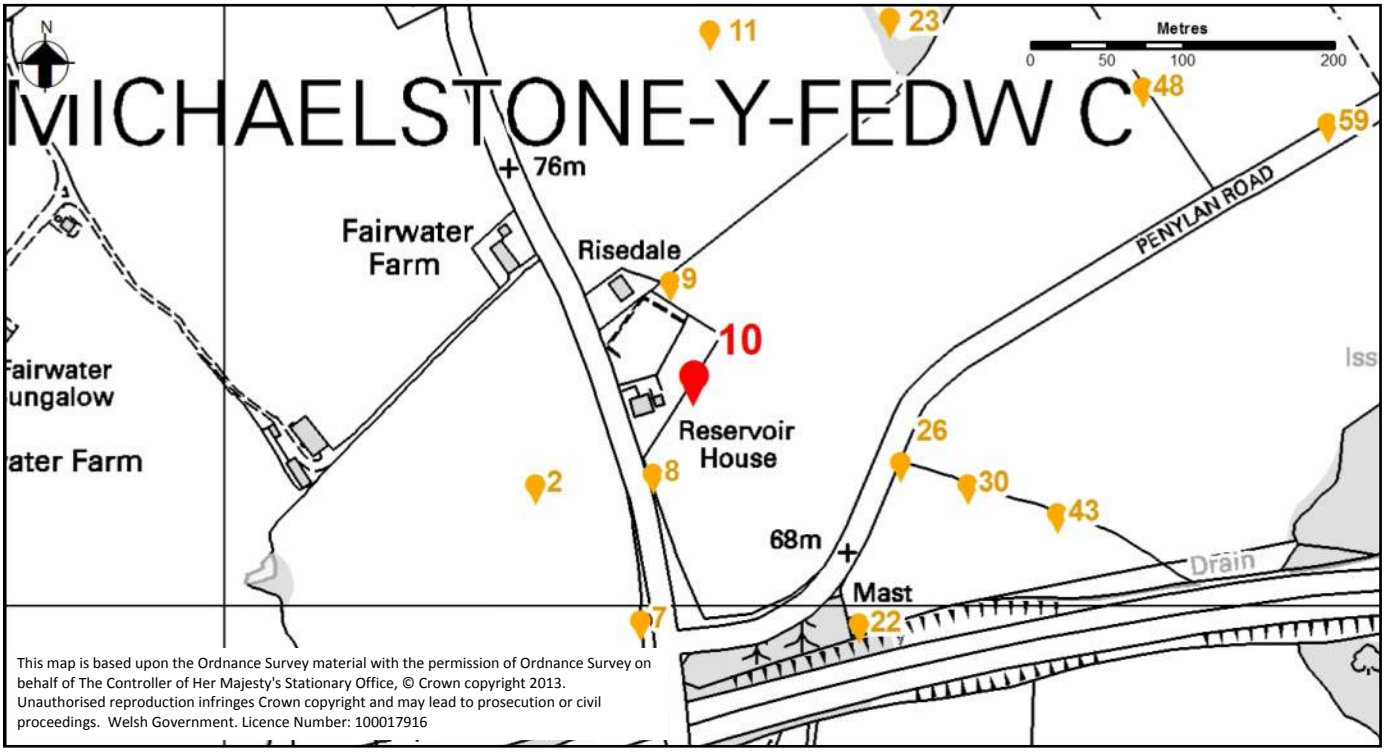

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	11	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Molinia, mustard sp, speedwell sp, violet, scentless mayweed, thistle sp., common nettle, maize, herb robert, perennial ryegrass, sow thistle, stitchwort, nipplewort, groundsel, vetch, dandelion, selfheal

Potential for Protected Species:

Target Note Location Map:

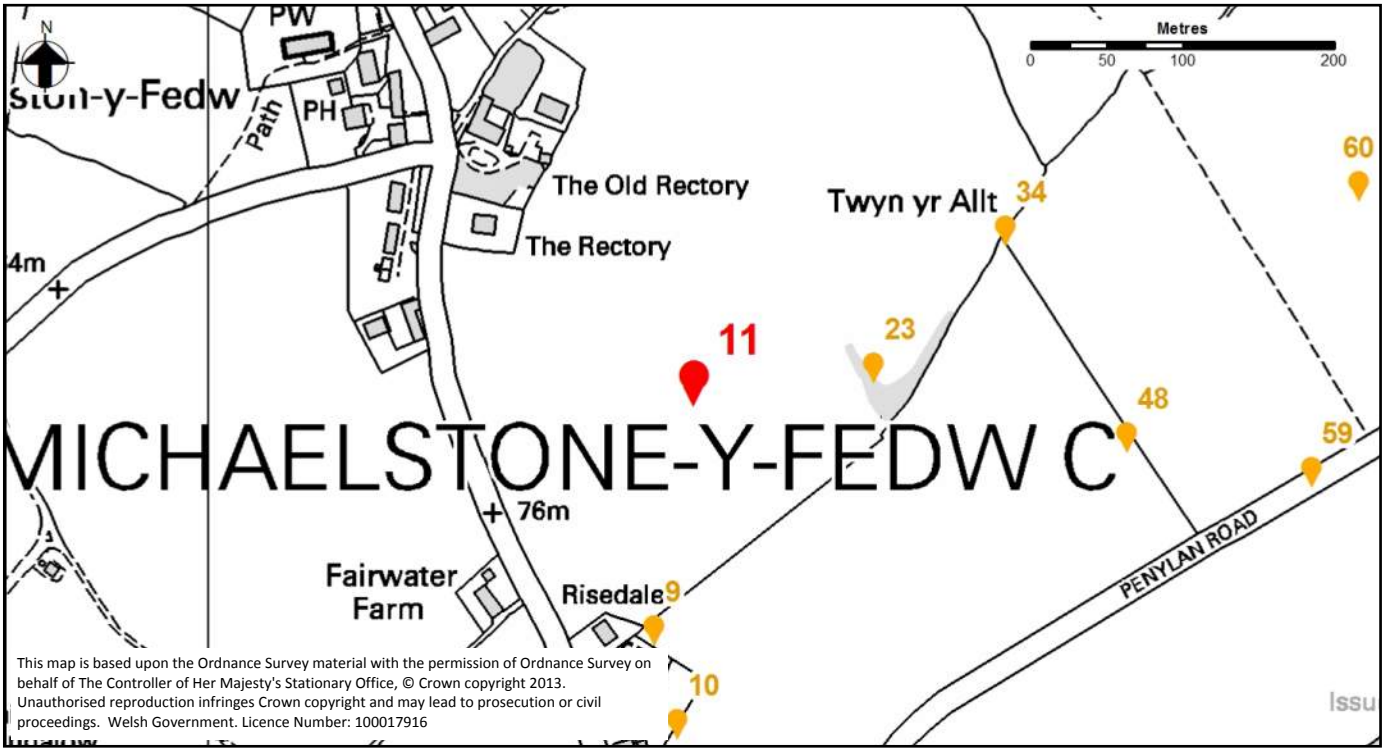

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	12	Date:	17-09-2014	GPS:	51.54, -3.09

Dominant Habitats:

Semi-natural mixed woodland, disturbed/cultivated amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Compost heap and invasive species

Target Note Location Map:

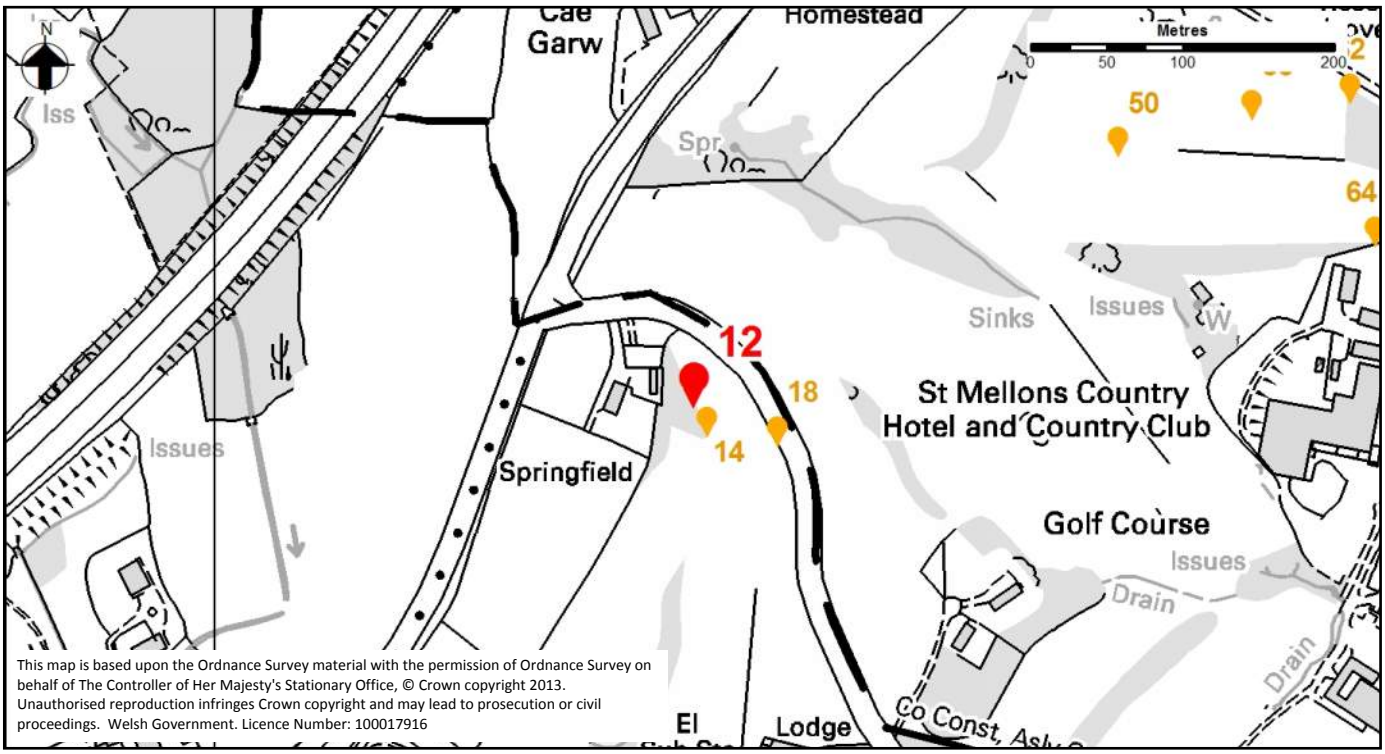

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	13	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Target Note:

Compost heap; Himalayan balsam

Potential for Protected Species:

Reptiles; WCA 1981 Schedule 9 Invasive

Target Note Location Map:

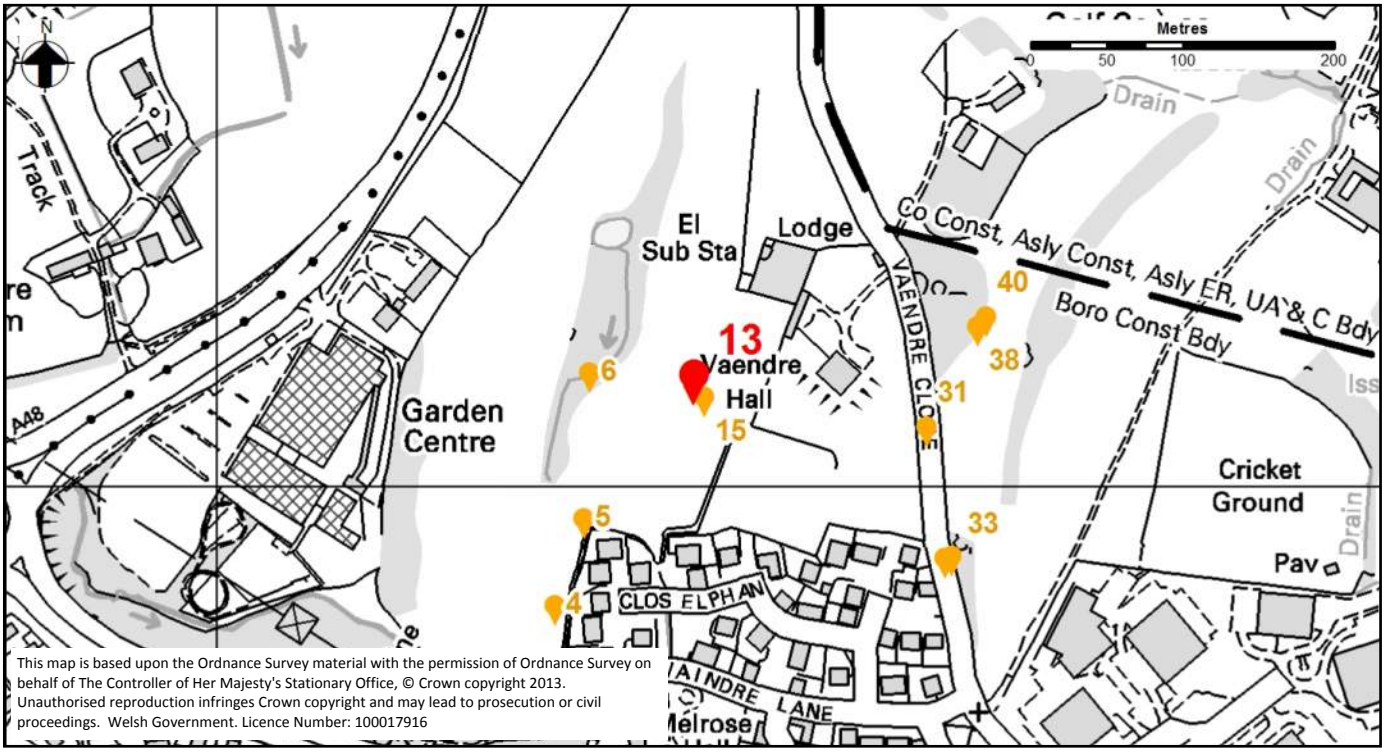

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	14	Date:	17-09-2014 15:04	GPS:	51.54, -3.09

Dominant Habitats:

Woodland

Target Note:

Well worn mammal pathway

Potential for Protected Species:

Target Note Location Map:

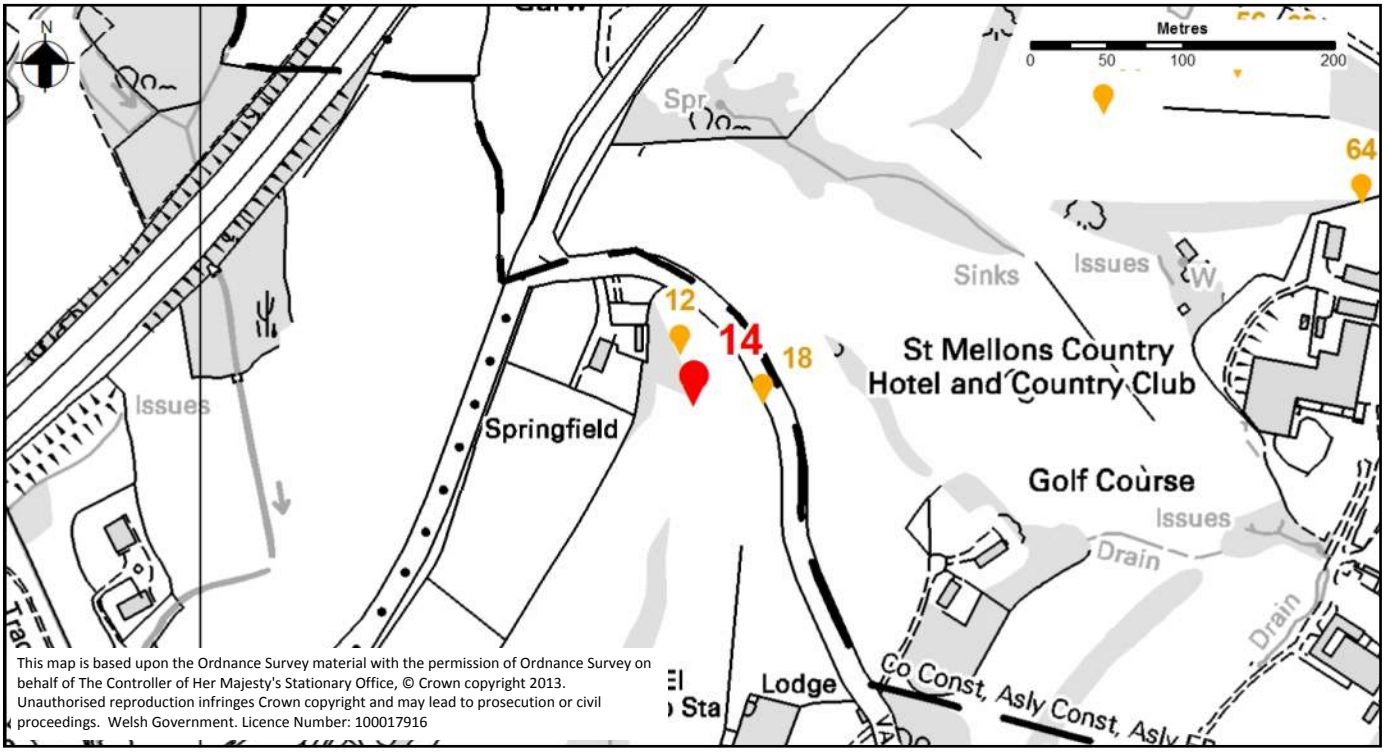

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	15	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Target Note:

Compost heap

Potential for Protected Species:

Reptiles

Target Note Location Map:

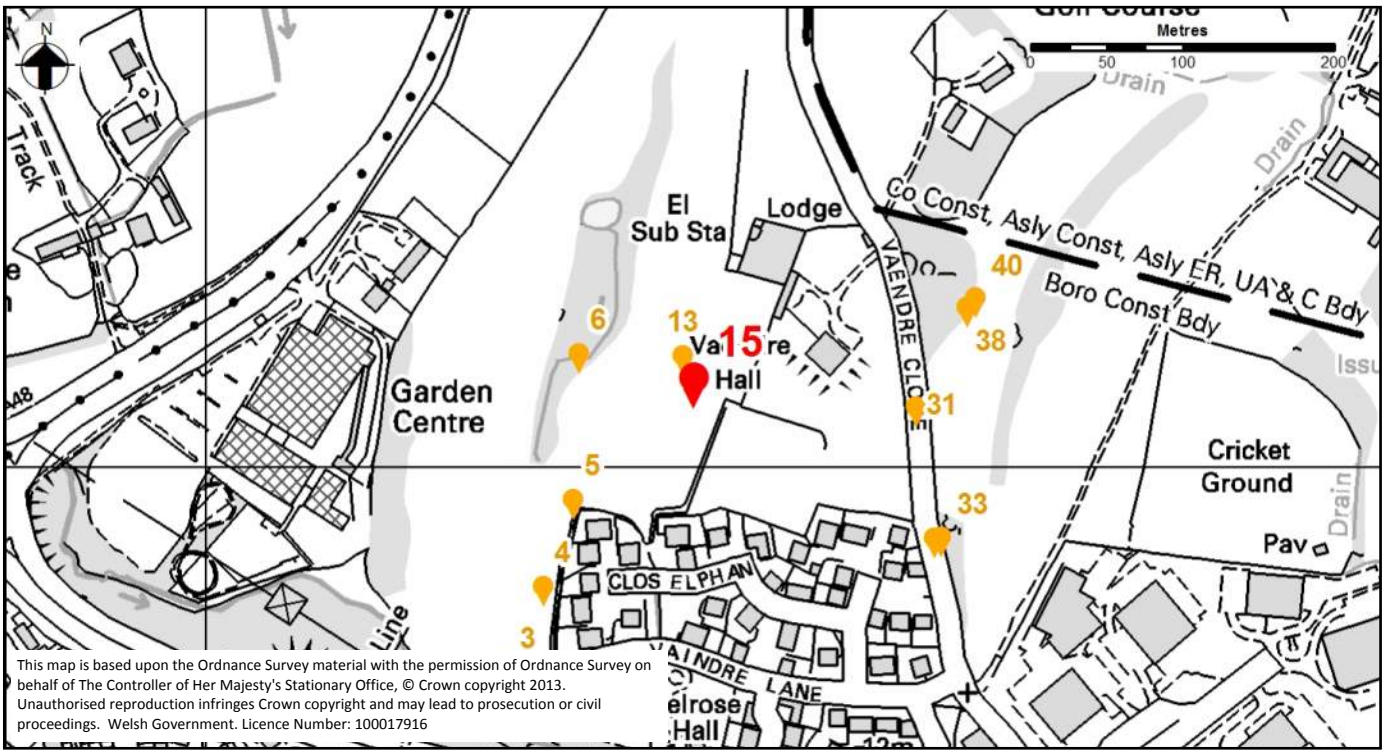

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	16	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Sycamore, beech, elder, ash, holly, willow, hawthorn

Potential for Protected Species:

Target Note Location Map:

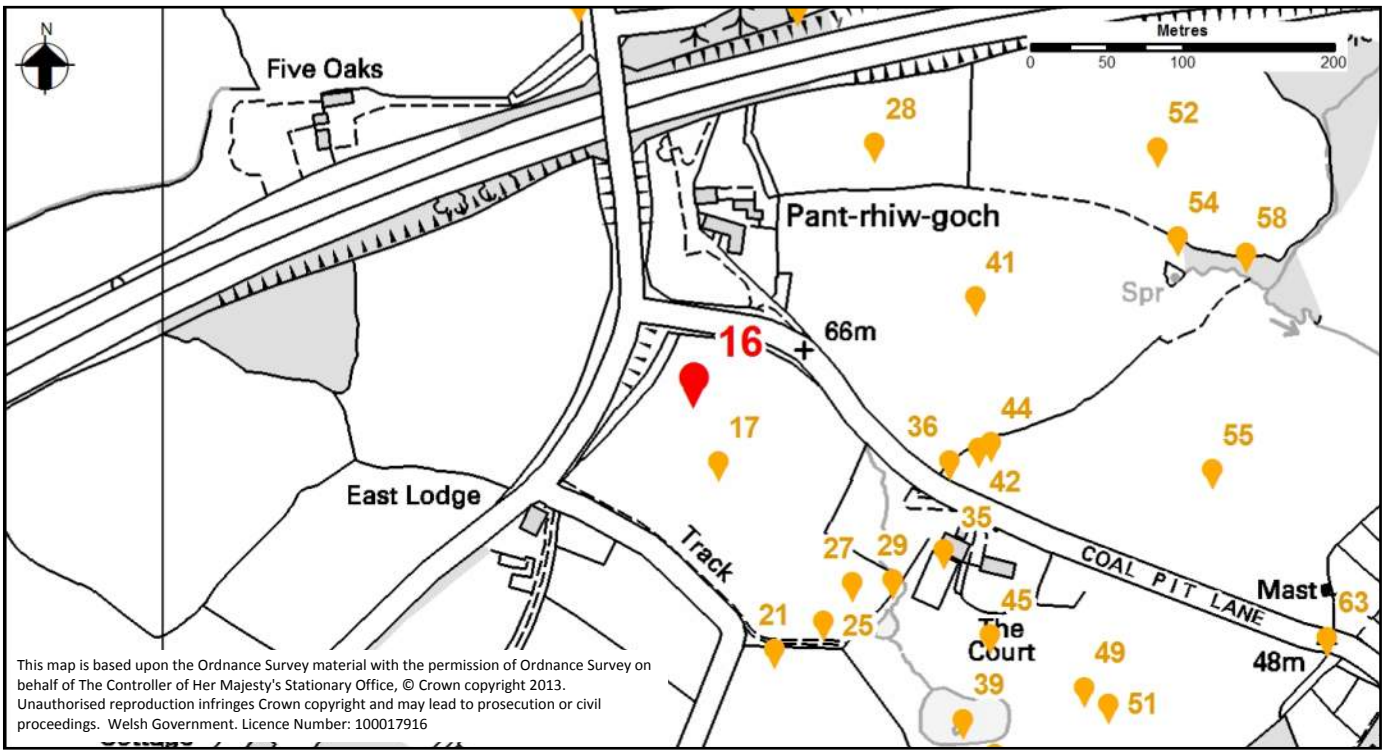

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	17	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Oxeye daisy, meadow buttercup, scentless mayweed, rosehip, ivy, nettle, red clover, broad leaved dock

Potential for Protected Species:

Target Note Location Map:

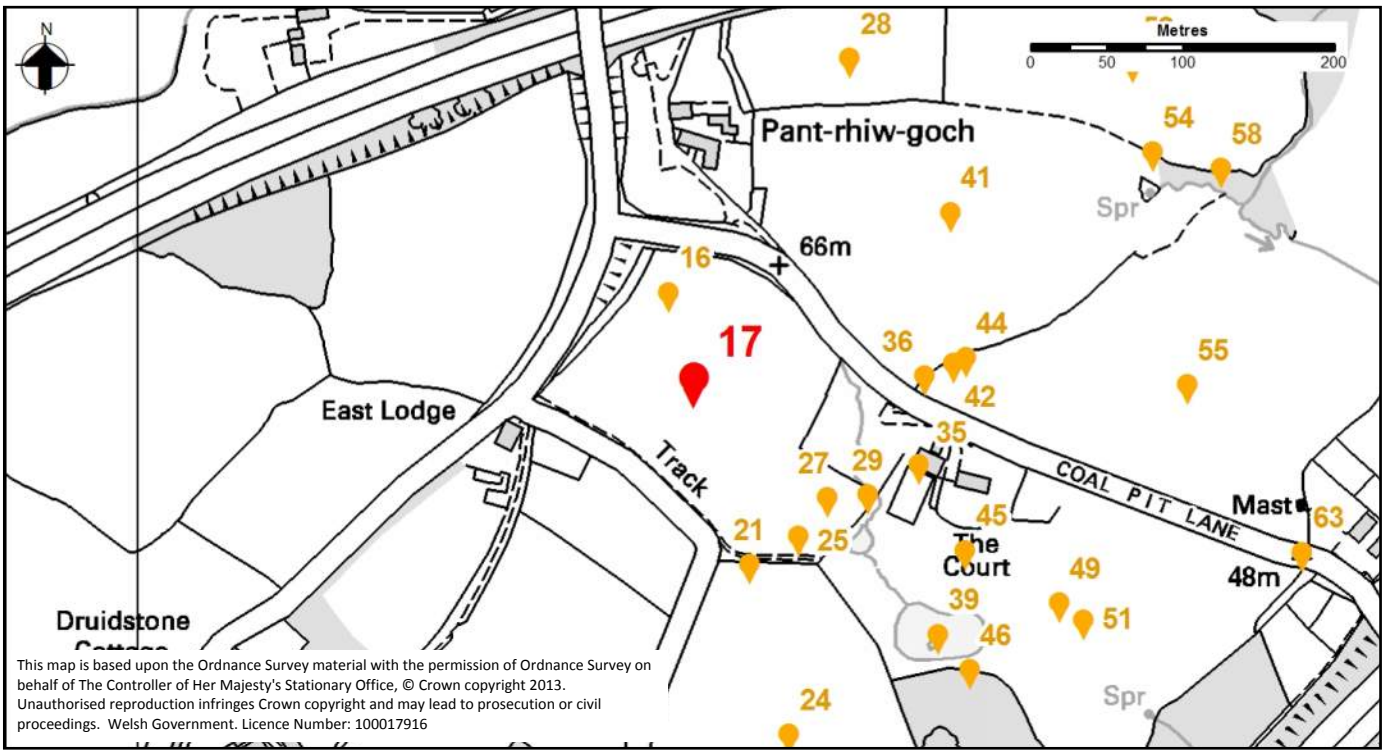

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	18	Date:	17-09-2014	GPS:	51.54, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Compost heap

Target Note Location Map:

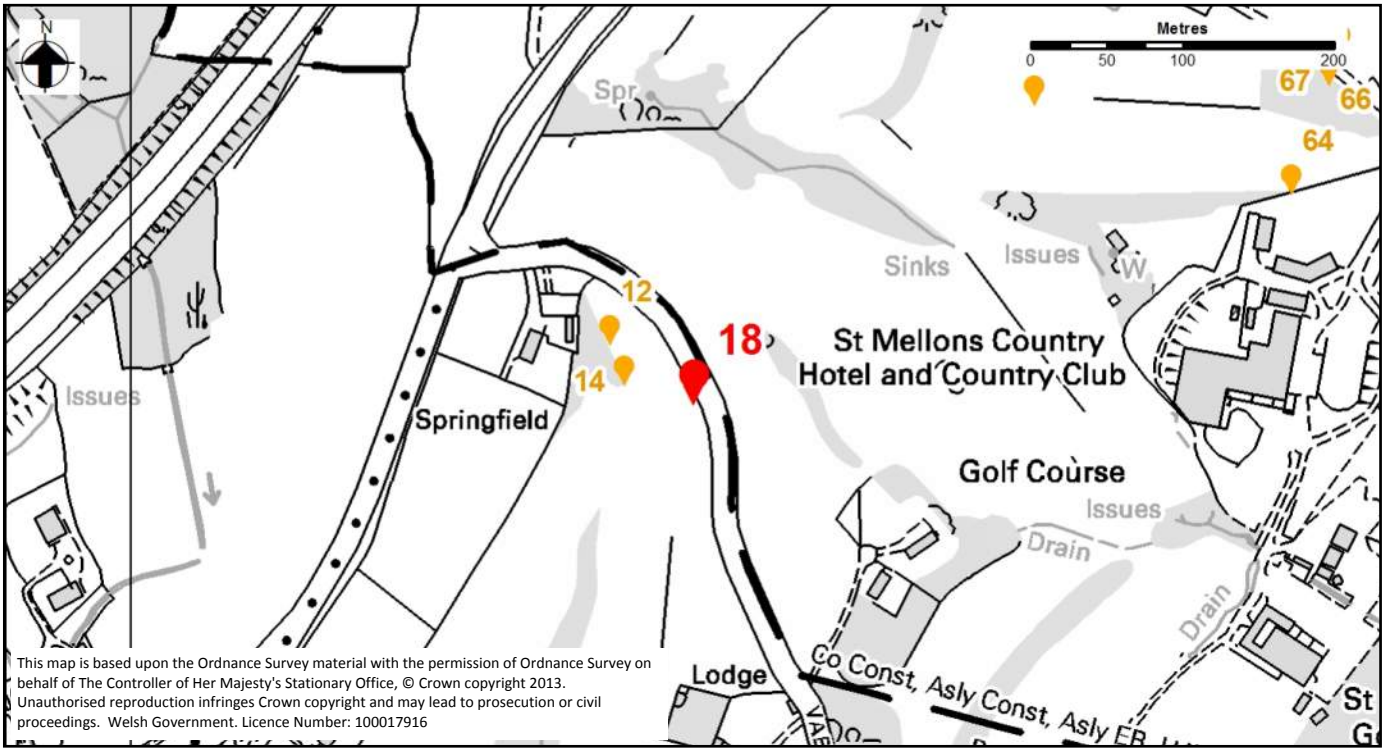

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	19	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Ragwort, buttercup, broad leaved dock, ribwort, yarrow, water parsnip, nettle, cock's foot, bramble

Potential for Protected Species:

Target Note Location Map:

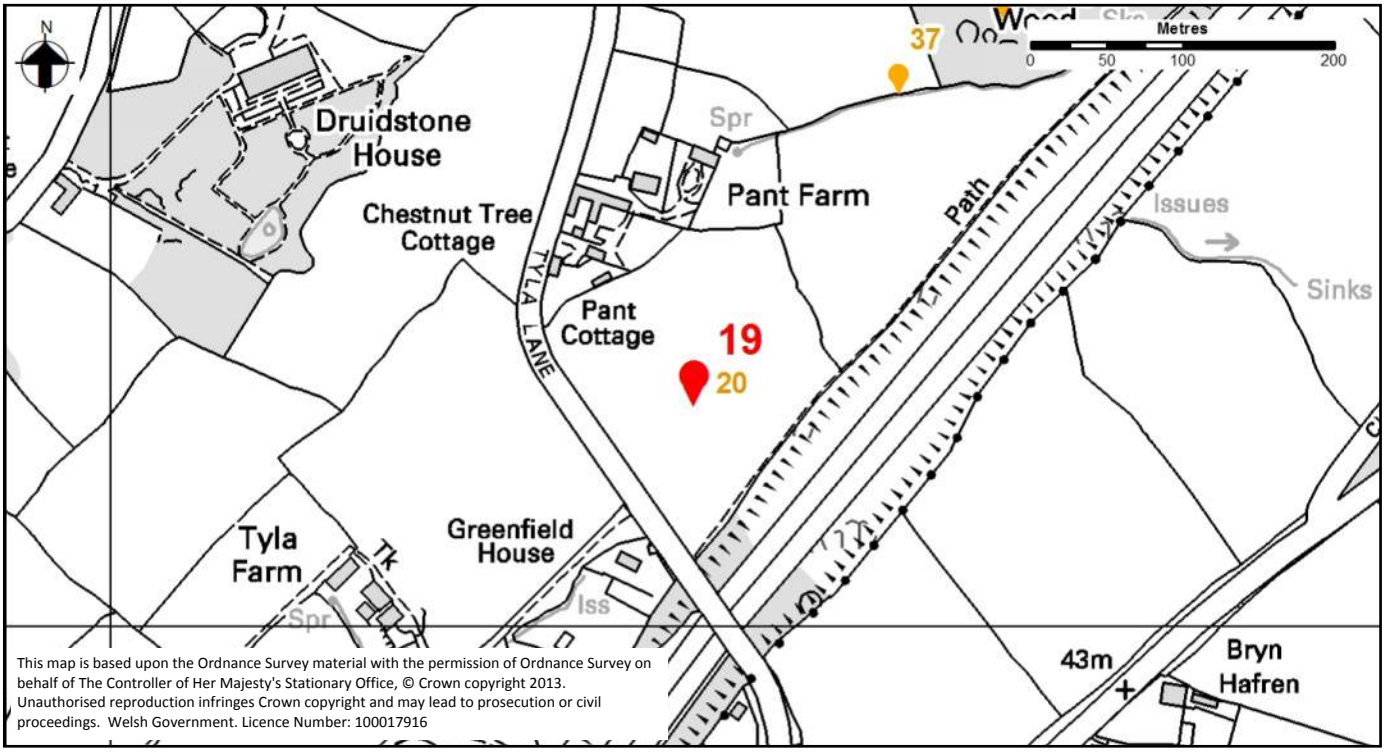

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	20	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Ragwort, buttercup, broad leaved dock, ribwort plantain, yarrow, water parsnip, nettle, cocksfoot, bramble

Potential for Protected Species:

Target Note Location Map:

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	21	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Hedge bindweed, silverweed, bracken, thistle, ribwort plantain, hogweed, meadow buttercup

Potential for Protected Species:

Target Note Location Map:

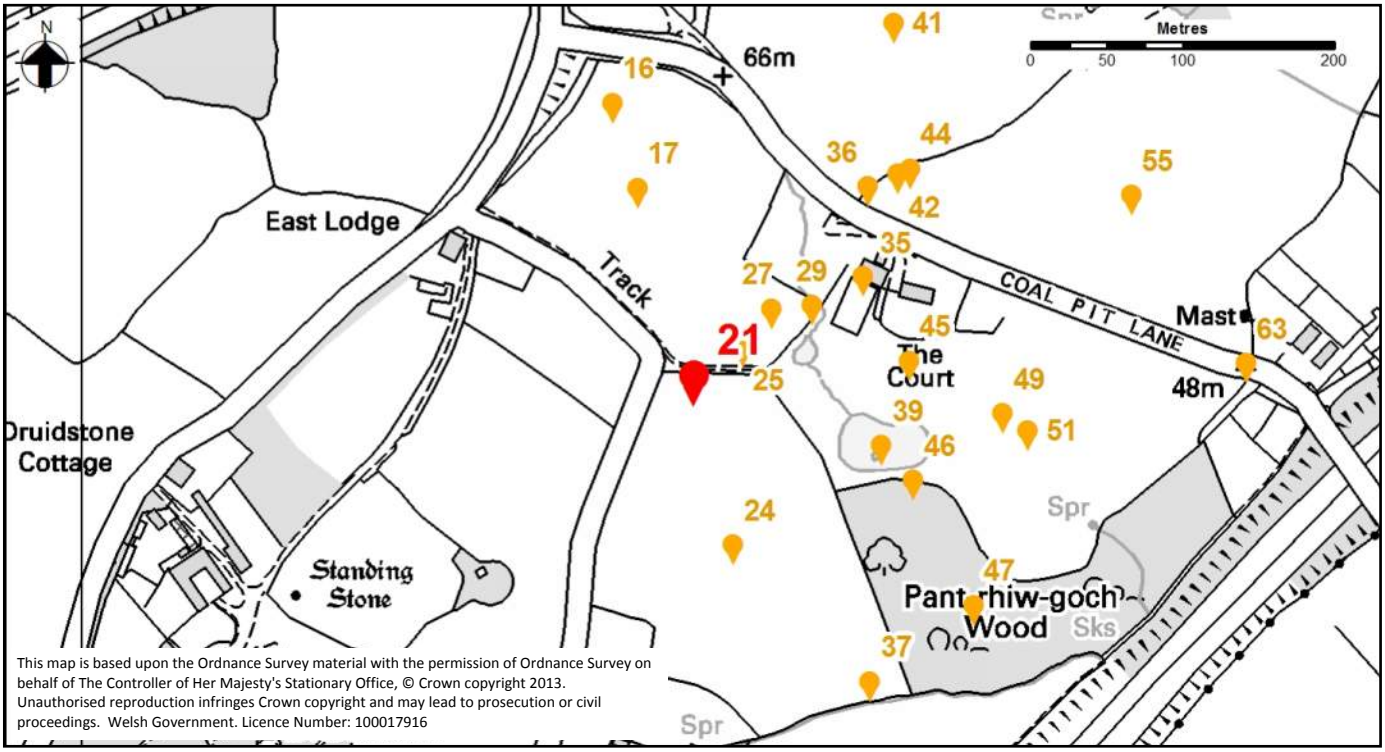

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	22	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Common nettle, hogweed, willowherb, thistle sp., cock's foot, creeping thistle, bracken, ivy, herb robert

Potential for Protected Species:

Target Note Location Map:

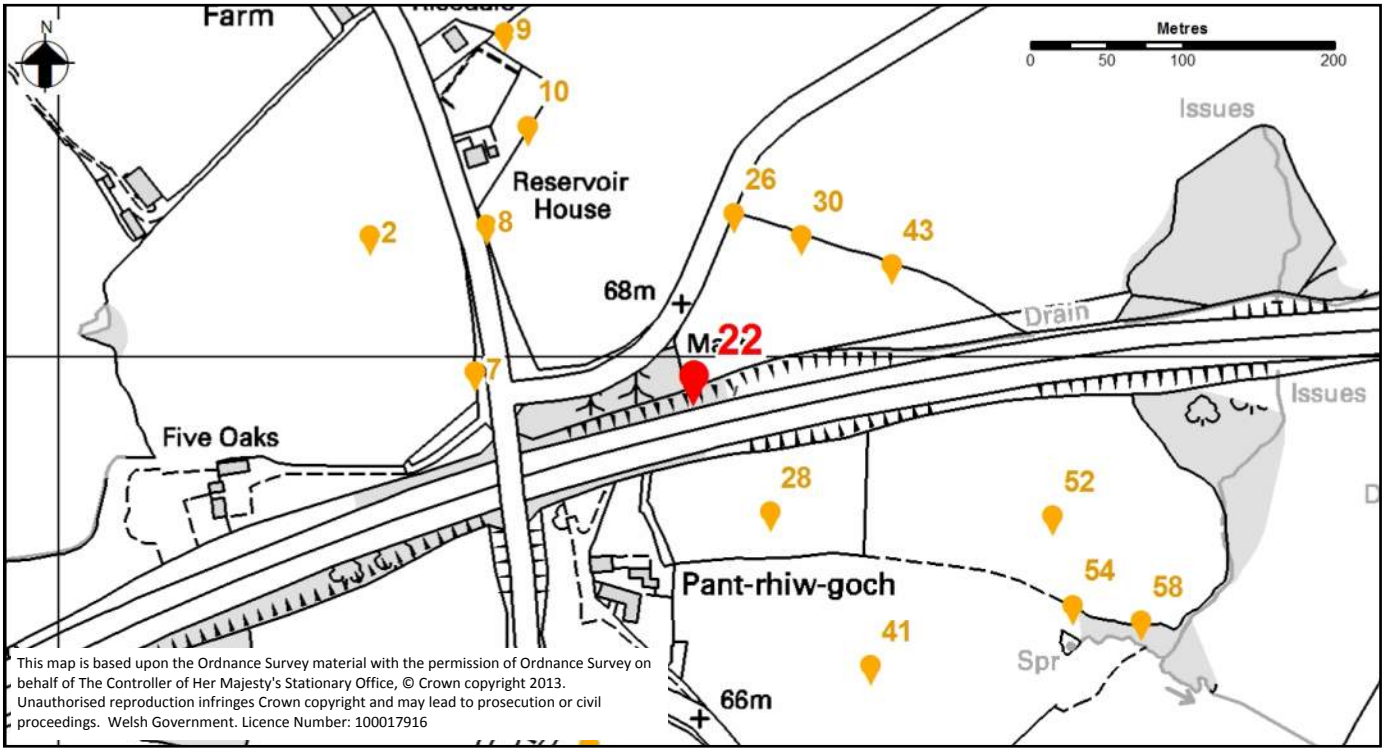

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	23	Date:	16-10-2014	GPS:	51.55, -3.09

Dominant Habitats:

Pine woodland, arable fields, scrub, tall ruderal

Potential for Protected Species:

Reptiles

Target Note:

Big pile of pebbles/ small rocks, possible refugia

Target Note Location Map:

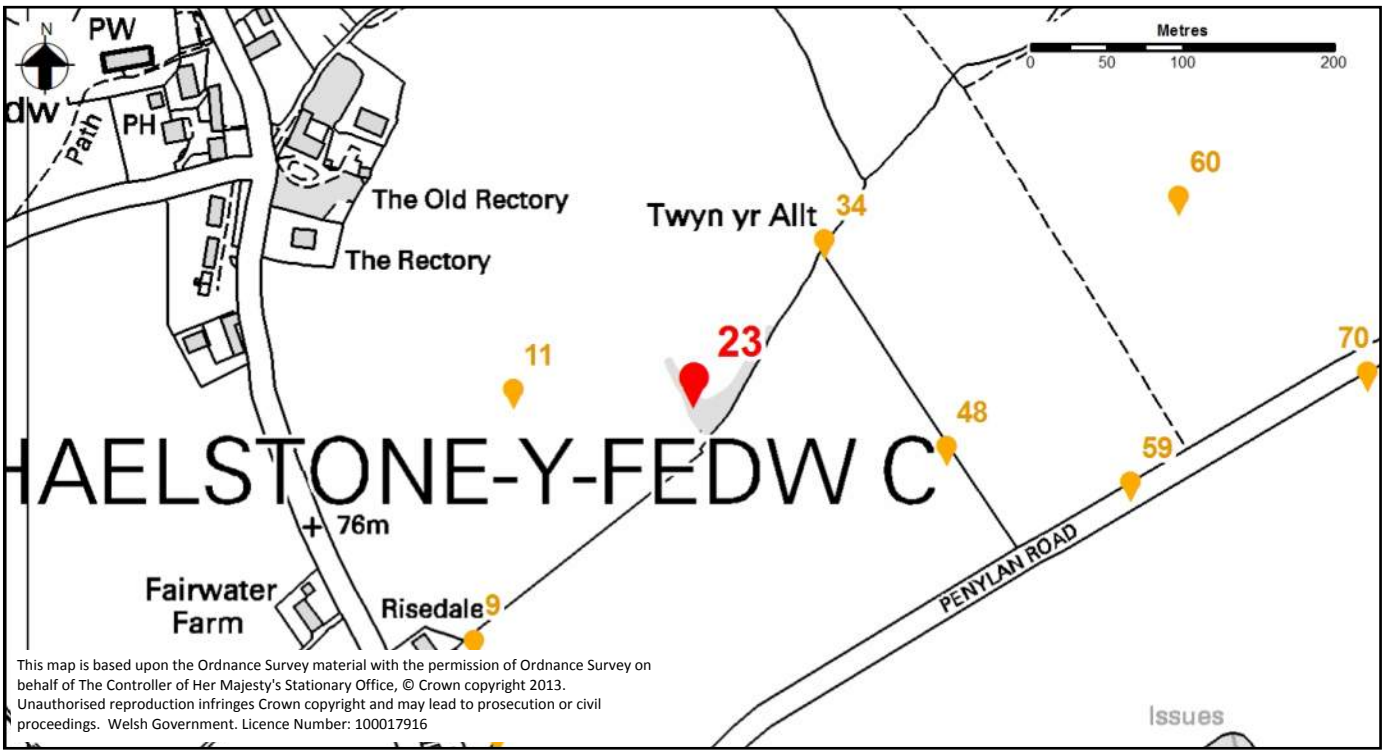

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	24	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Hedge bindweed, silverweed, bracken, thistle, ribwort plantain, hogweed, meadow buttercup

Potential for Protected Species:

Target Note Location Map:

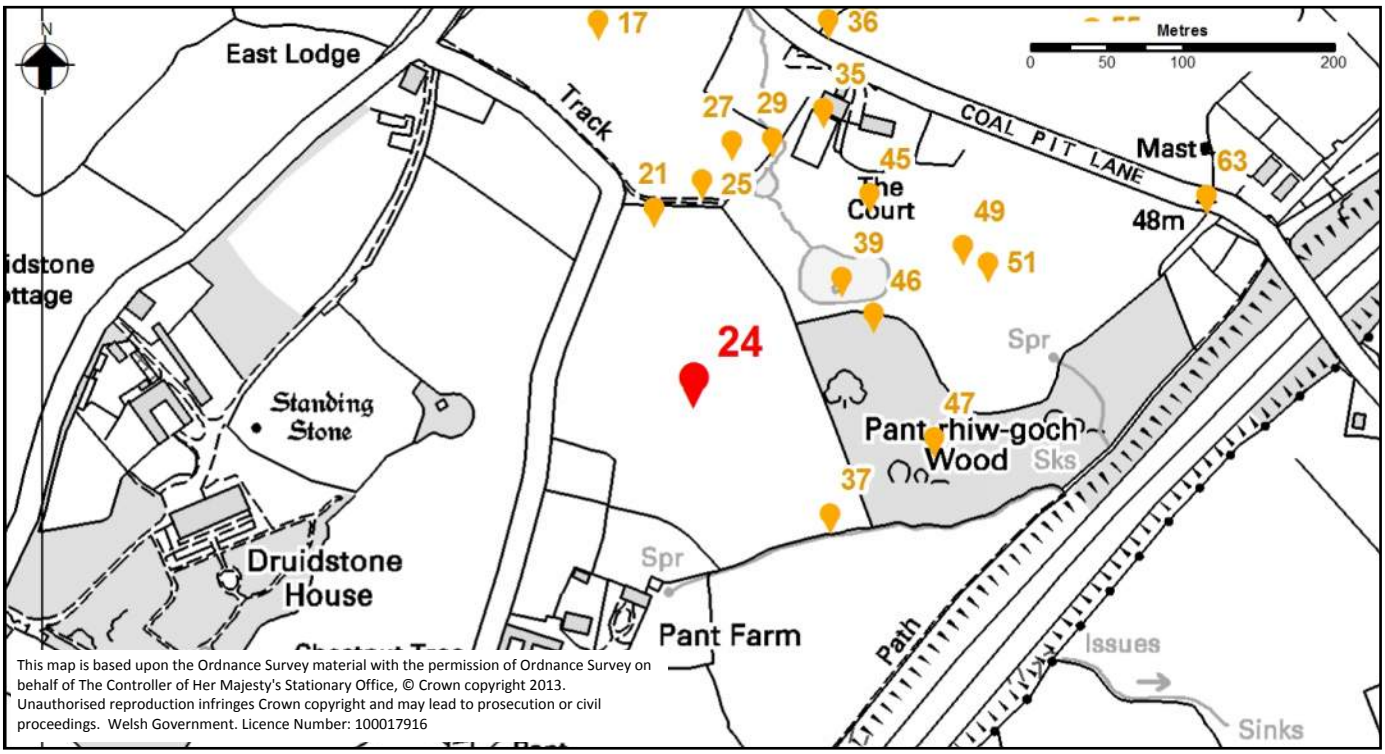

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	25	Date:	23-07-2014	GPS:	51.55, -3.09

Dominant Habitats:

Hardstanding

Potential for Protected Species:

Reptiles and breeding birds

Target Note:

Refugia piles of debris

Target Note Location Map:

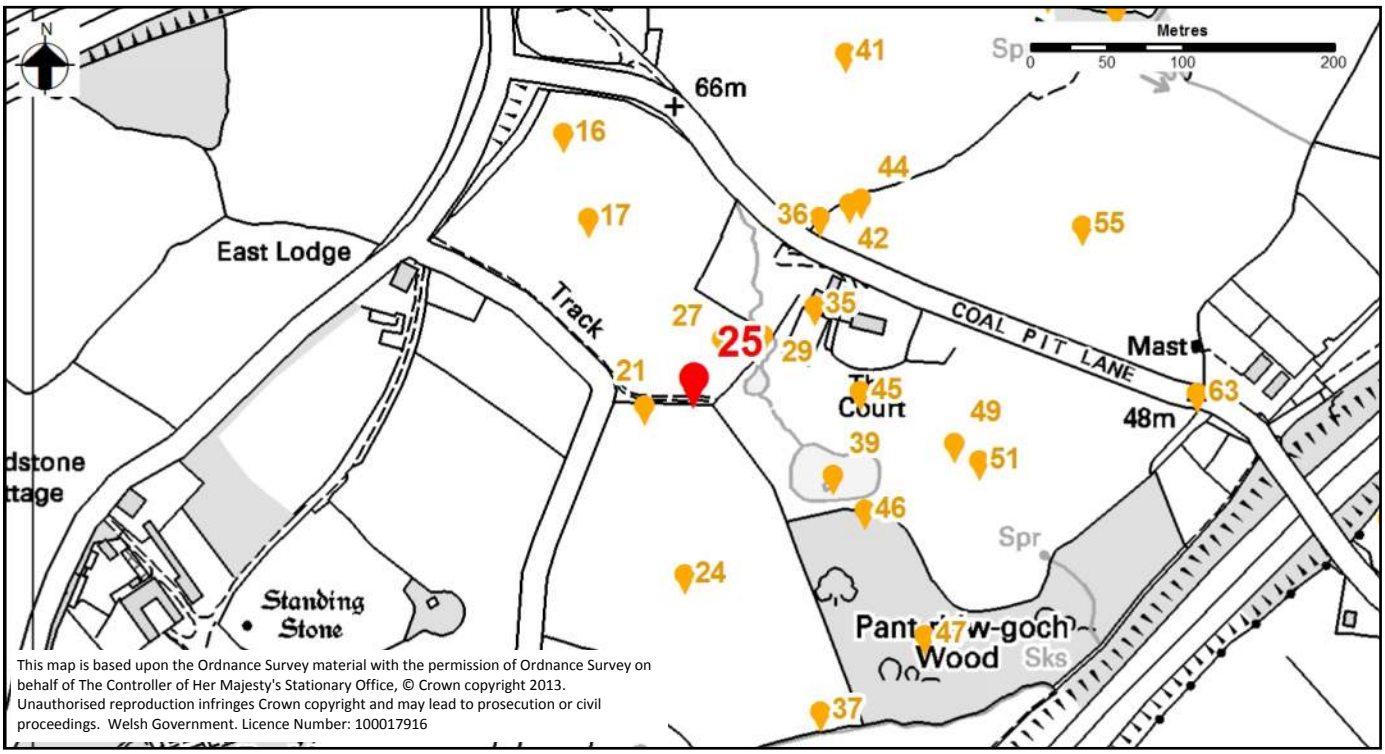

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	26	Date:	11-06-2014 10:37	GPS:	51.55, -3.09

Dominant Habitats:

Tall ruderal

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

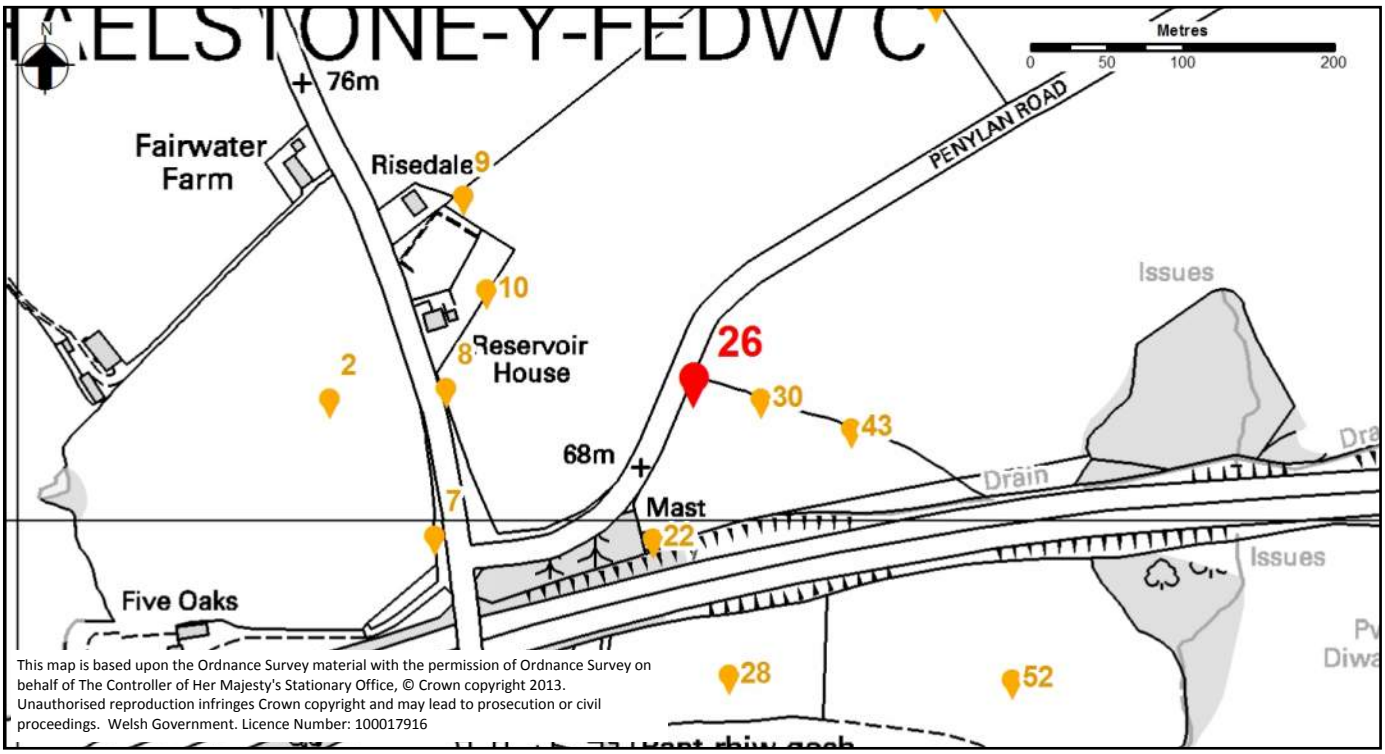

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	27	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Mixture of bare ground, pathways, carpark, tennis court.

Potential for Protected Species:

Target Note Location Map:

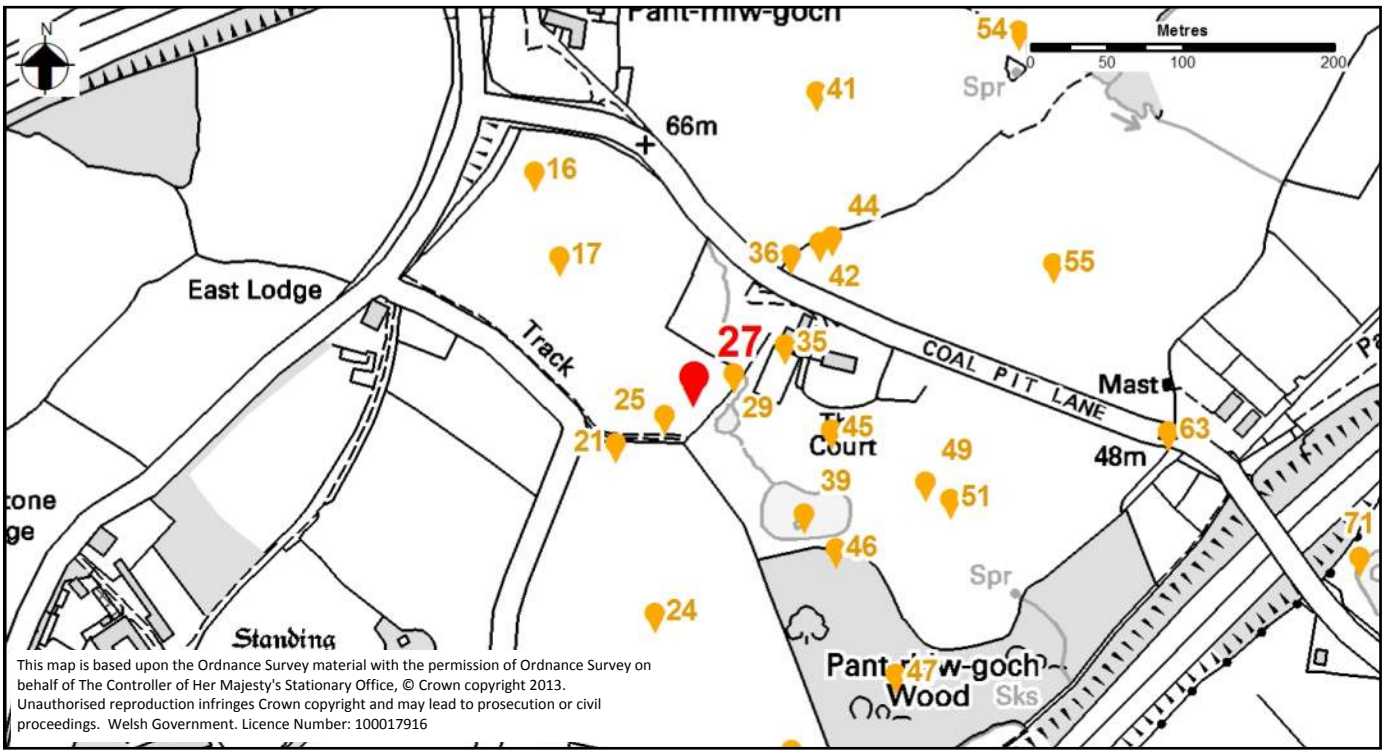

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	28	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Buttercup, Yorkshire fog, white clover, ragwort

Potential for Protected Species:

Target Note Location Map:

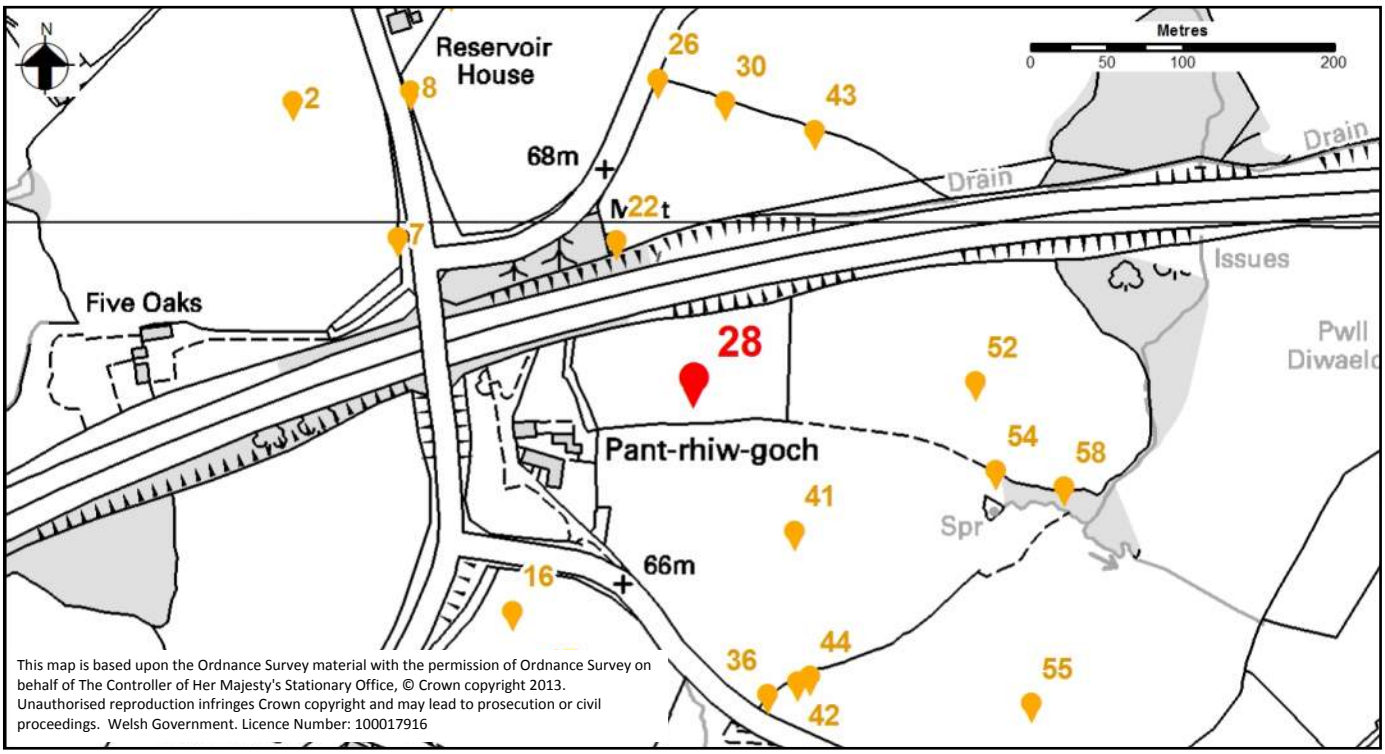

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	29	Date:	23-07-2014	GPS:	51.55, -3.09

Dominant Habitats:

Tall ruderal

Potential for Protected Species:

Reptiles

Target Note:

Patch of nettle and small amount bracken and herb robert adjacent to compost heap

Target Note Location Map:

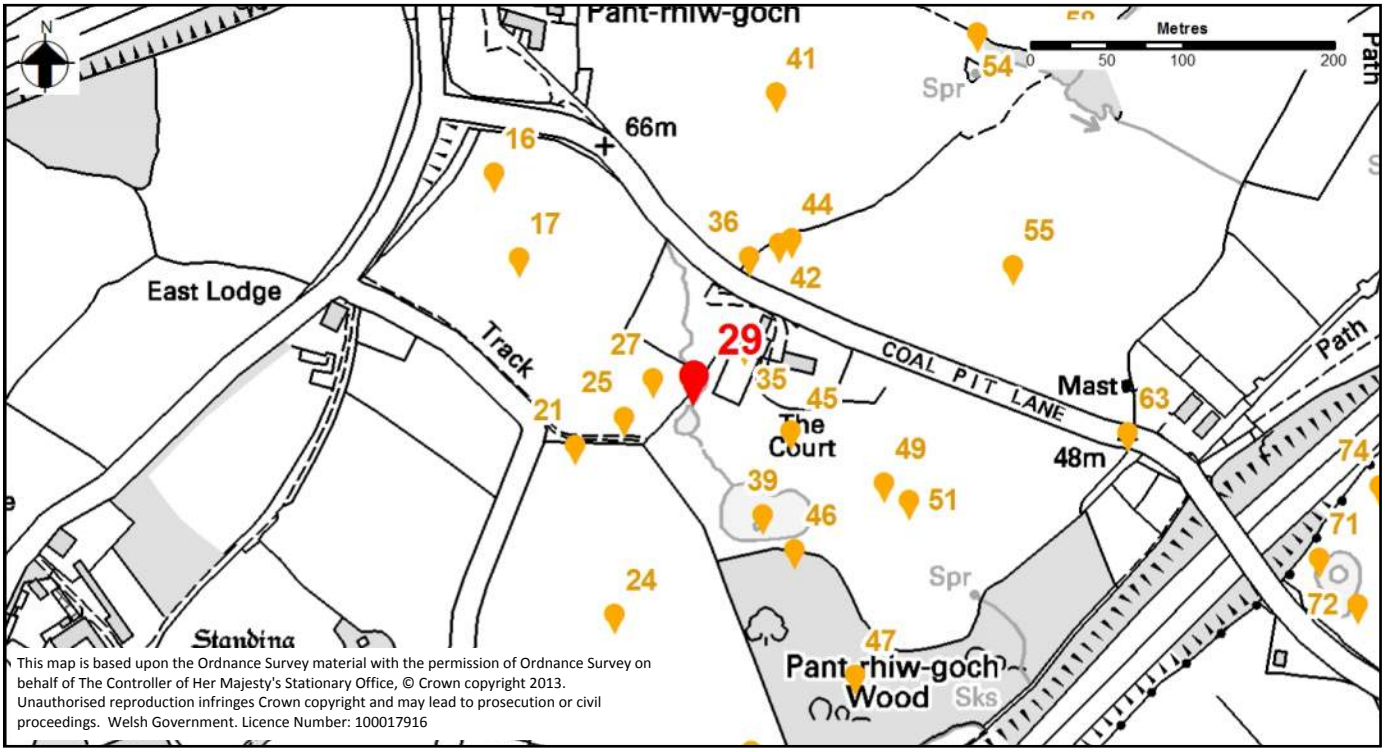

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	30	Date:	11-06-2014 10:48	GPS:	51.55, -3.09

Dominant Habitats:

Tall ruderal

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

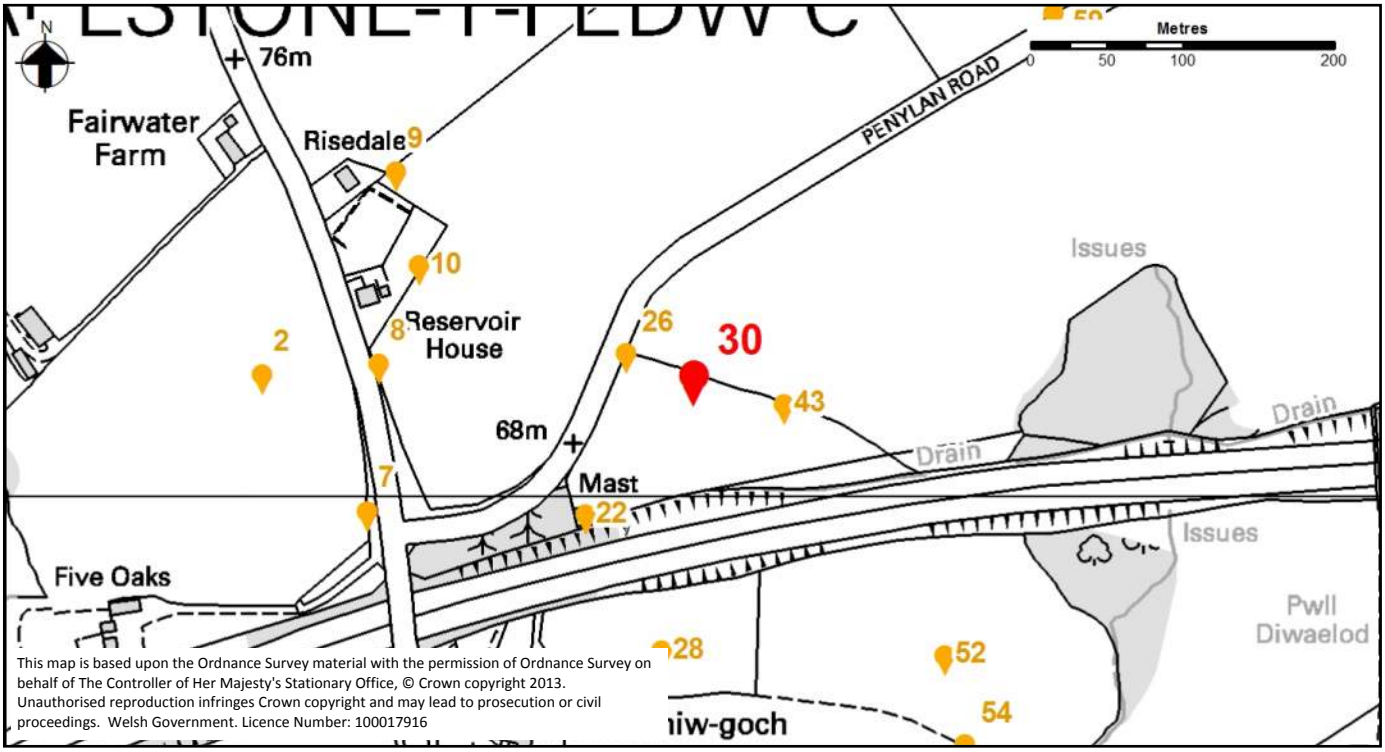

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	31	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Compost heap

Target Note Location Map:

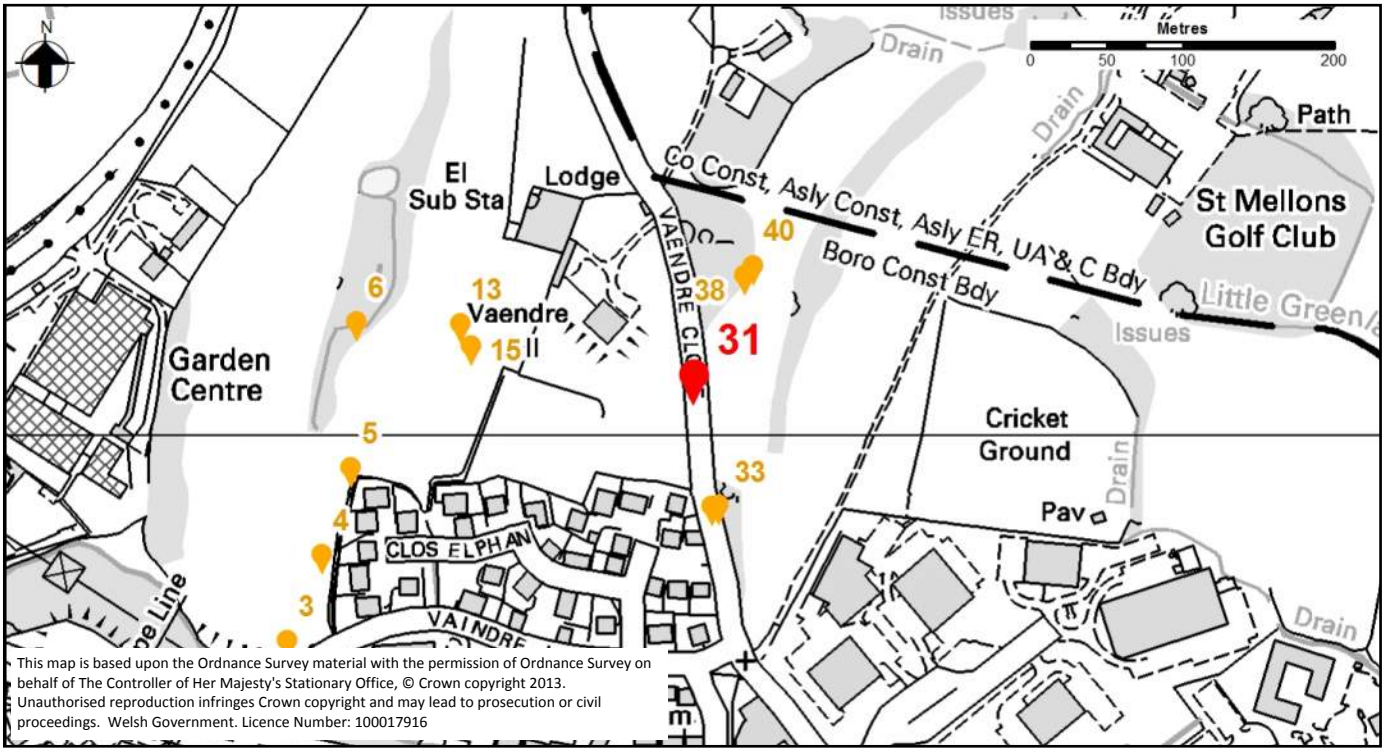

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	32	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Species-poor defunct hedge

Target Note:

Compost heap

Potential for Protected Species:

Reptiles

Target Note Location Map:

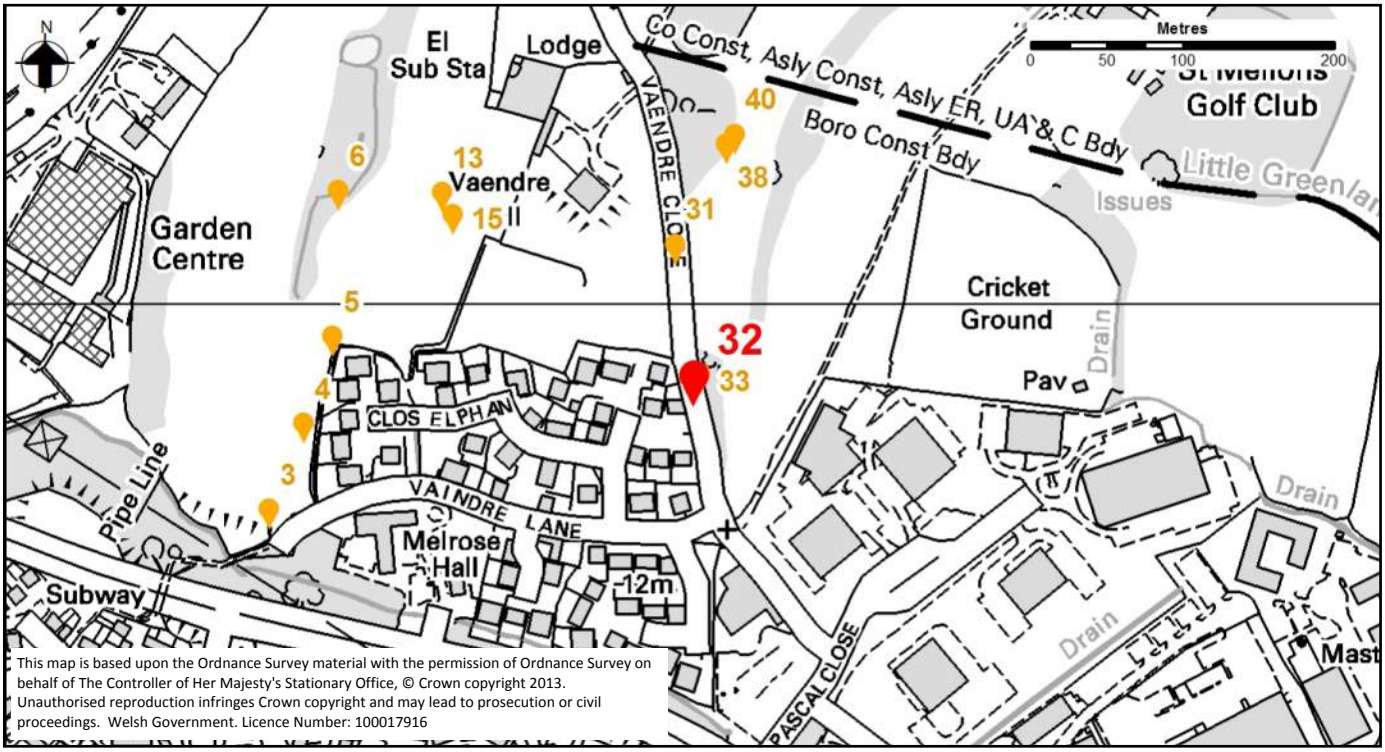

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	33	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Target Note:

Compost heap

Potential for Protected Species:

Reptiles

Target Note Location Map:

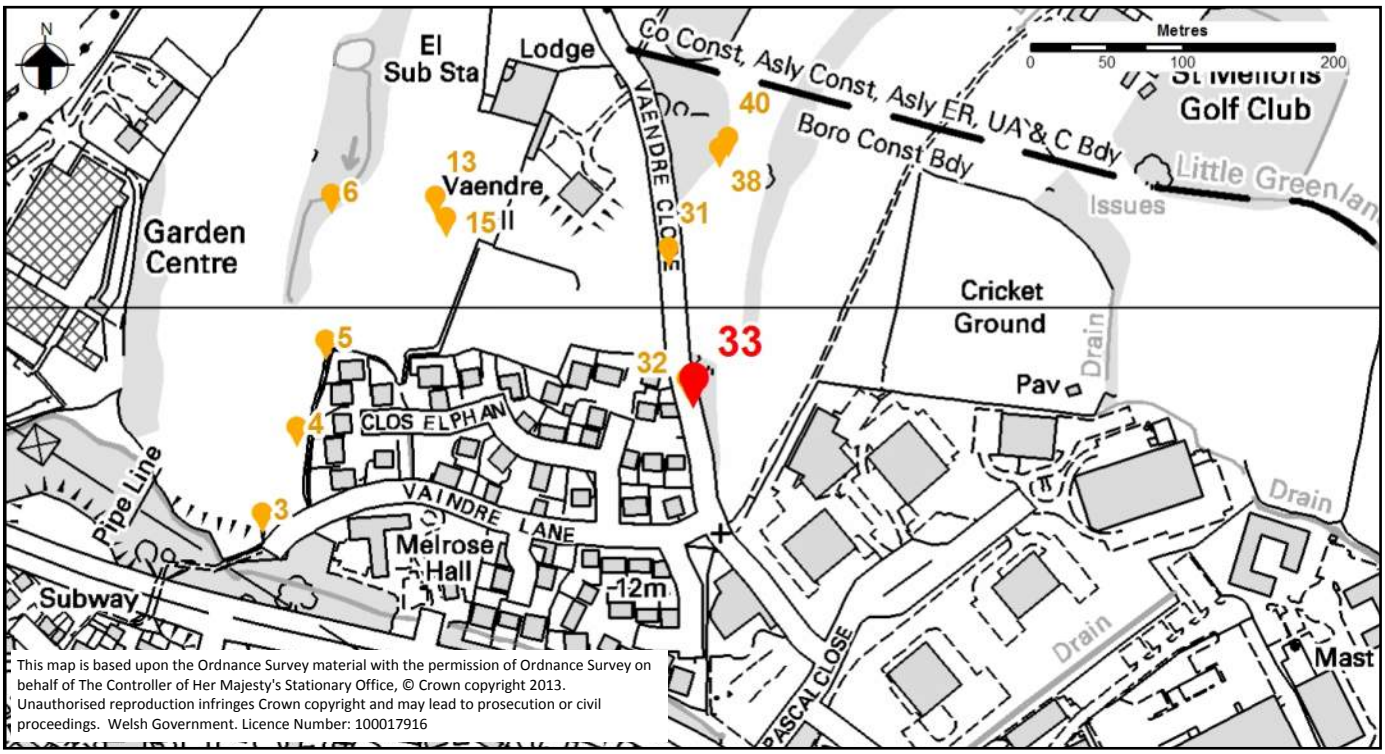

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	34	Date:	16-10-2014 15:30	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow/improved grassland

Target Note:

Mammal pathway linking one field to another

Potential for Protected Species:

Target Note Location Map:

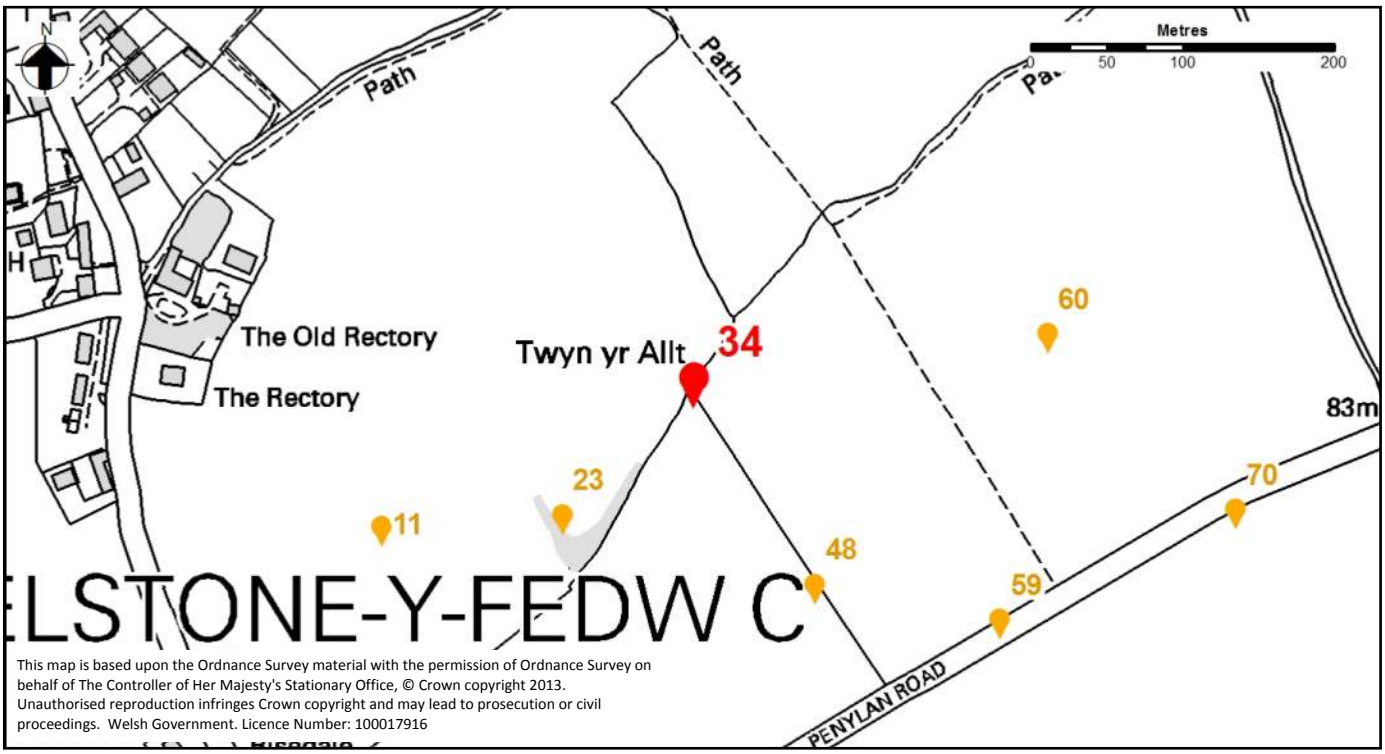

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	35	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Daisy, buttercup, white clover, meadow buttercup, scarlet pimpernel, forget me not

Potential for Protected Species:

Target Note Location Map:

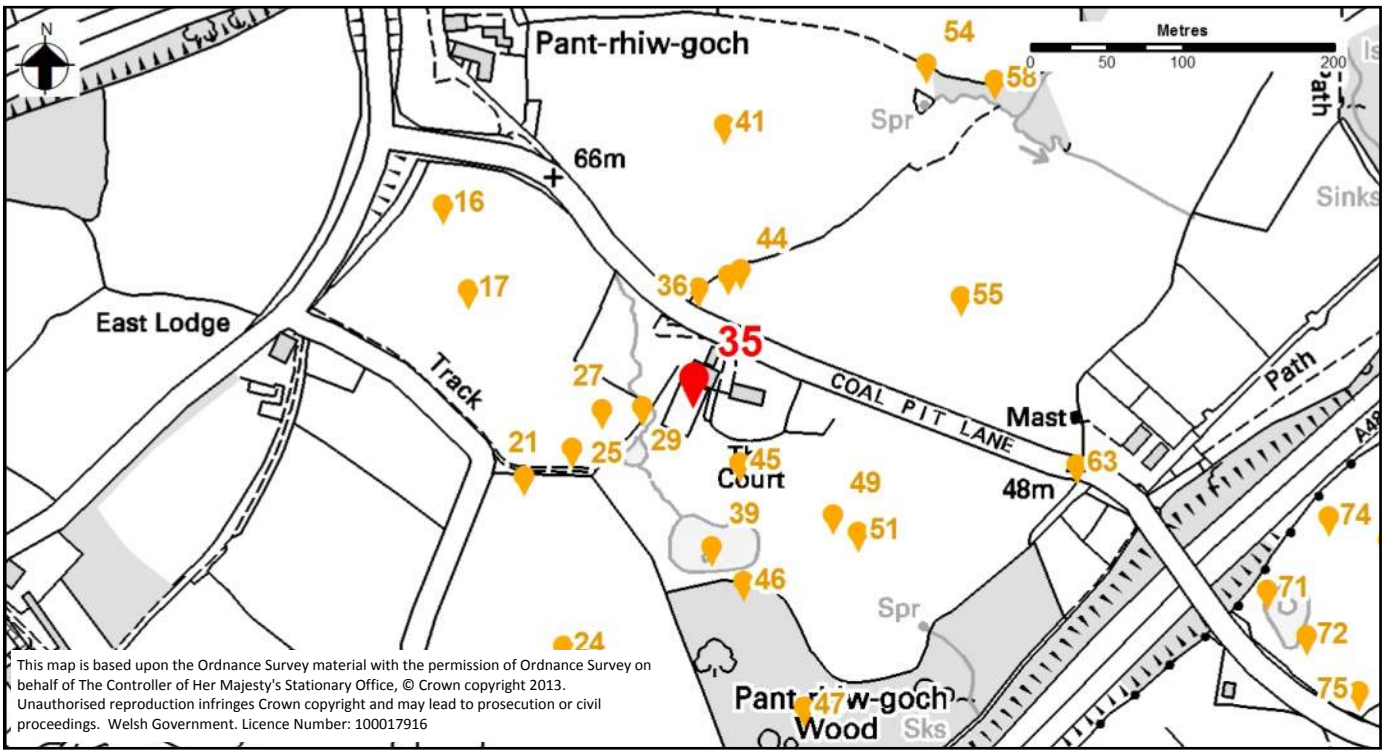

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	36	Date:	13-08-2014 14:25	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Badger

Target Note:

Possible badger pathway within hedgerow

Target Note Location Map:

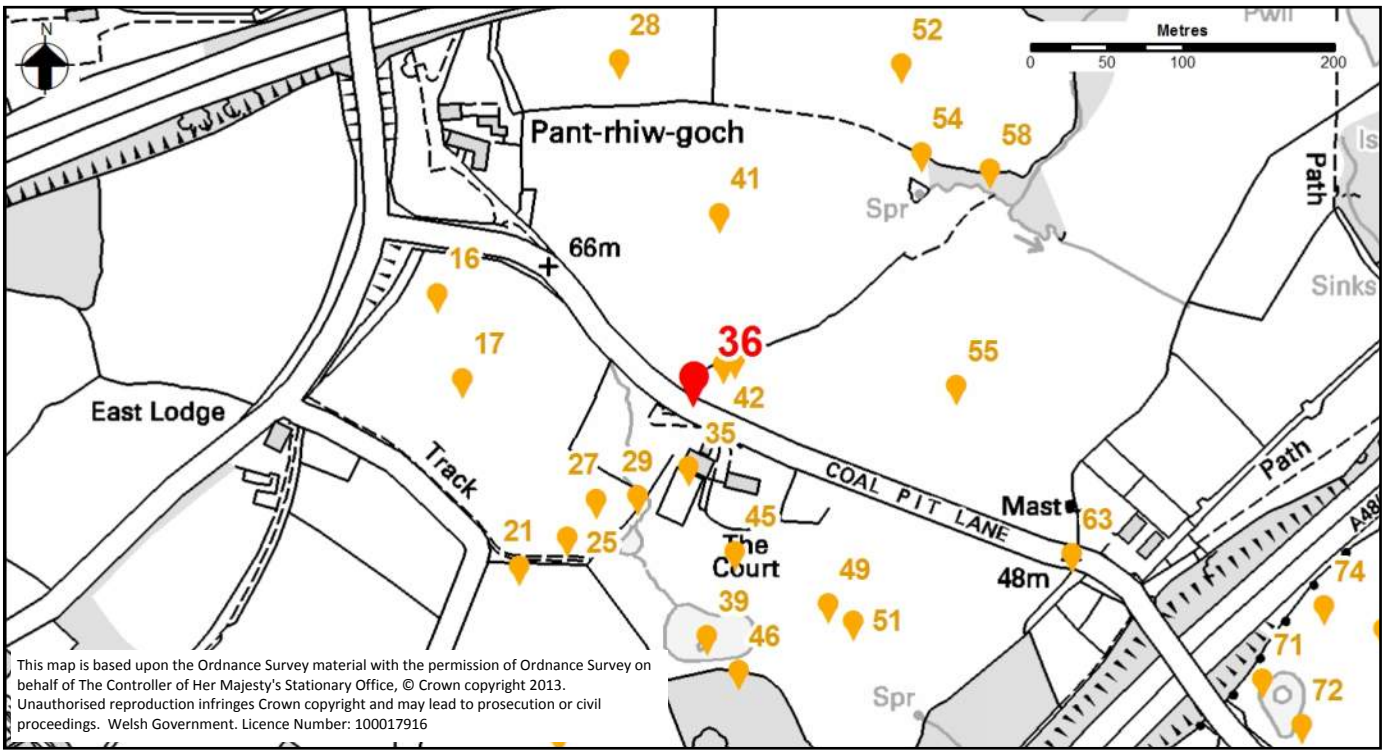

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	37	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Juncus sp., kidney vetch, great willowherb, sheep sorrel, thistle sp.
Common blue, black veined white.

Potential for Protected Species:

Target Note Location Map:

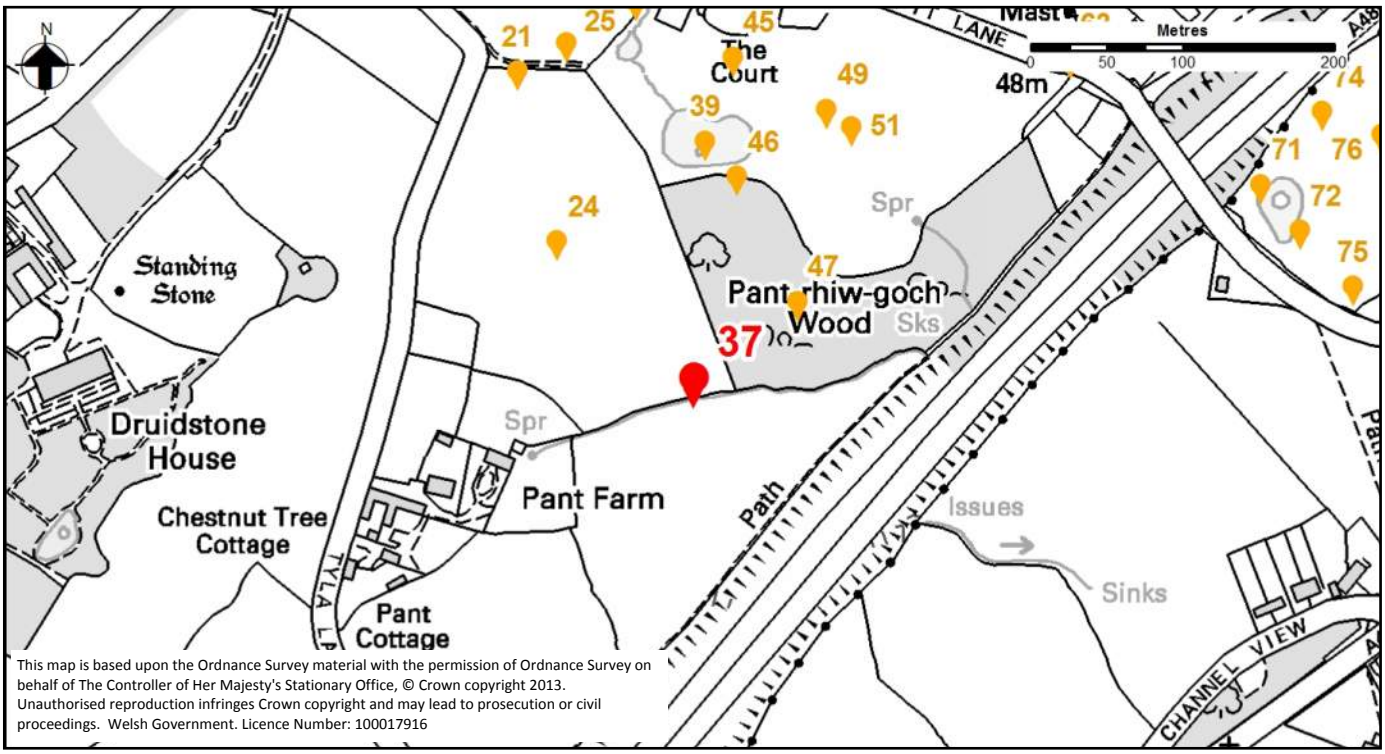

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	38	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Target Note:

Compost heap

Potential for Protected Species:

Reptiles

Target Note Location Map:

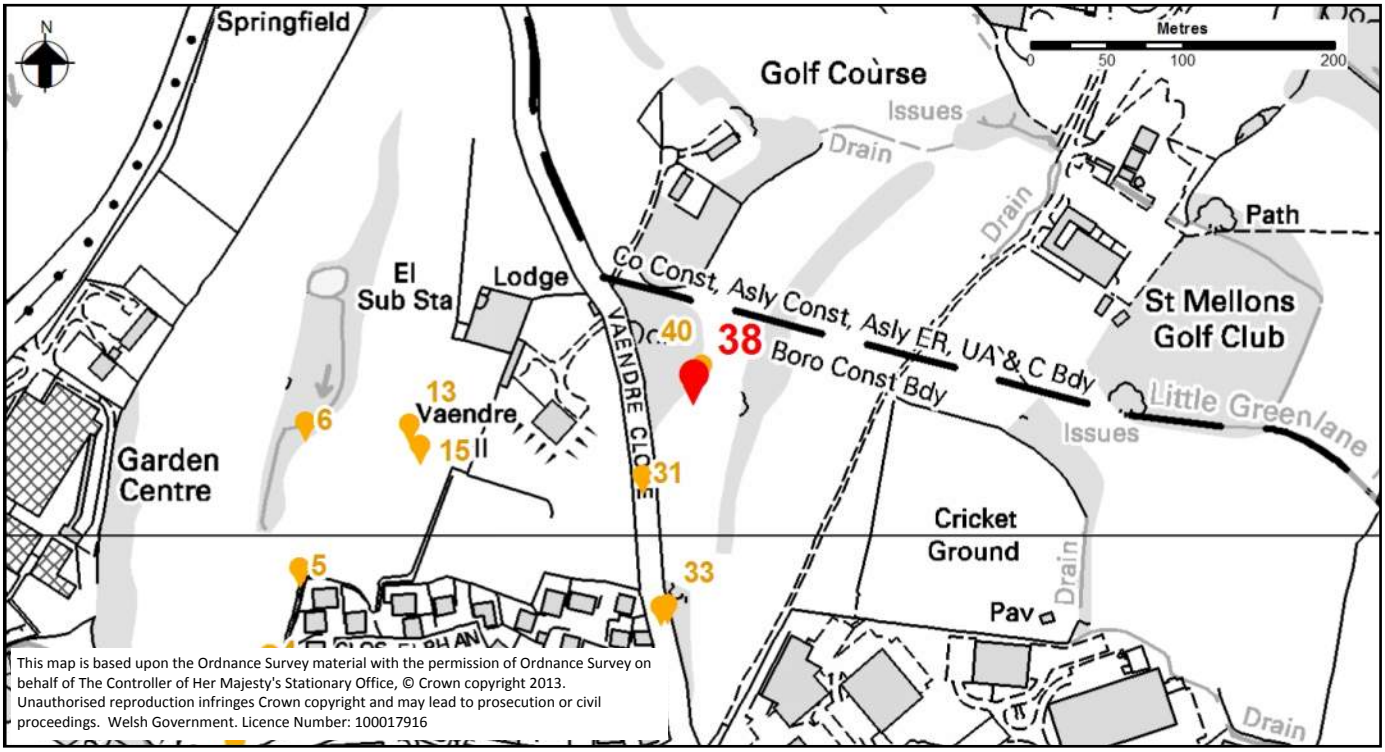

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	39	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Water lily, bulrush, great willowherb, broad leaved dock, cleavers, conifer, buddleia.

Potential for Protected Species:

Target Note Location Map:

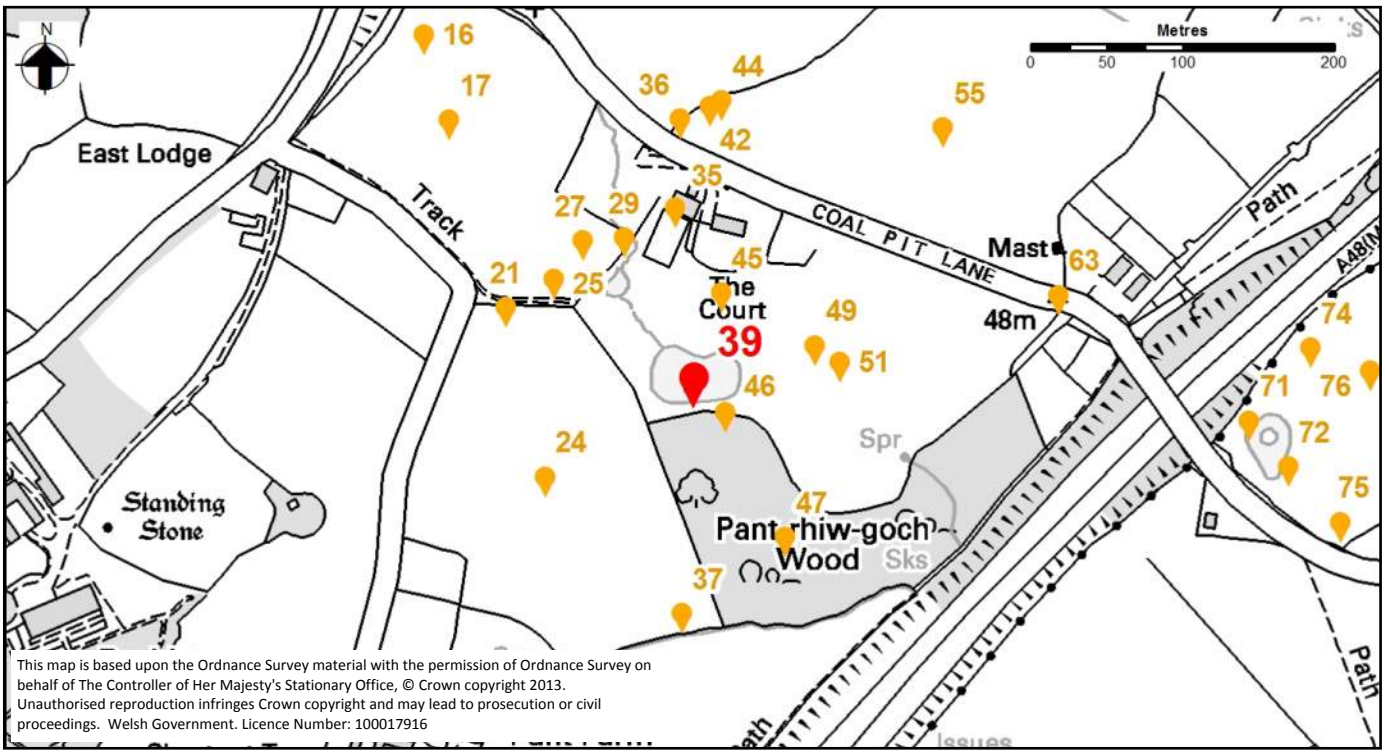

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	40	Date:	17-09-2014	GPS:	51.53, -3.09

Dominant Habitats:

Disturbed/cultivated amenity grassland

Target Note:

Japanese knotweed

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

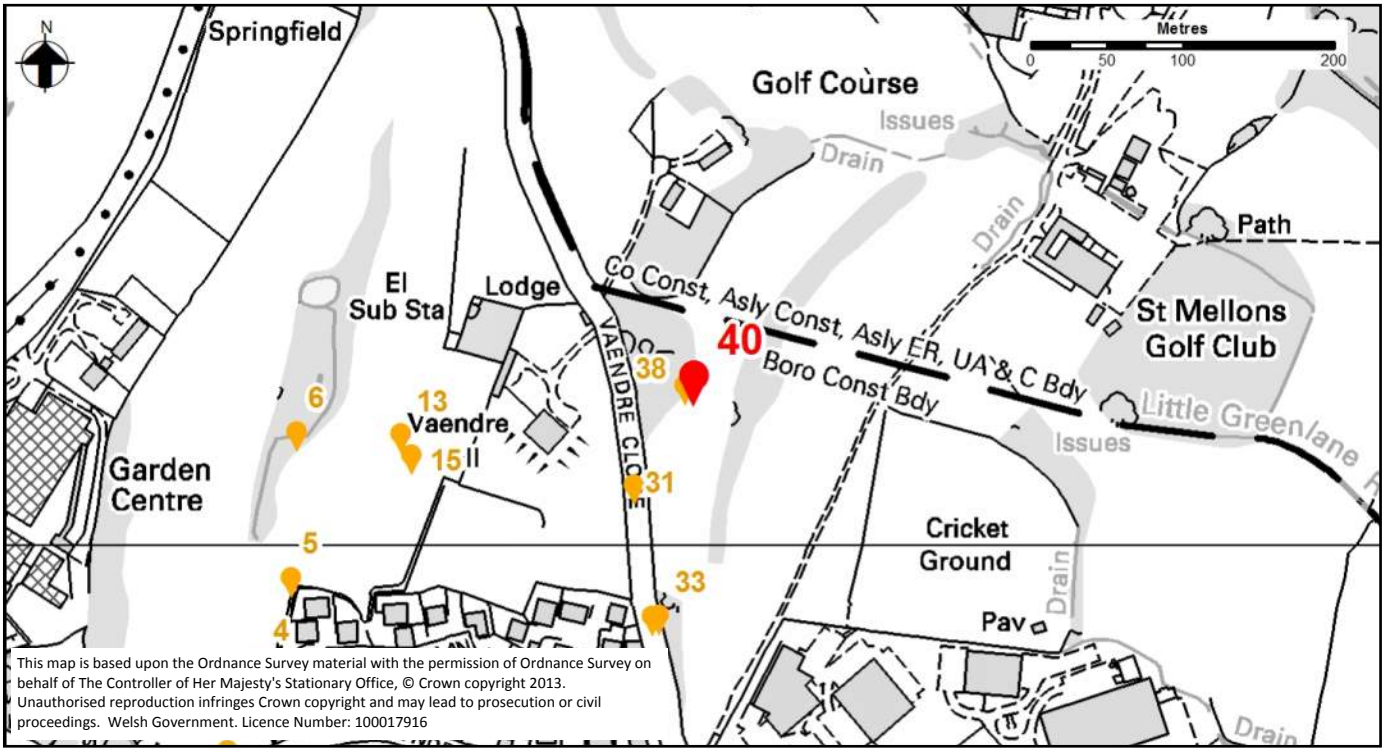

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	41	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

White clover, red clover, creeping buttercup, hawksbit sp., dandelion sp., greater plantain

Potential for Protected Species:

Target Note Location Map:

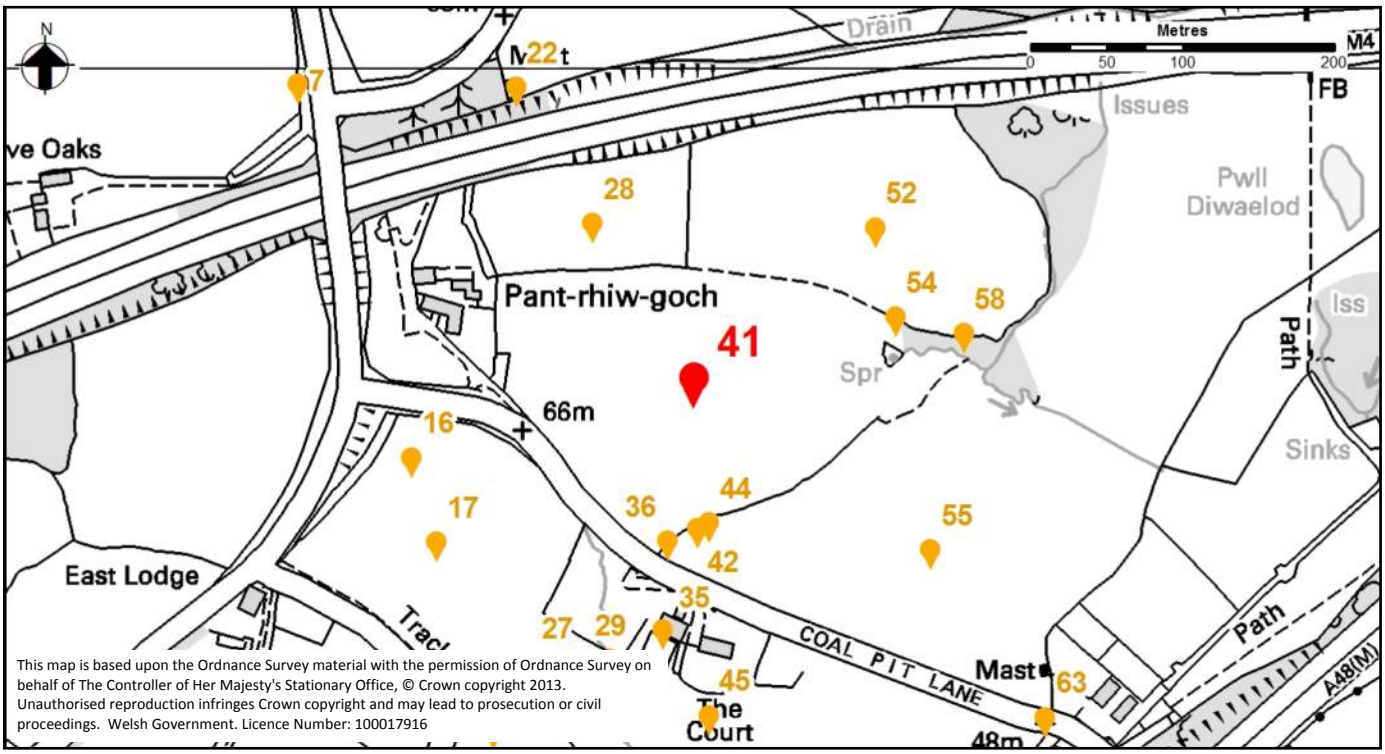

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	42	Date:	13-08-2014 14:28	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow/field boundary

Target Note:

Mammal pathway and snuffling signs

Potential for Protected Species:

Target Note Location Map:

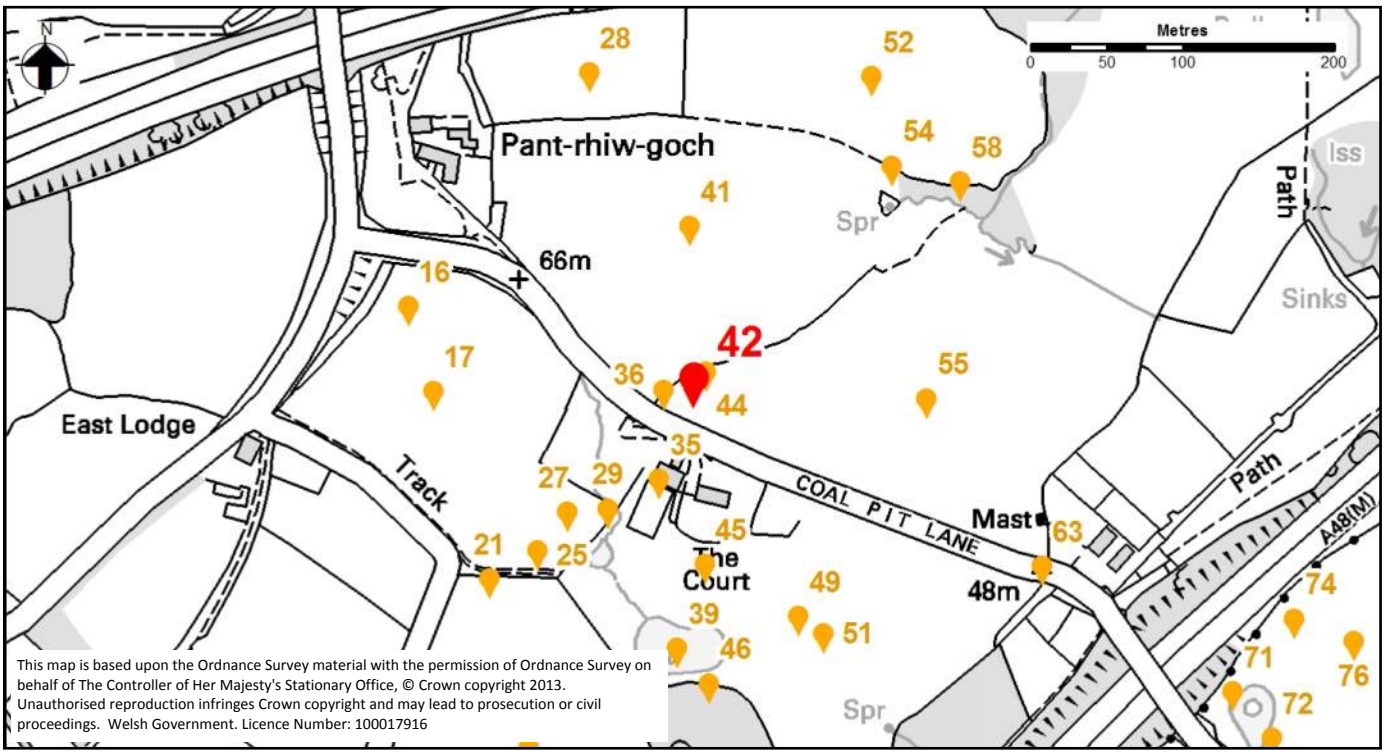

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	43	Date:	11-06-2014 10:51	GPS:	51.55, -3.09

Dominant Habitats:

Tall ruderal/scrub

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

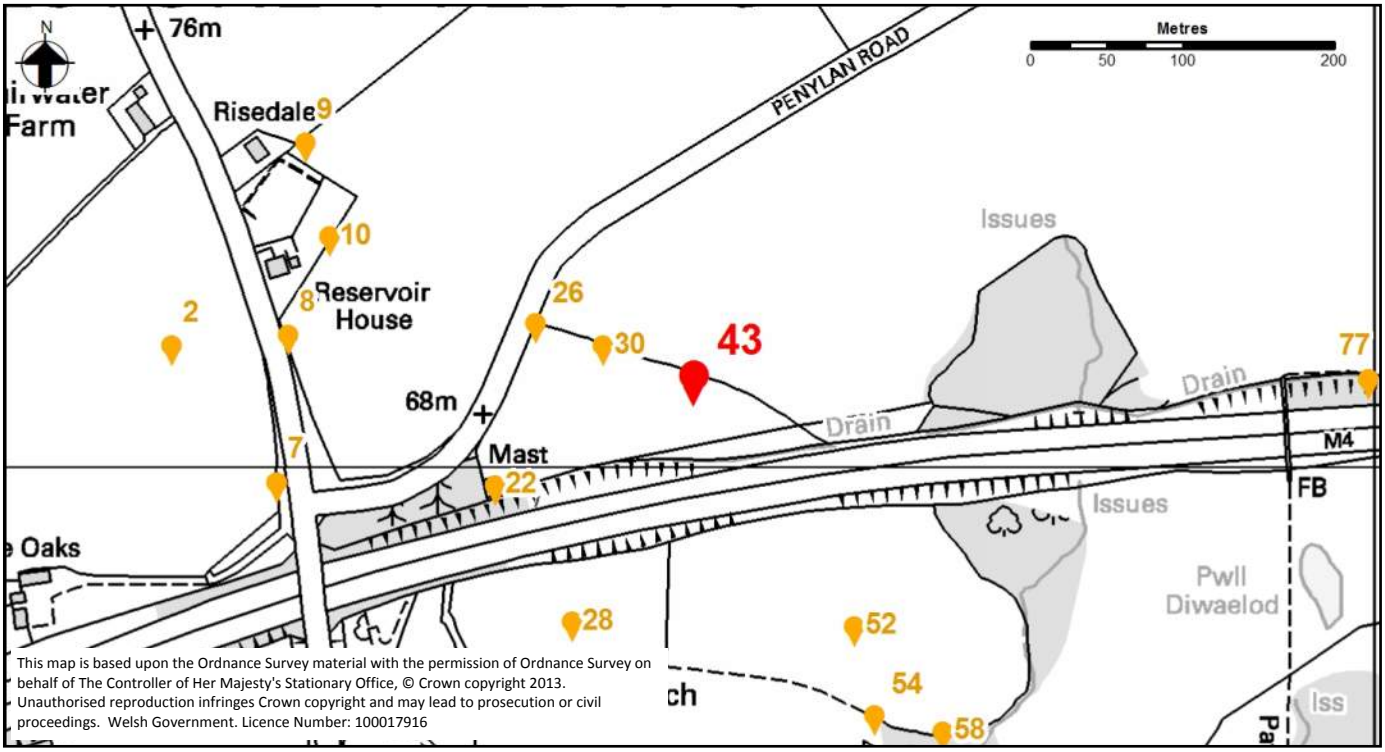

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	44	Date:	13-08-2014 14:34	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow

Target Note:

Mammal path along and under fence/hedge

Potential for Protected Species:

Target Note Location Map:

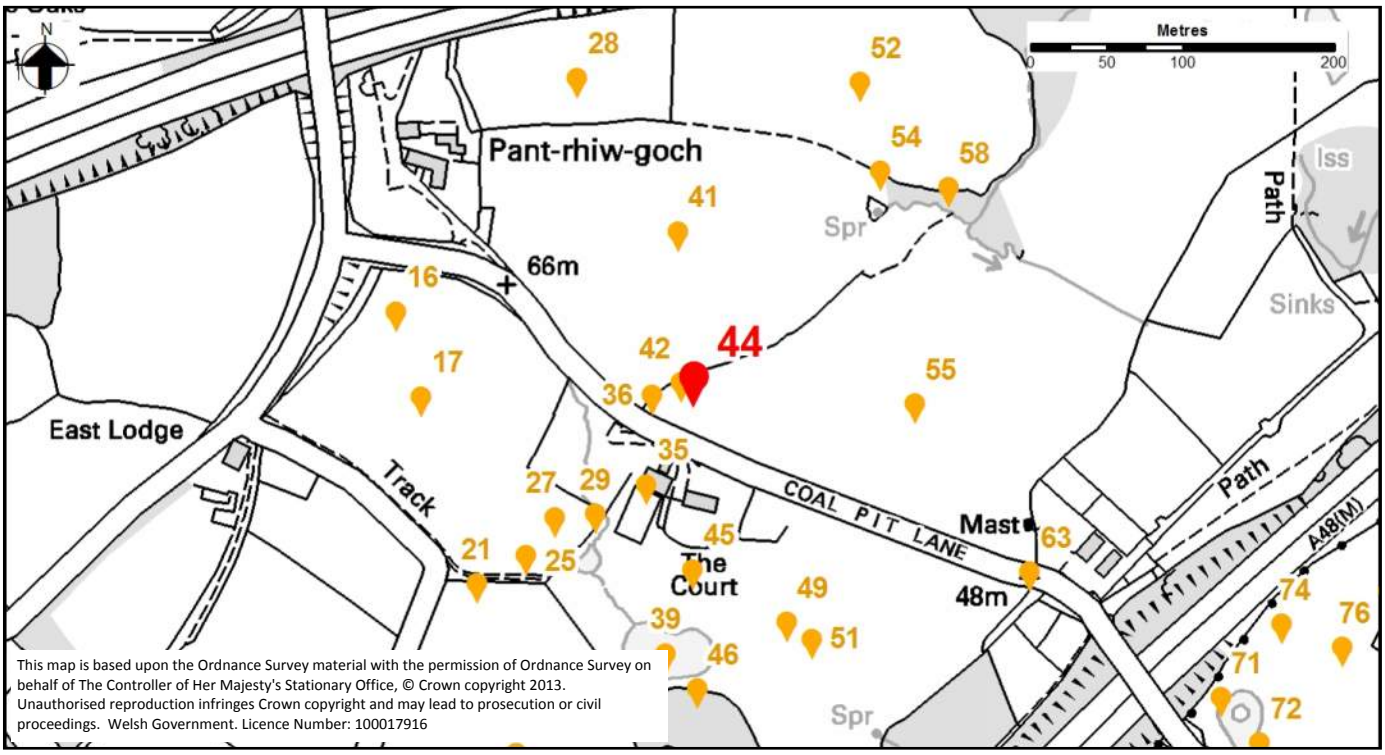

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	45	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Daisy, buttercup, white clover, meadow buttercup, scarlet pimpernel, common nettle patch

Potential for Protected Species:

Target Note Location Map:

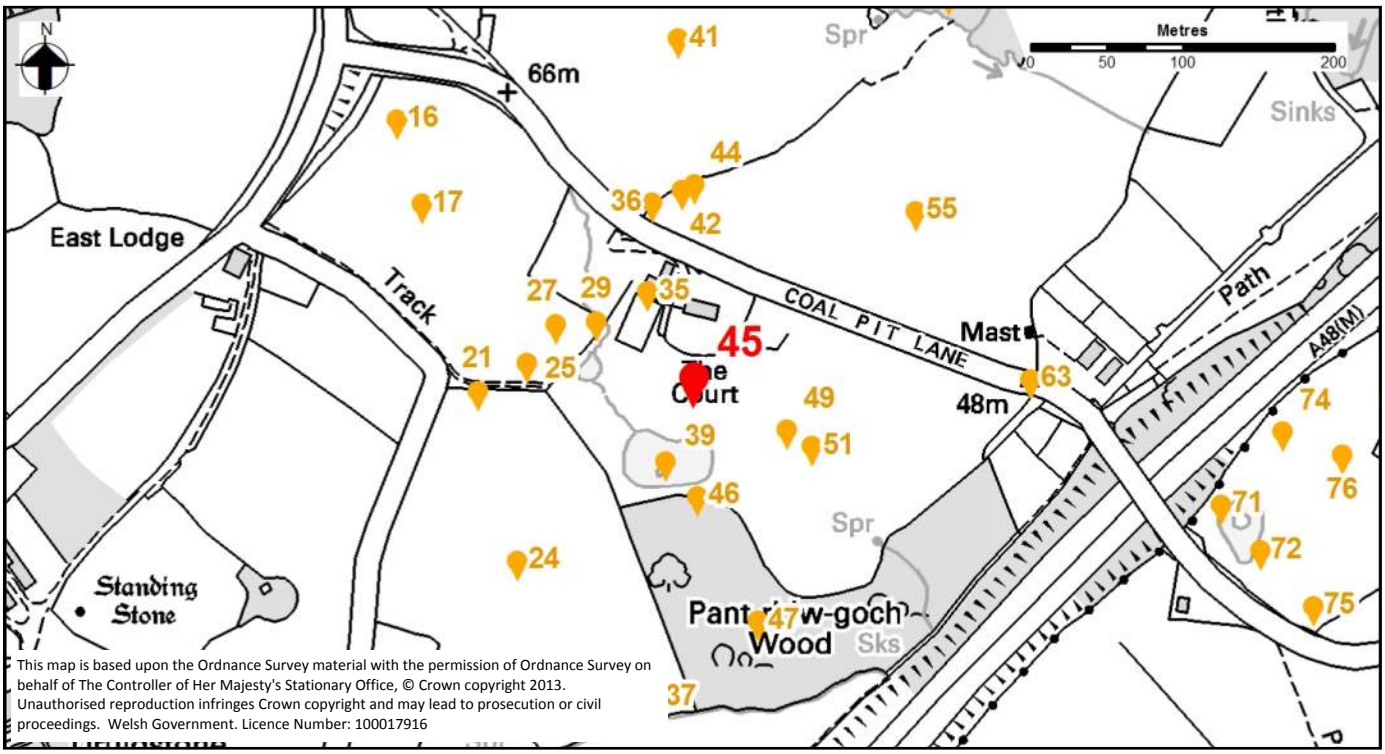

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	46	Date:	23-07-2014	GPS:	51.55, -3.09

Dominant Habitats:

Deciduous woodland edge margin

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note:

Himalayan balsam

Target Note Location Map:

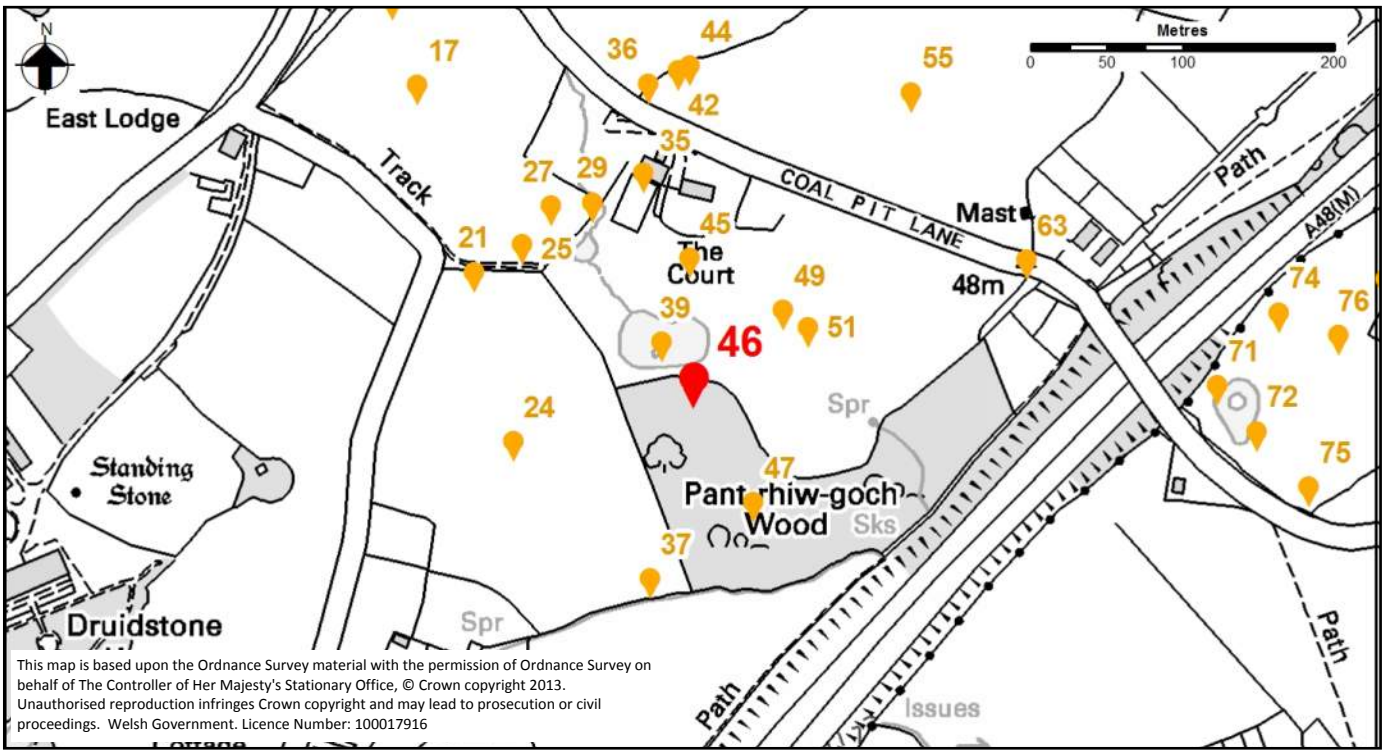

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	47	Date:	23-07-2014	GPS:	51.54, -3.09

Dominant Habitats:

Deciduous woodland

Potential for Protected Species:

Dormice

Target Note:

Good variety of year round food and cover for dormice

Target Note Location Map:

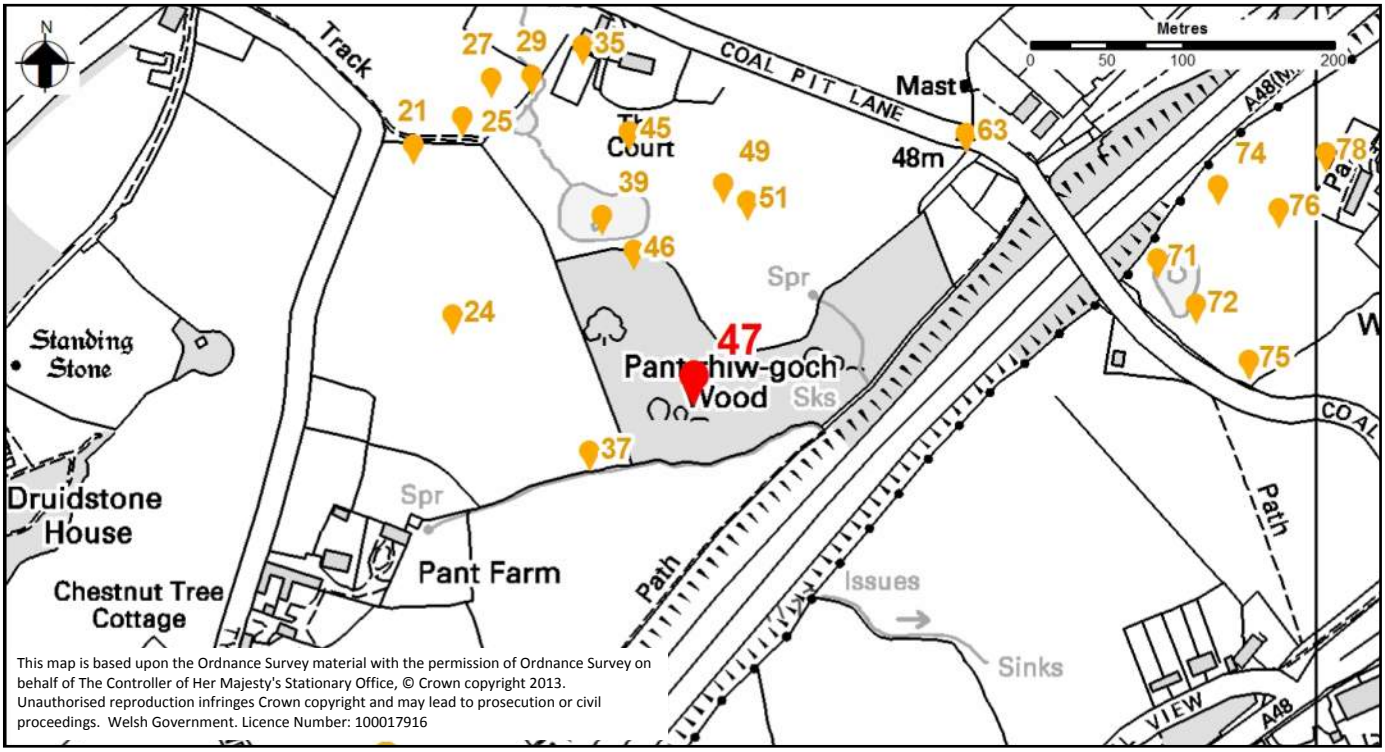

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	48	Date:	30-09-2014 11:24	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Badger

Target Note:

Possible badger pathway through hedge. No additional supporting evidence.

Target Note Location Map:

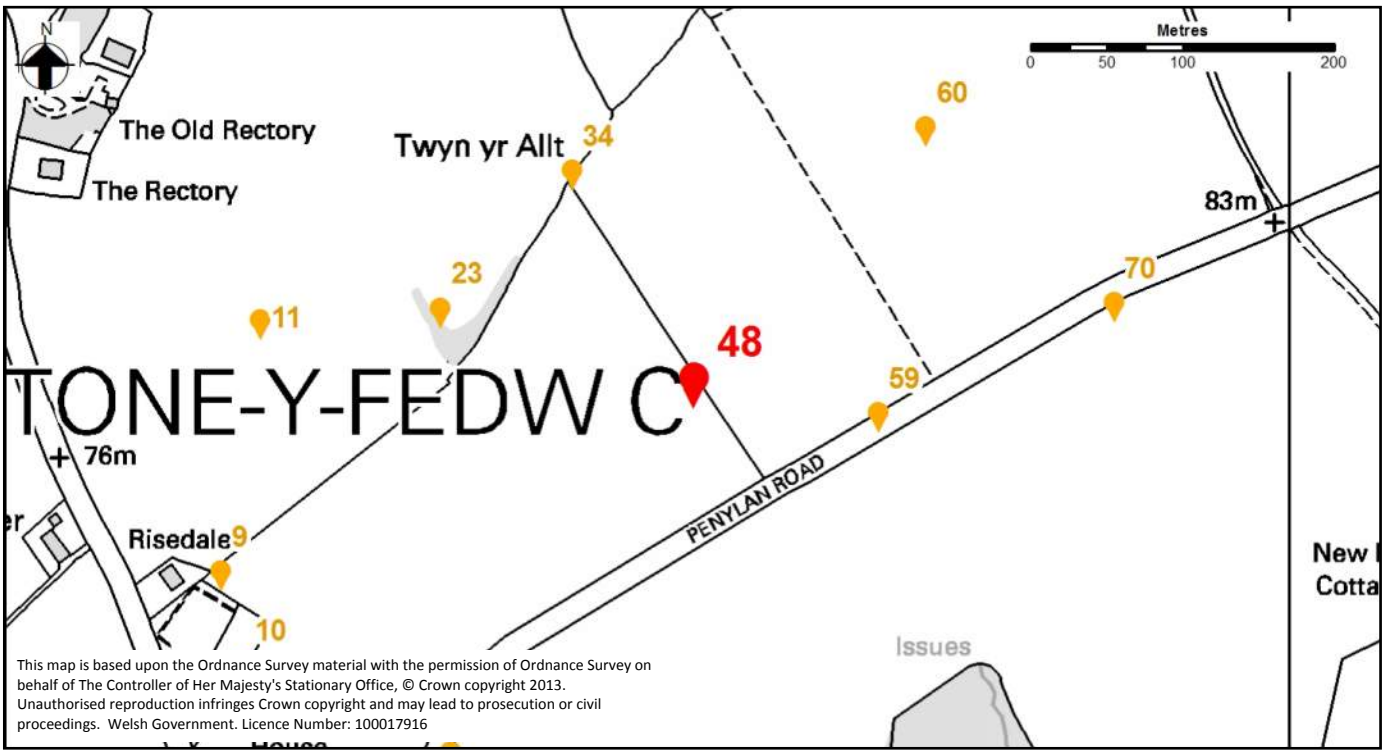

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	49	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Daisy, buttercup, white clover, meadow buttercup, scarlet pimpernel, nettle patch

Potential for Protected Species:

Target Note Location Map:

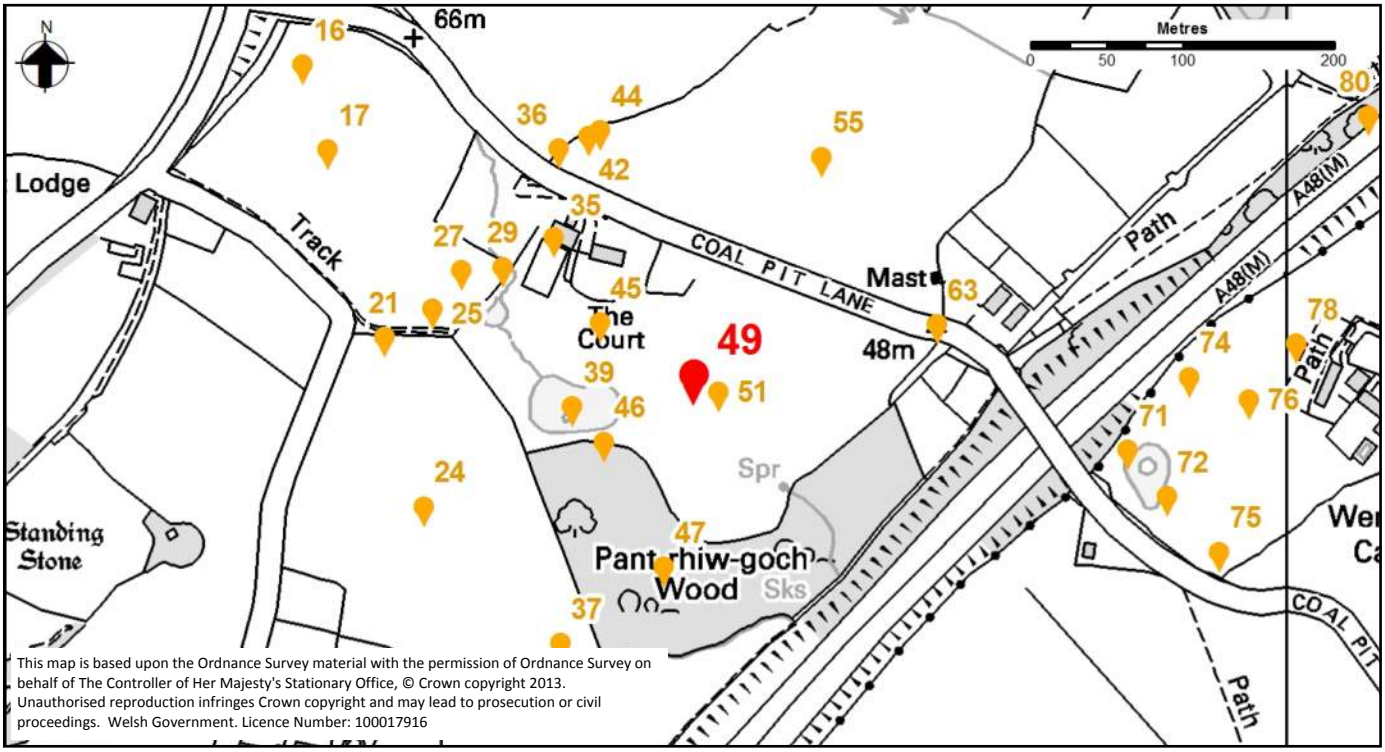

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	50	Date:	17-09-2014	GPS:	51.54, -3.09

Dominant Habitats:

Woodland, amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Compost heaps (grass cuttings)

Target Note Location Map:

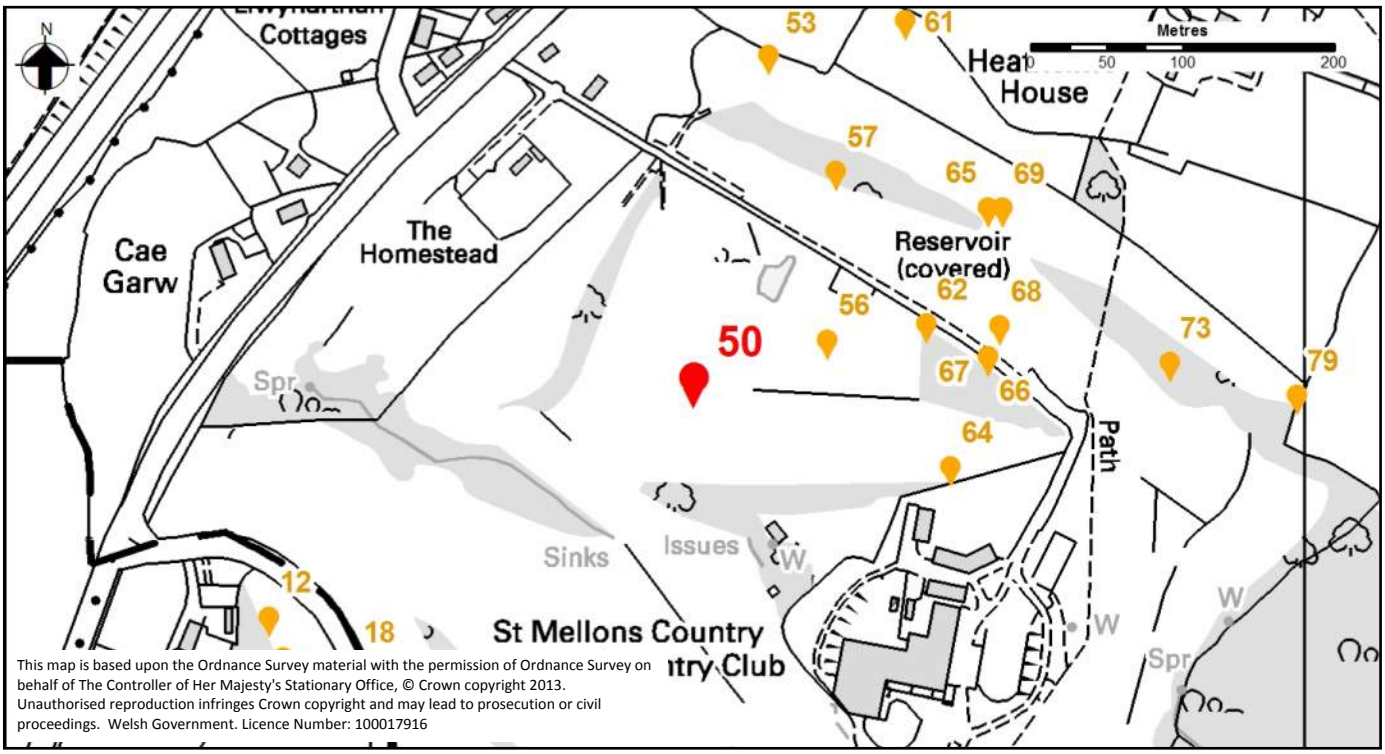

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	51	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Daisy, buttercup, white clover, meadow buttercup, scarlet pimpernel, nettle

Potential for Protected Species:

Target Note Location Map:

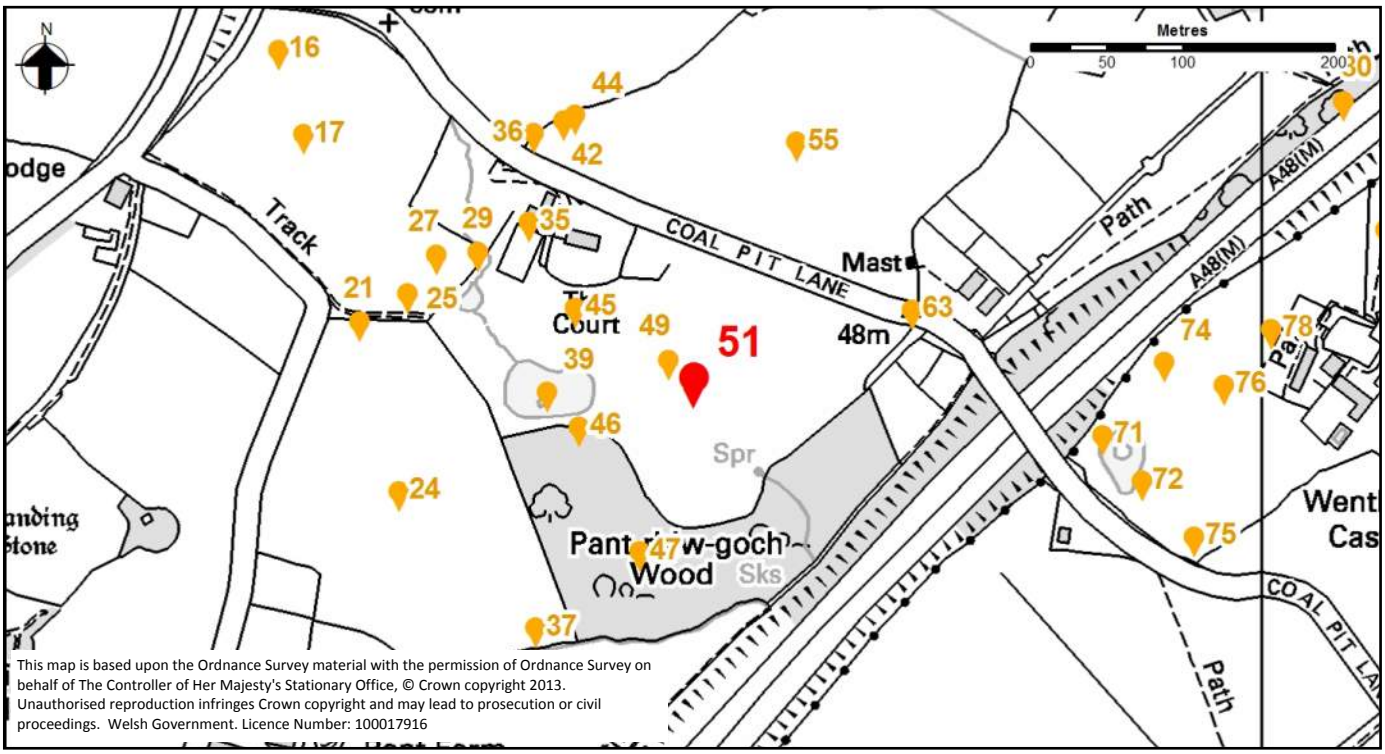

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	52	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Narrow leaved dock, thistle sp., ragwort, perennial ryegrass, nettle, Yorkshire fog, cock's foot

Potential for Protected Species:

Target Note Location Map:

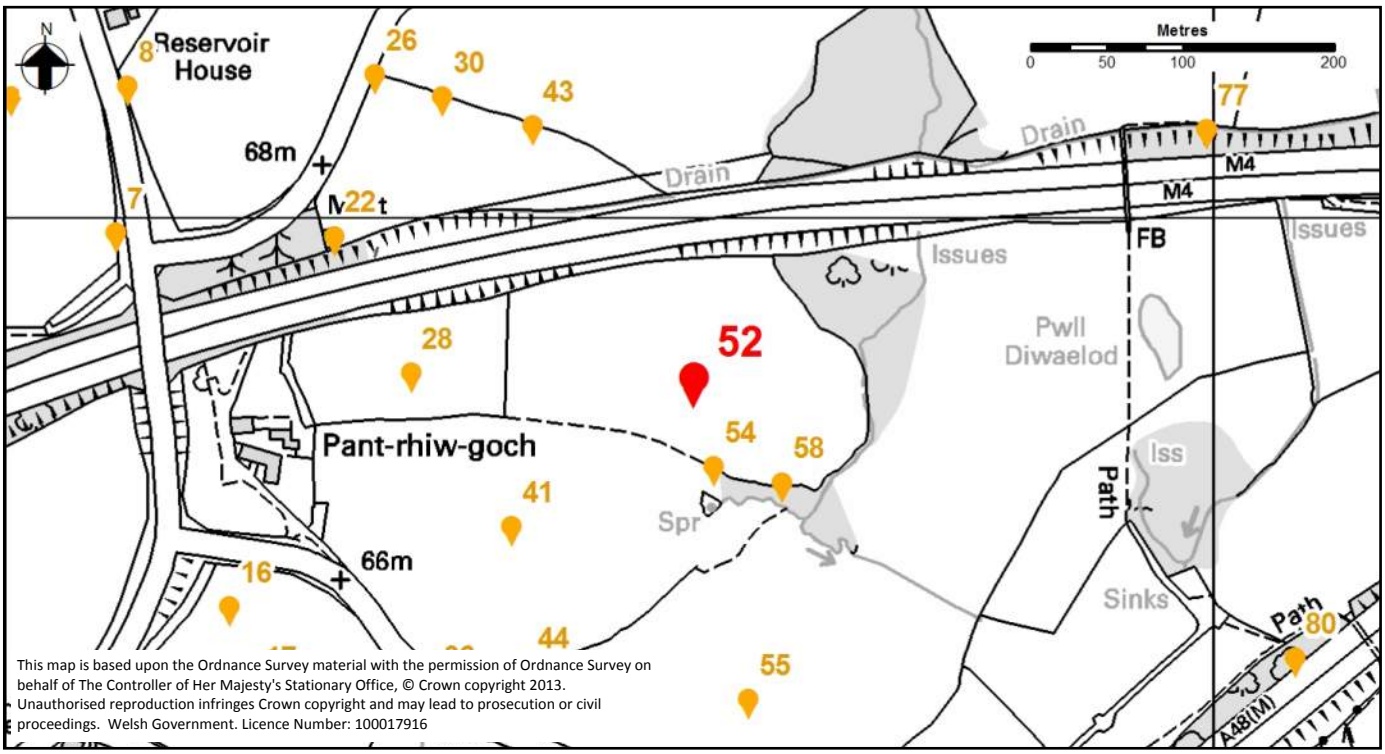

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	53	Date:	17-09-2014	GPS:	51.54, -3.09

Dominant Habitats:

Amenity grassland, treeline, scrub, improved grassland

Potential for Protected Species:

Reptiles

Target Note:

Pile of chippings from woody hedge being coppiced

Target Note Location Map:

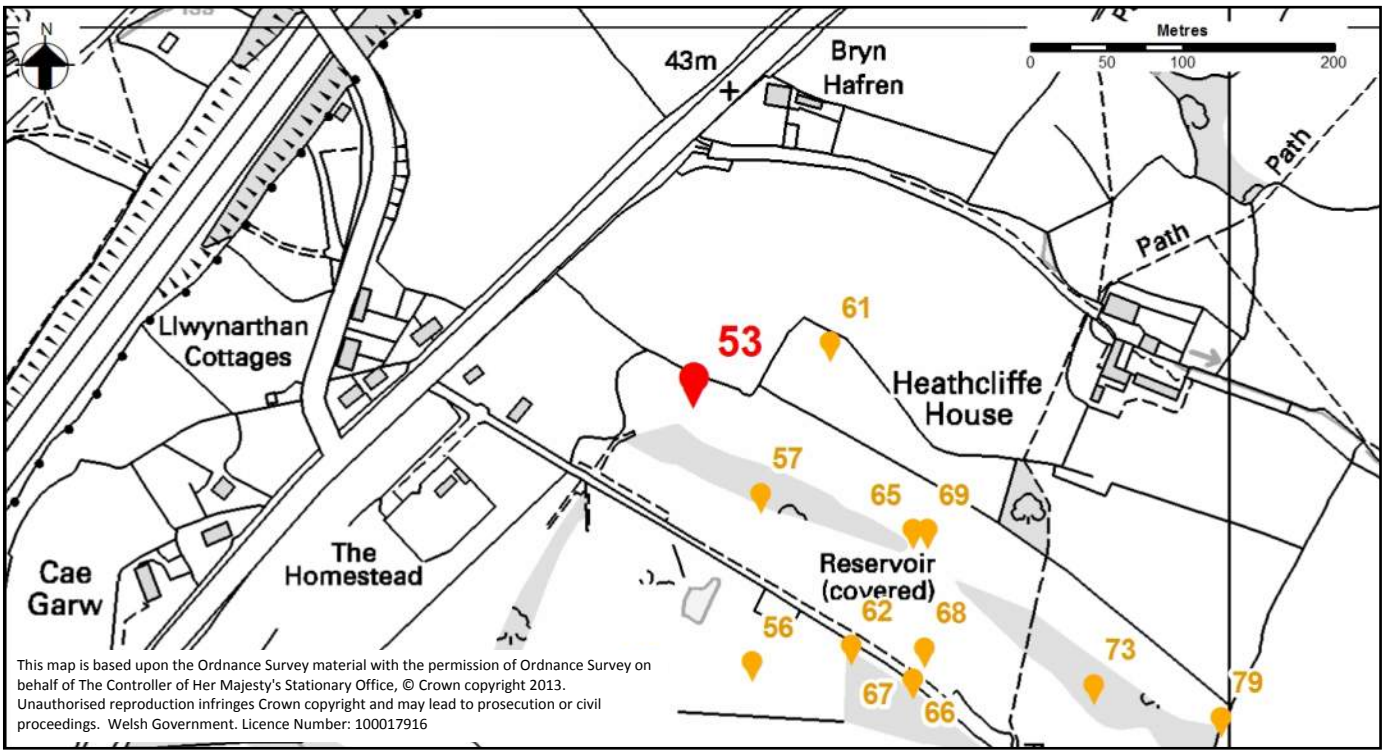

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	54	Date:	13-08-2014 14:58	GPS:	51.55, -3.09

Dominant Habitats:

Scrub

Target Note:

Mammal pathway crossing fence line from field to copse.

Potential for Protected Species:

Target Note Location Map:

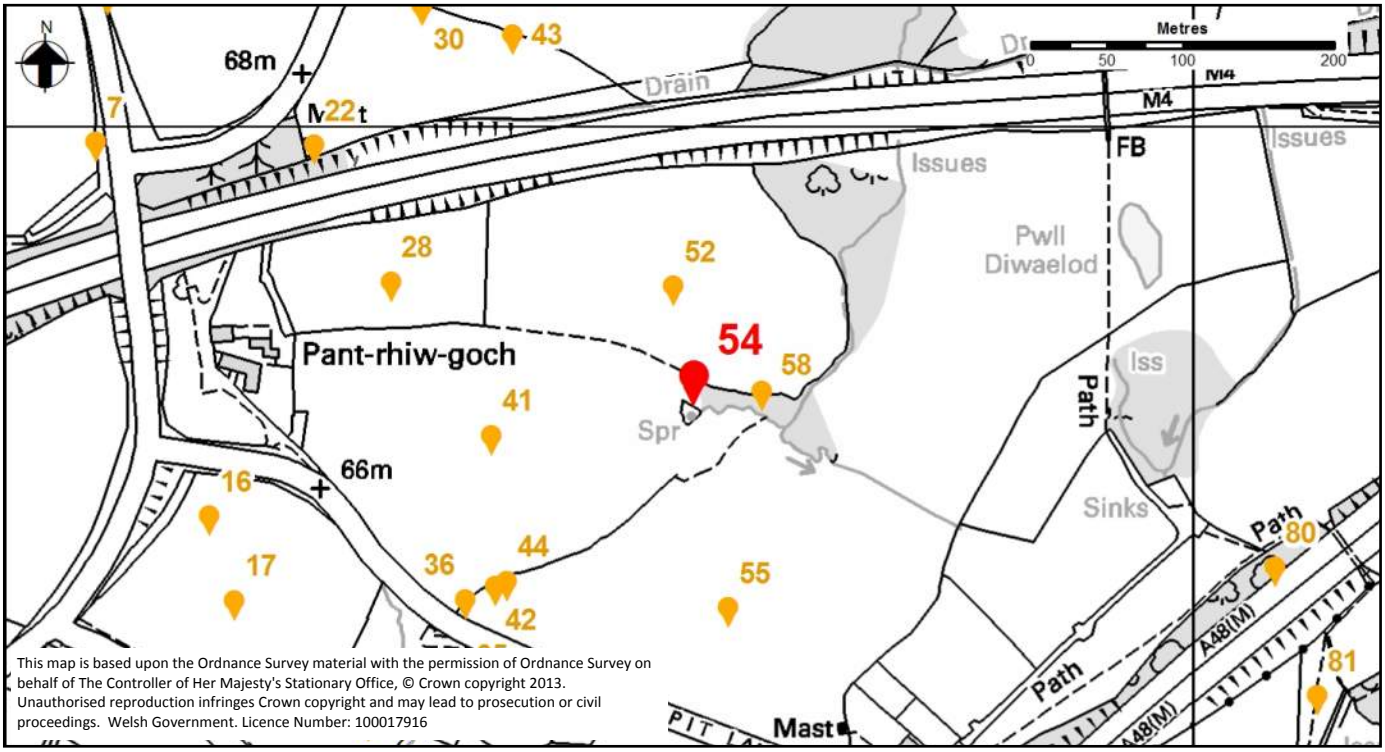

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	55	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Red clover, burdock, nettle, ragwort, willowherb sp., perennial ryegrass, greater plantain, meadow foxtail

Potential for Protected Species:

Target Note Location Map:

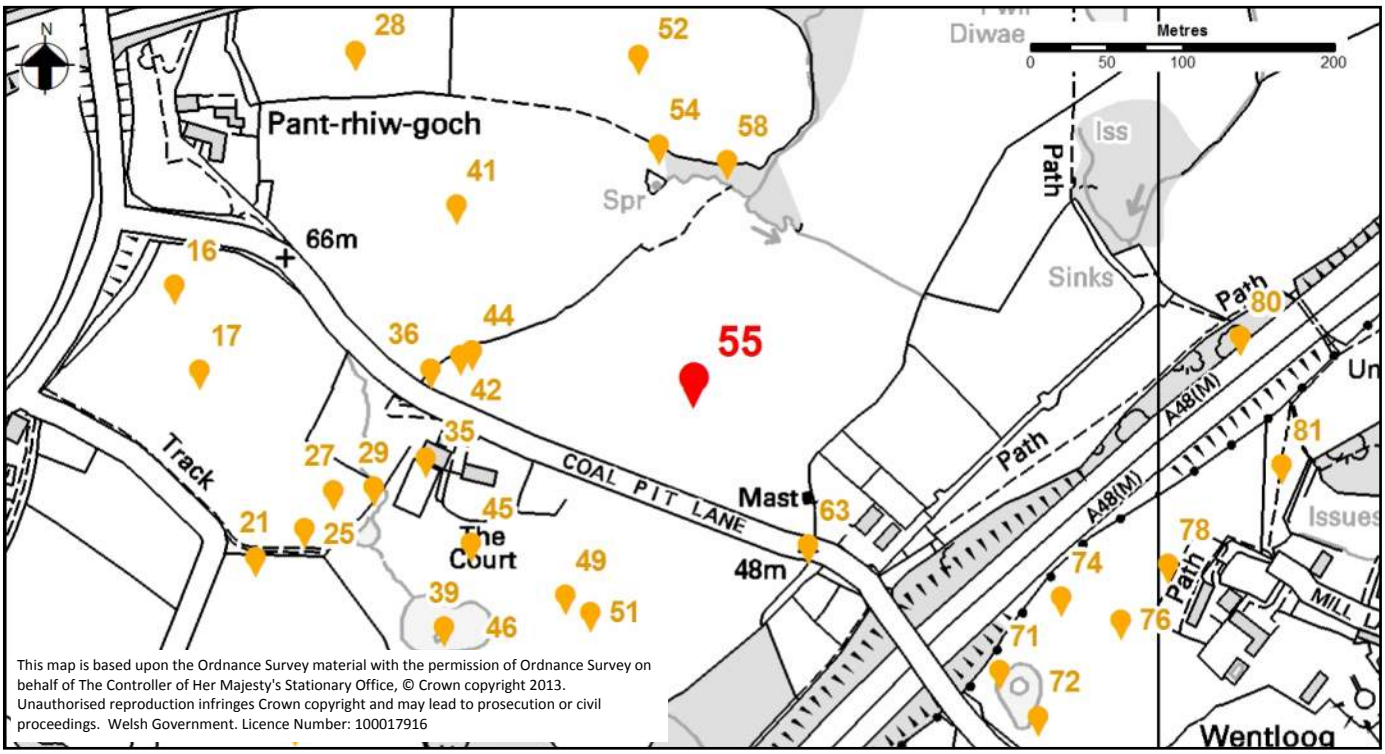

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	56	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Pendunculate oak, ash, conifer, sycamore, beech, hawthorn, rose sp., cherry, hazel, alder, fir, willow sp.

Potential for Protected Species:

Target Note Location Map:

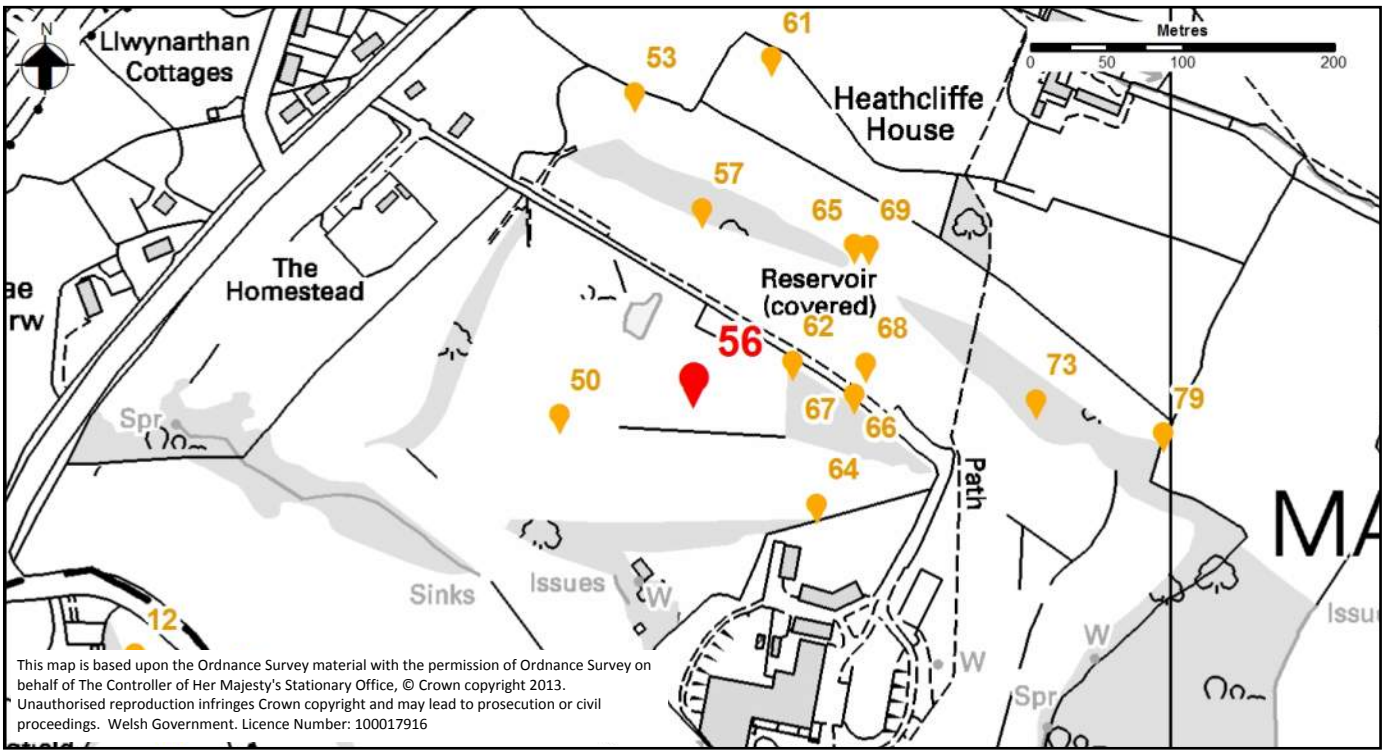

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	57	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Hawthorn, rowan, pendunculate oak, broad leaved lime, conifer, cherry, Acer sp., field maple.

Potential for Protected Species:

Target Note Location Map:

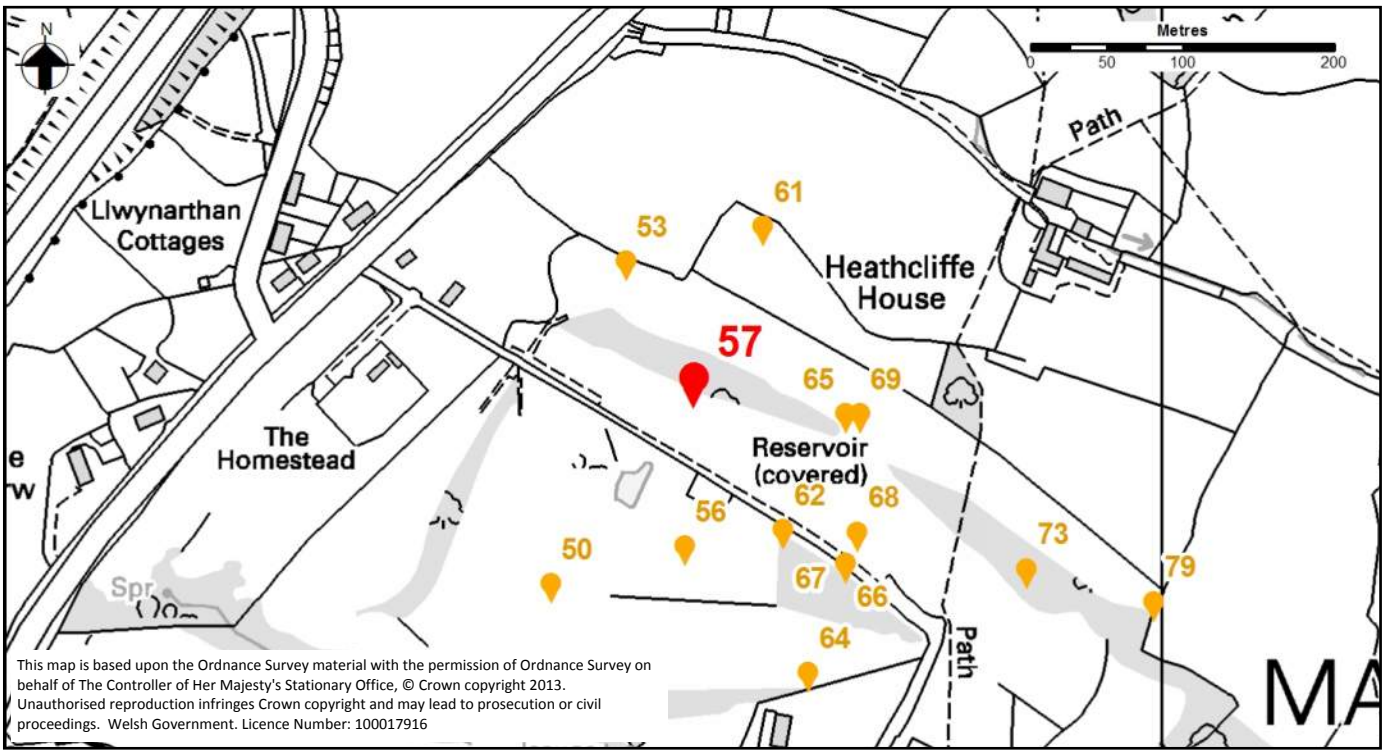

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	58	Date:	13-08-2014 15:01	GPS:	51.55, -3.09

Dominant Habitats:

Improved grassland/scrub

Target Note:

Mammal pathway crossing fence line under scrub

Potential for Protected Species:

Target Note Location Map:

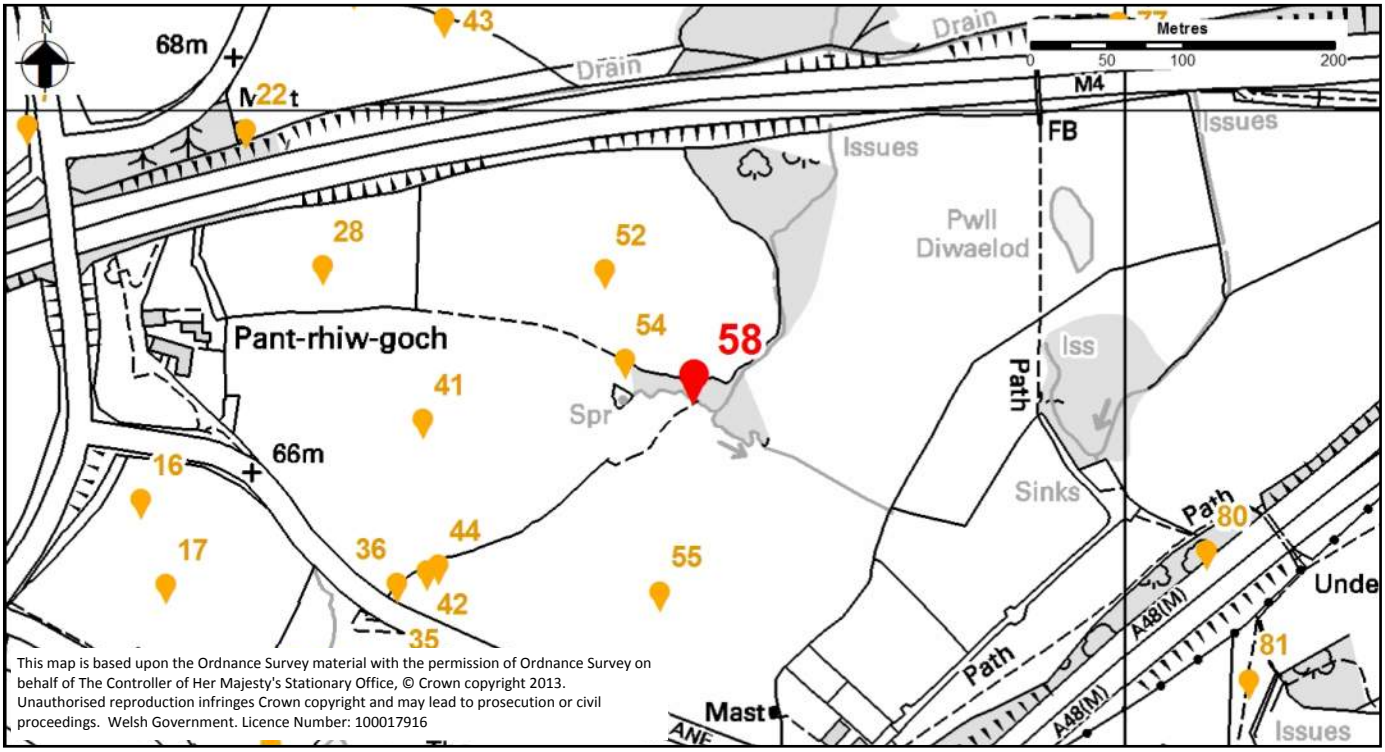

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	59	Date:	16-10-2014 16:04	GPS:	51.55, -3.09

Dominant Habitats:

Hedgerow, road and improved grassland

Potential for Protected Species:

Target Note:

Mammal pathway from one field, across road and into field to the south.

Target Note Location Map:

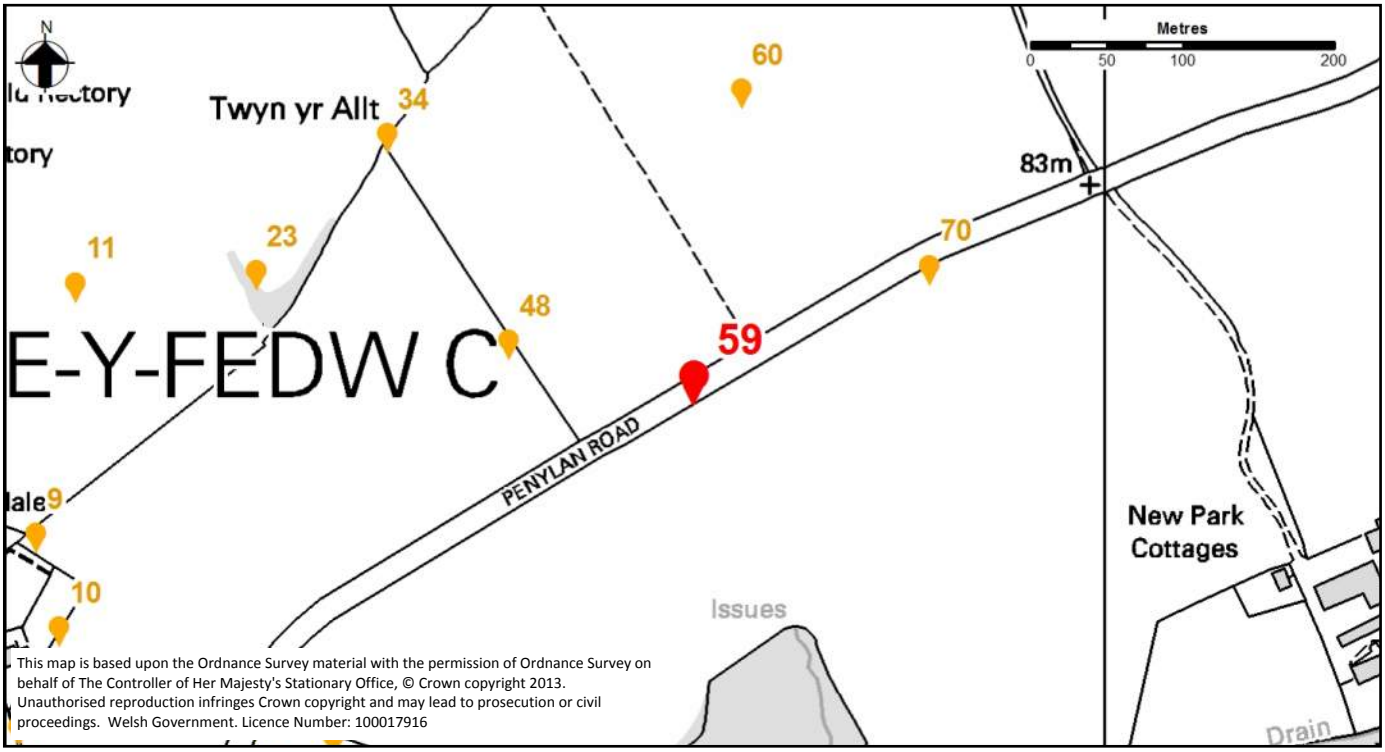

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	60	Date:		GPS:	51.55, -3.09

Dominant Habitats:

Target Note:

Bramble, hazel, Sorbus sp, common nettle, ash, willow sp, thistle sp., common reed, ivy, rush sp, annual meadow grass

Potential for Protected Species:

Target Note Location Map:

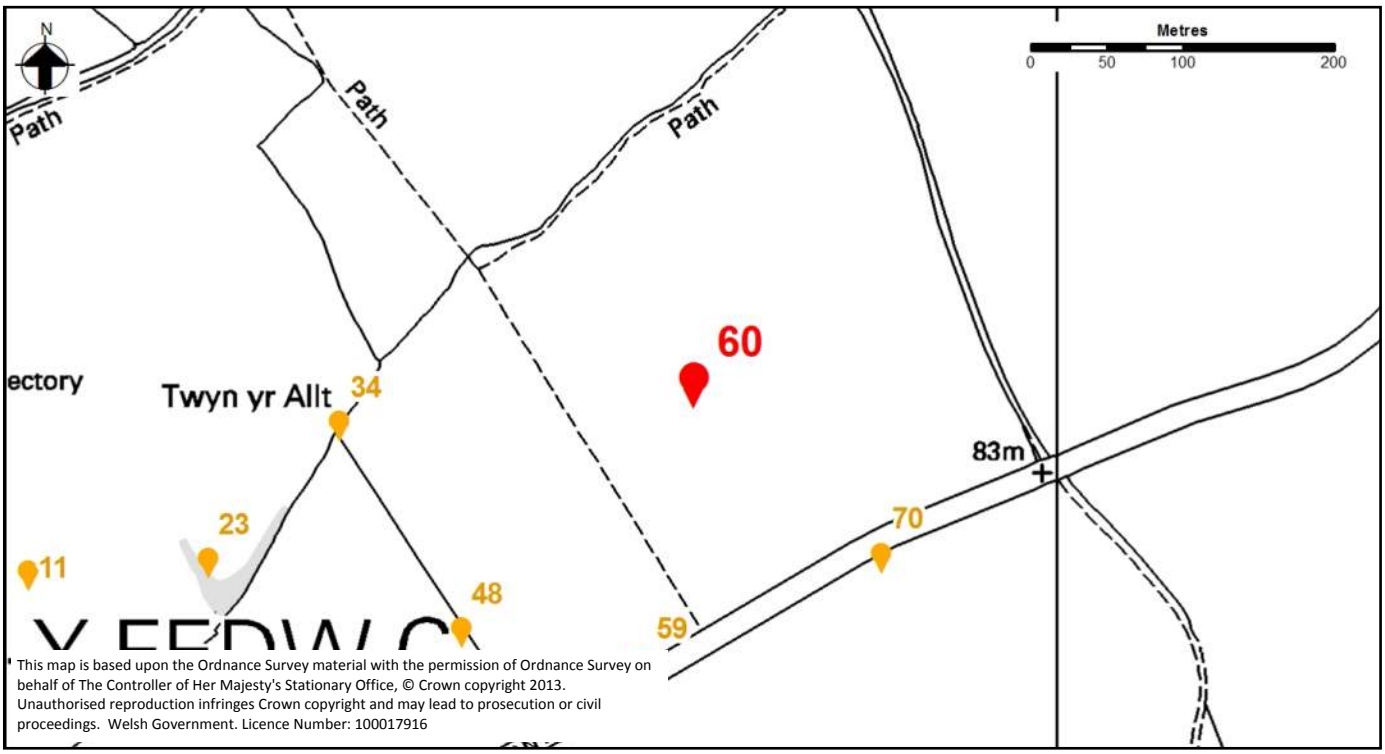

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	61	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Redshank, forget-me-not sp., silverweed, creeping buttercup.

Potential for Protected Species:

Target Note Location Map:

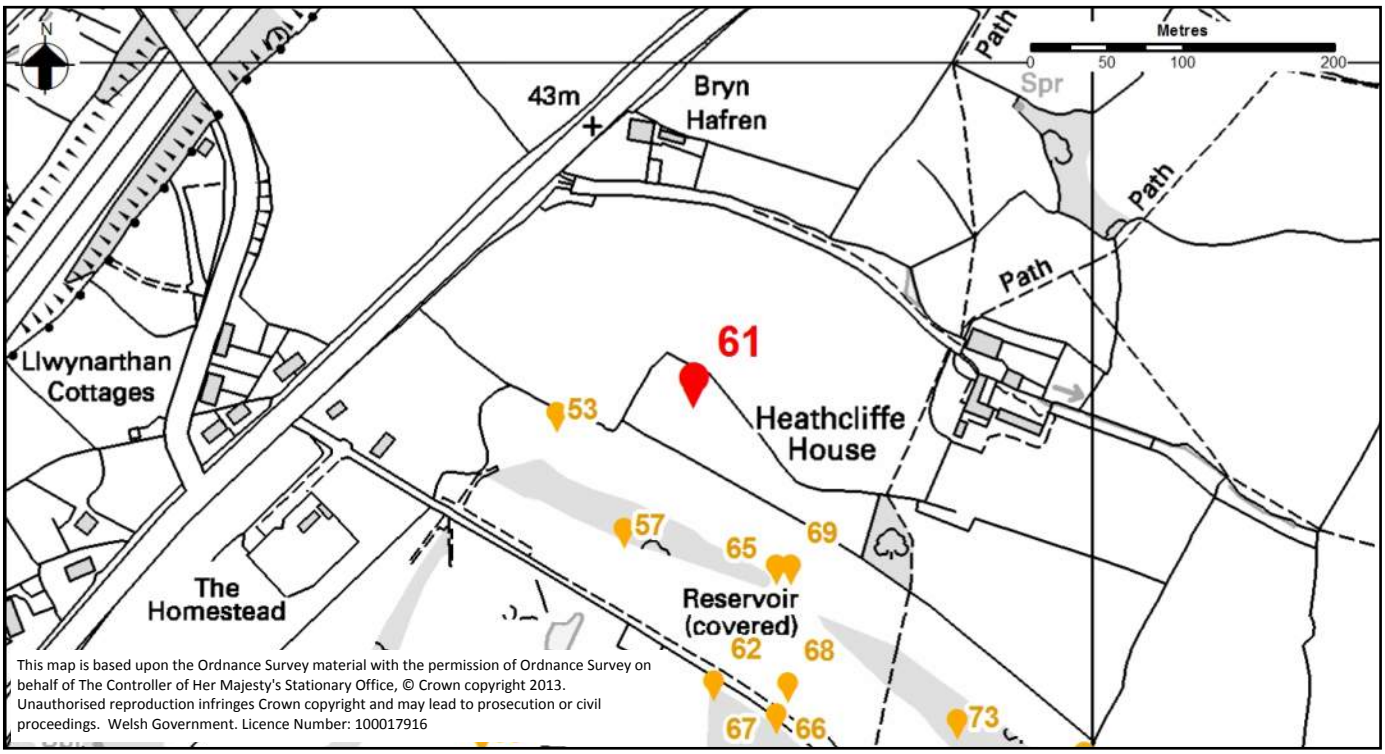

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	62	Date:	17-09-2014	GPS:	51.54, -3.09

Dominant Habitats:

Woodland clearing

Target Note:

Extensive stands of Japanese Knotweed and Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

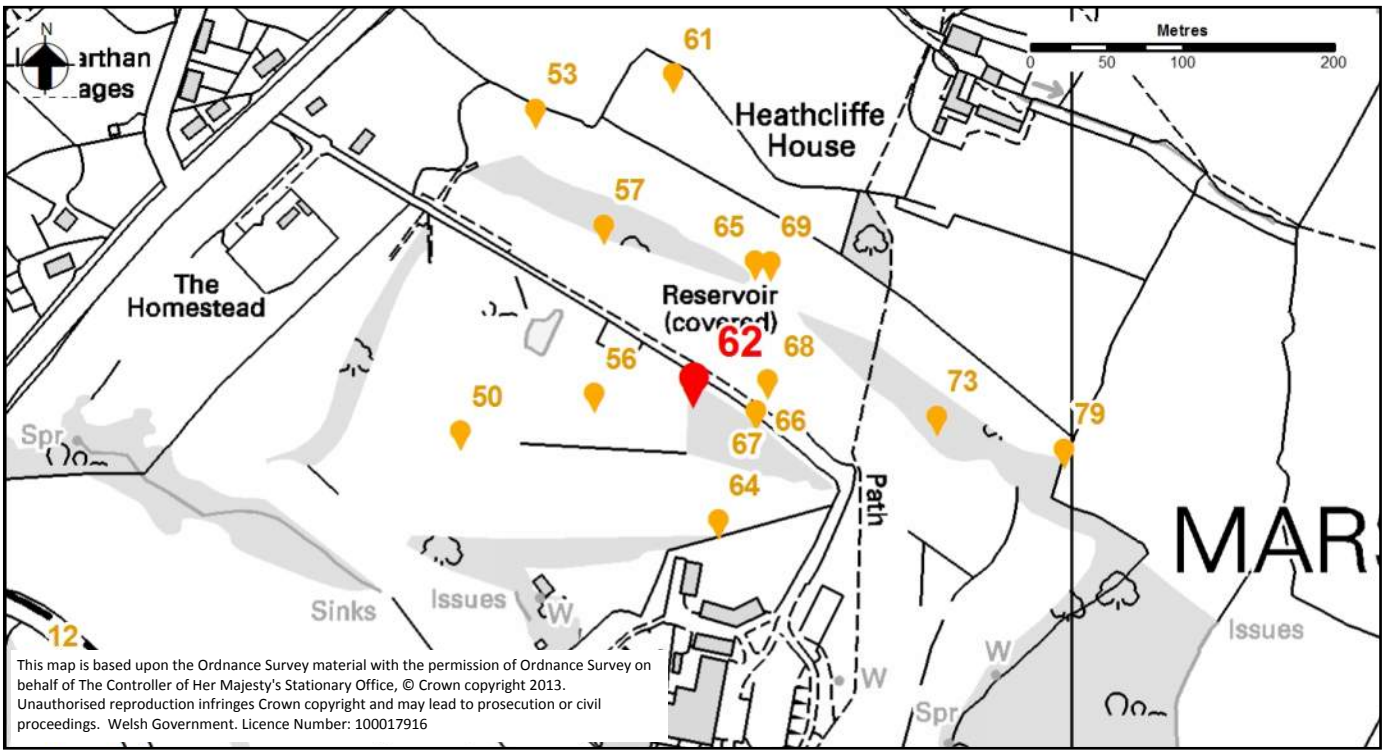

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	63	Date:	13-08-2014	GPS:	51.55, -3.09

Dominant Habitats:

Improved grassland

Target Note:

Japanese knotweed

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

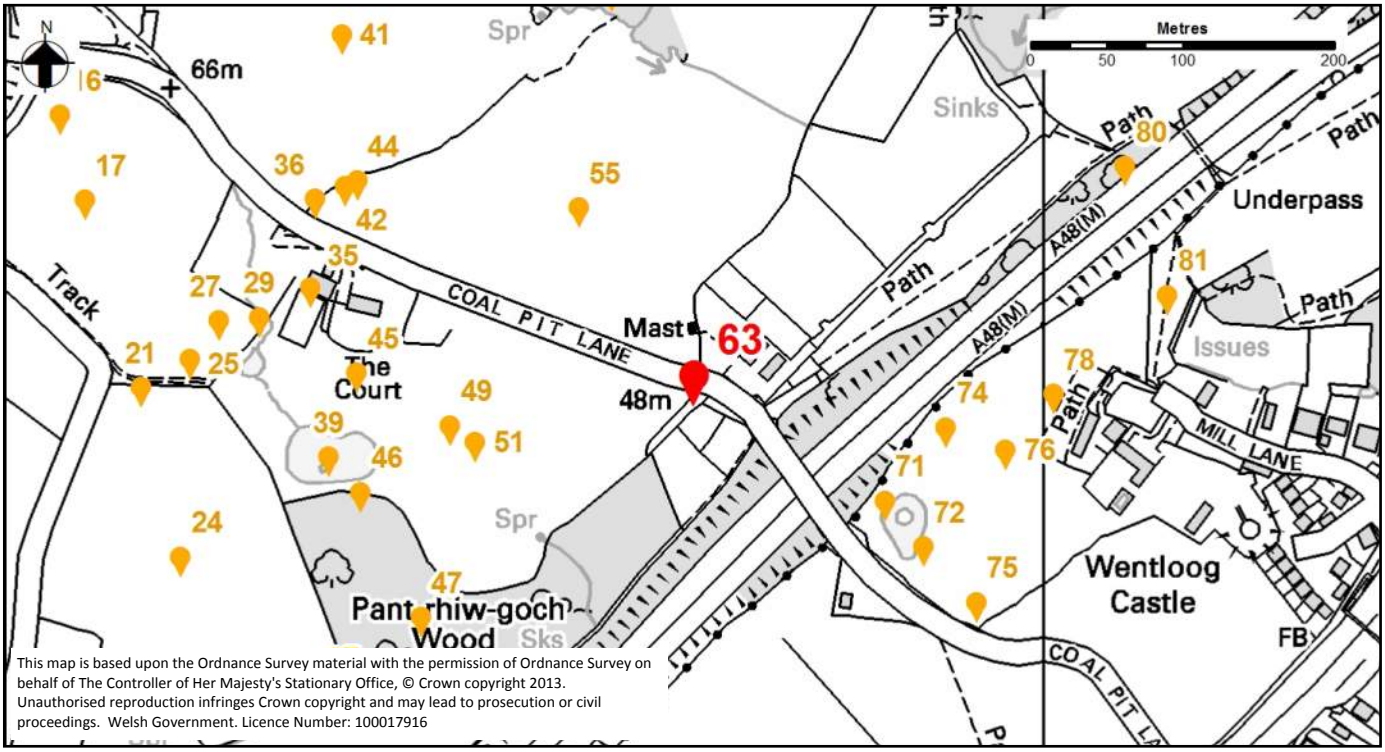

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	64	Date:	17-09-2014	GPS:	51.54, -3.09

Dominant Habitats:

Treeline, amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Compost heap (grass cuttings)

Target Note Location Map:

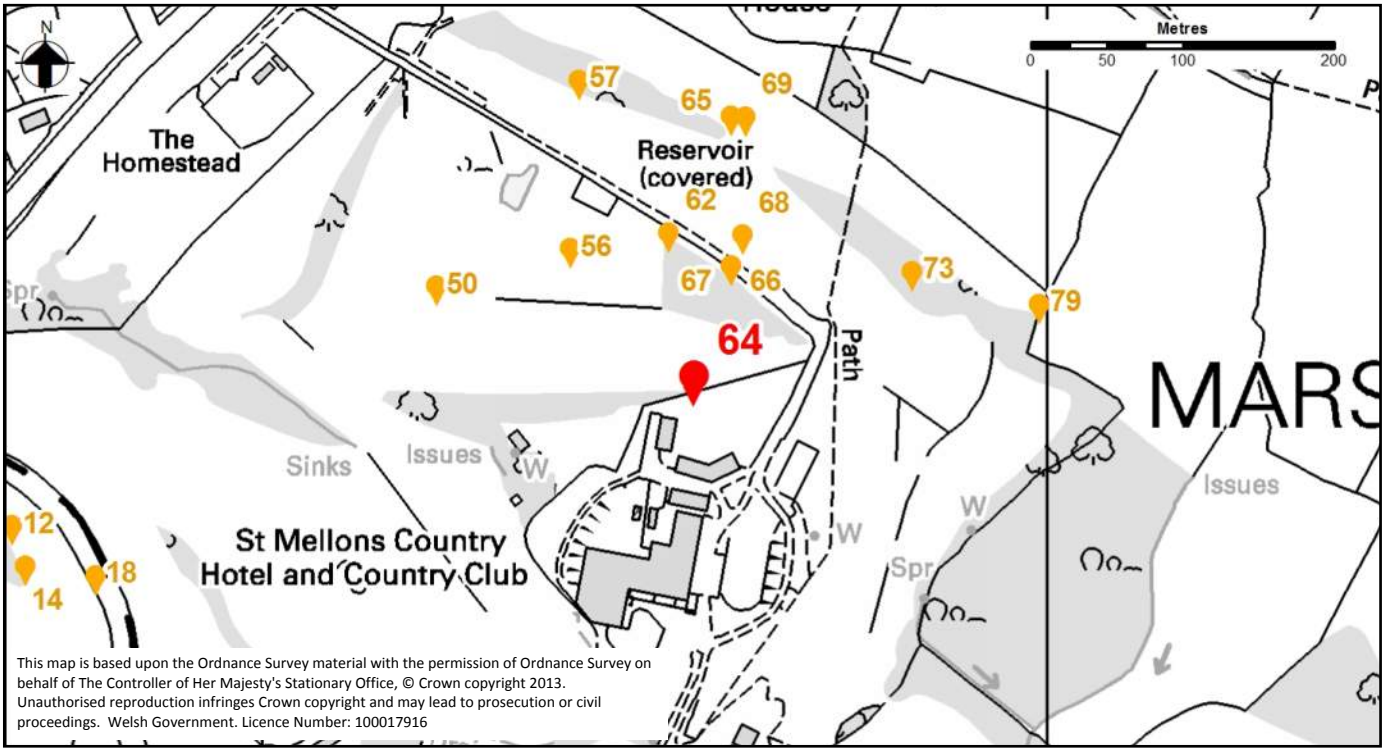

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	65	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Daisy, greater plantain, ribwort plantain, fescue sp., clover sp., yarrow
Fauna:

dragonfly sp.

Potential for Protected Species:

Target Note Location Map:

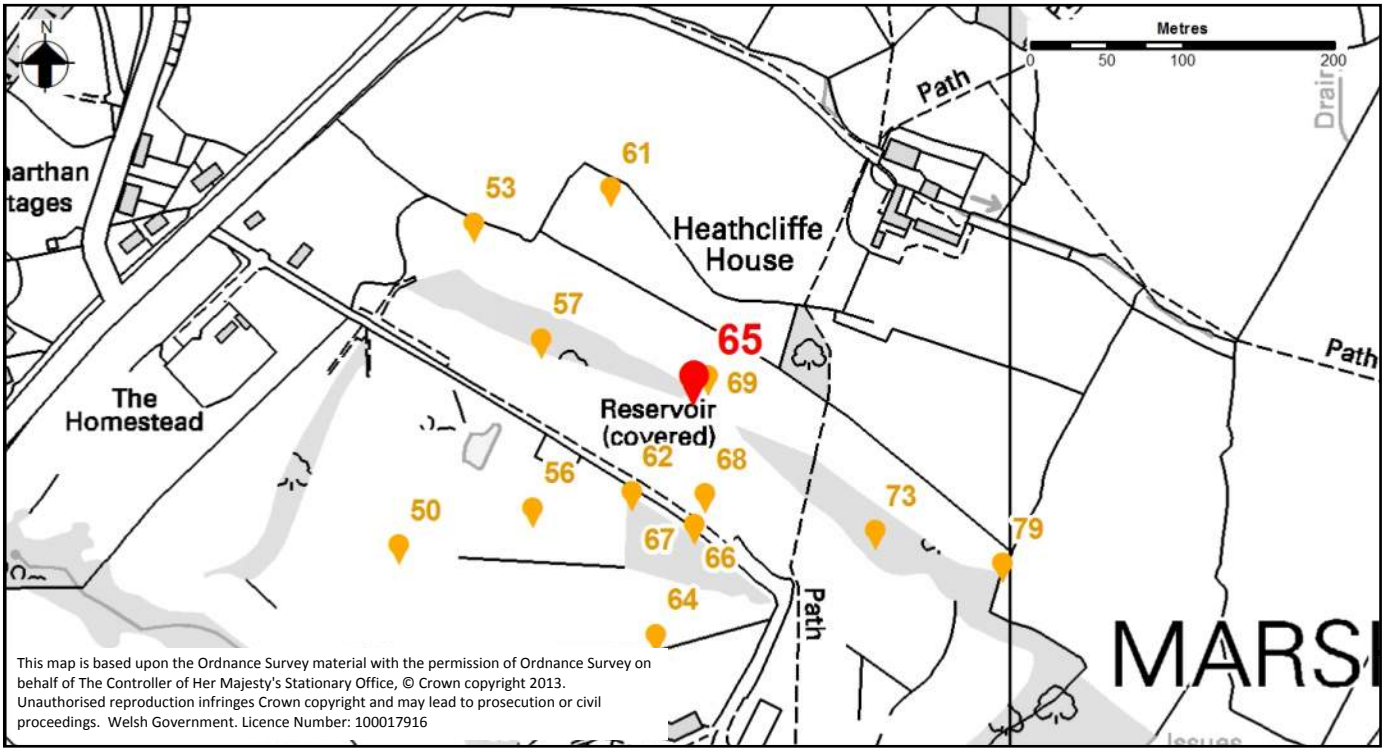

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	66	Date:	17-09-2014 14:36	GPS:	51.54, -3.09

Dominant Habitats:

Woodland

Target Note:

Mammal pathway out of/into woodland block, possibly badger.

Potential for Protected Species:

Badger

Target Note Location Map:

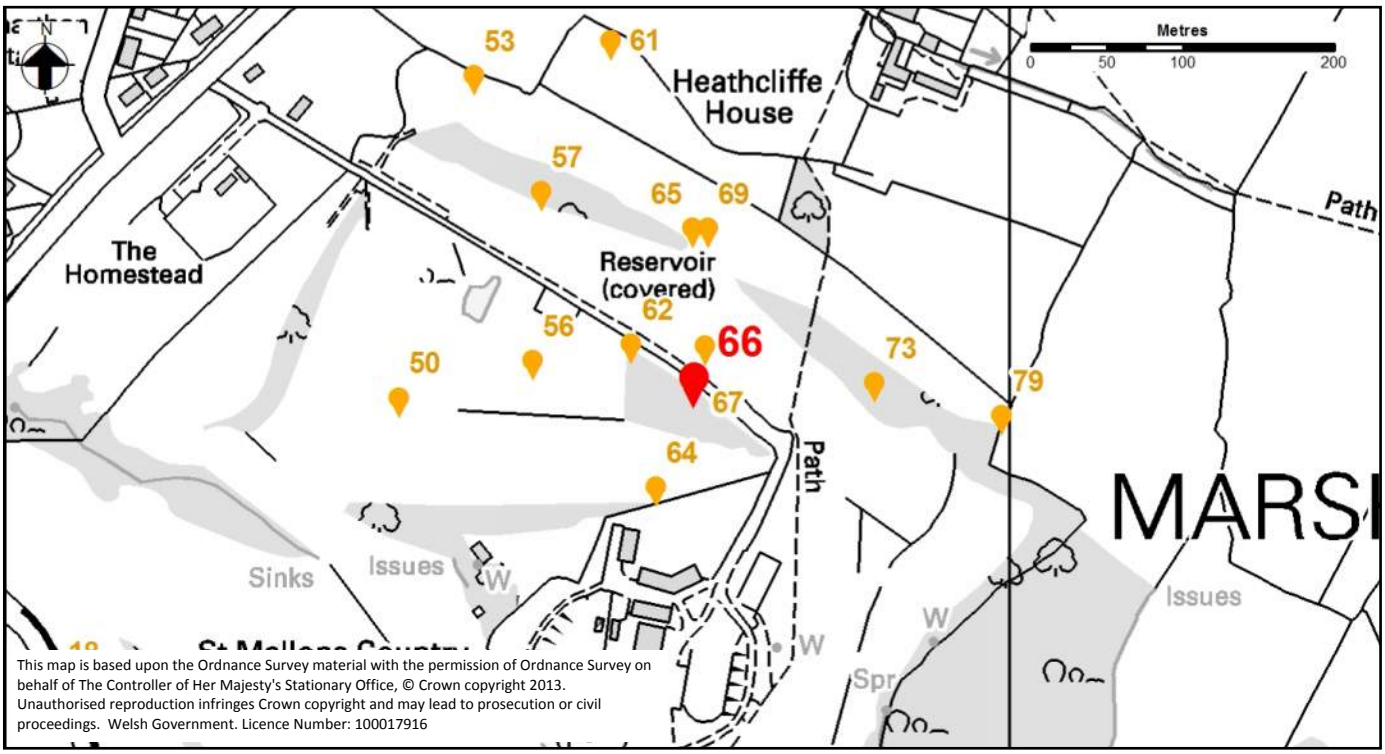

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	67	Date:	17-09-2014 14:36	GPS:	51.54, -3.09

Dominant Habitats:

Woodland

Target Note:

Pathways found extending into woodland, but no other supporting evidence - latrines, tracks.

Potential for Protected Species:

Badger

Target Note Location Map:

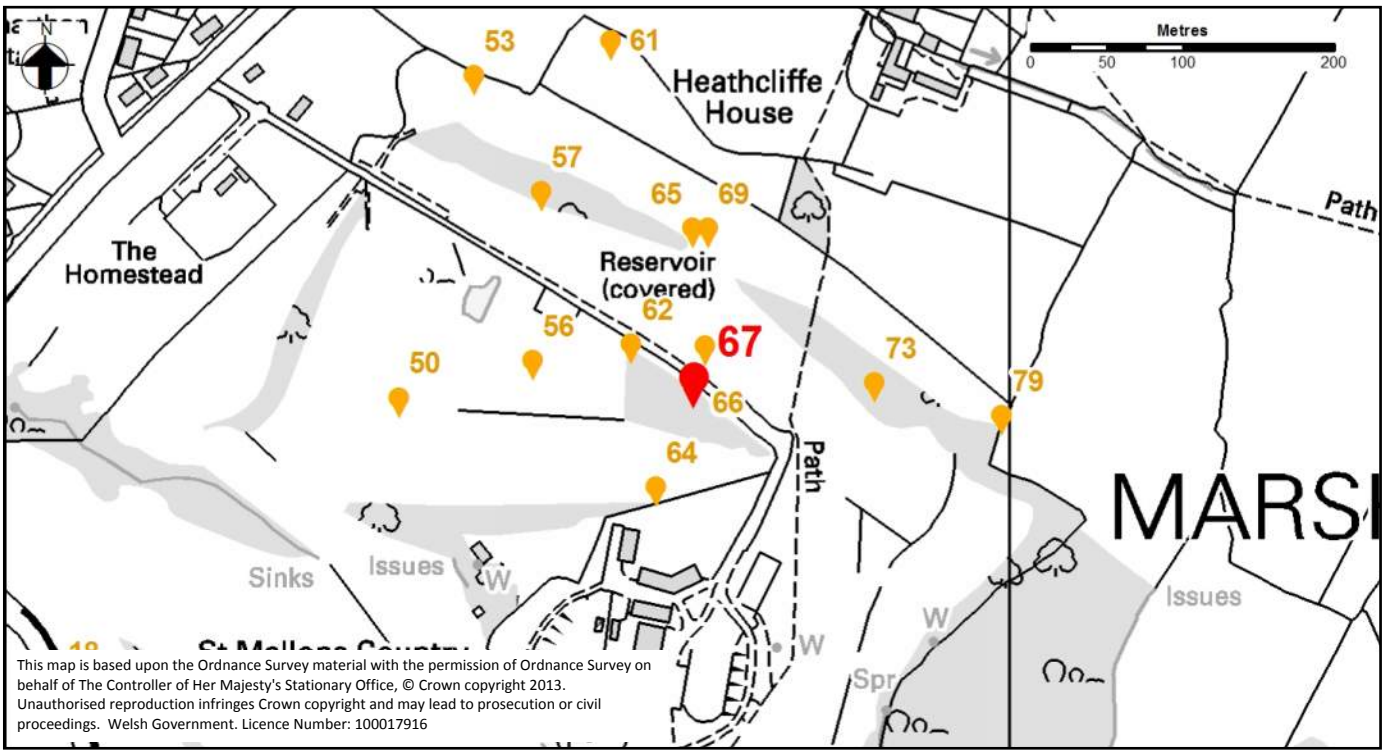

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	68	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Daisy, greater plantain, fescue, clover.
Fauna: nuthatch

Potential for Protected Species:

Target Note Location Map:

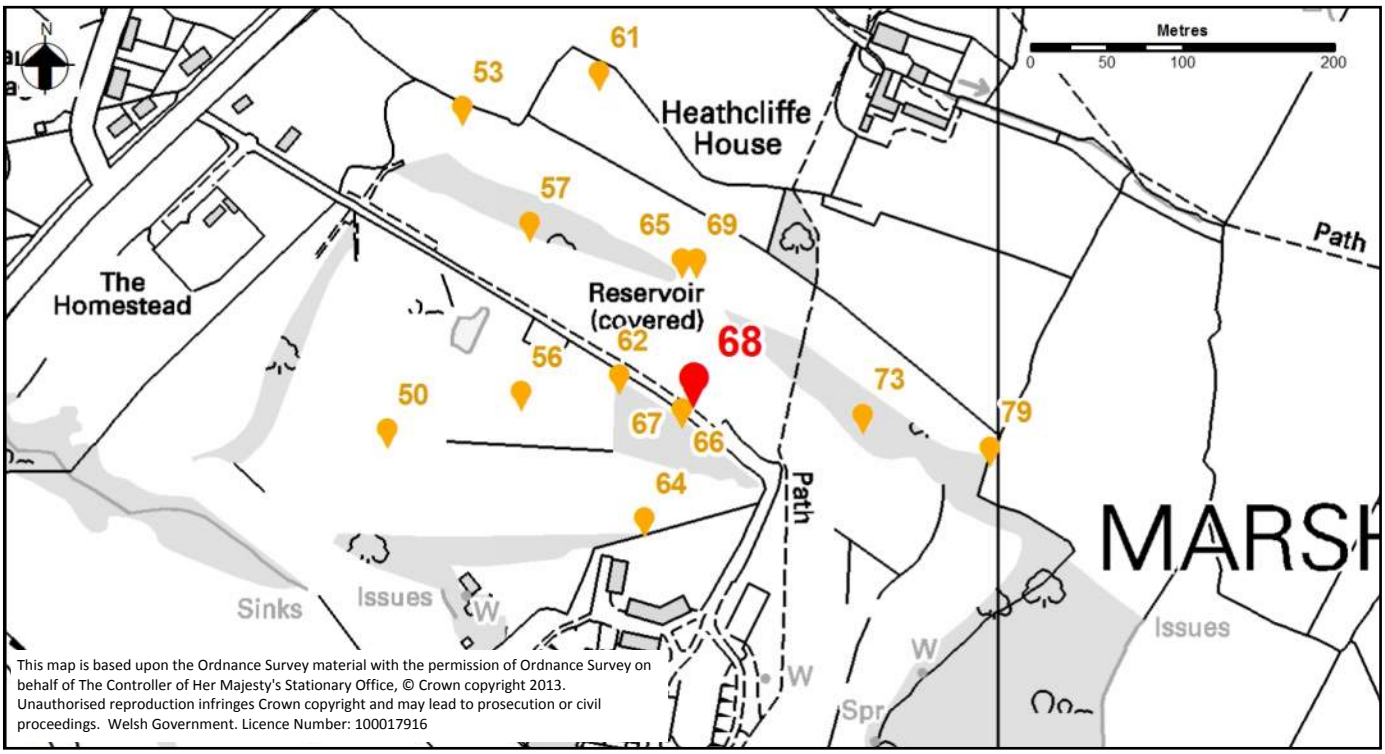

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	69	Date:		GPS:	51.54, -3.09

Dominant Habitats:

Target Note:

Daisy, greater plantain, ribwort plantain, fescue sp., clover sp., yarrow.
Dragonfly species

Potential for Protected Species:

Target Note Location Map:

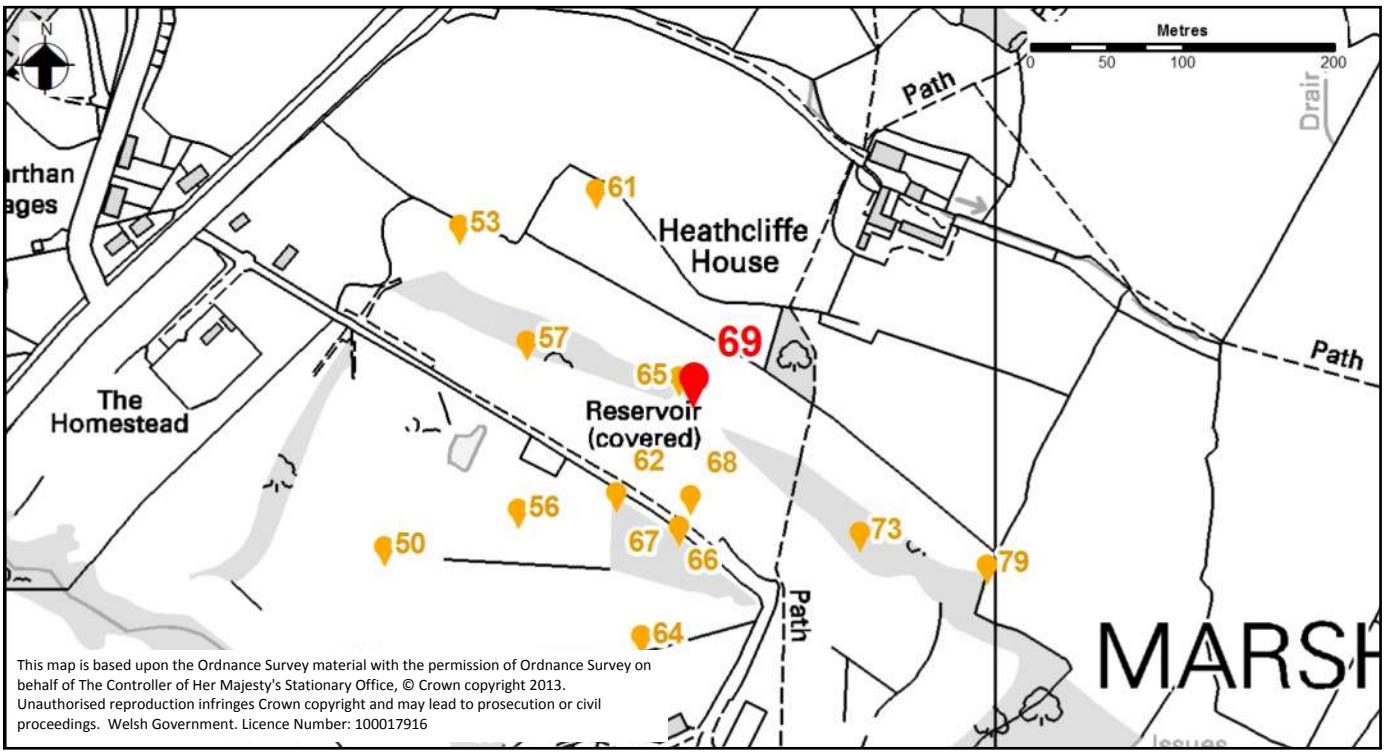

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	70	Date:	11-06-2014 10:14	GPS:	51.55, -3.08

Dominant Habitats:

Improved grassland/arable

Target Note:

Mammal pathway leading from roadside into the arable fields

Potential for Protected Species:

Target Note Location Map:

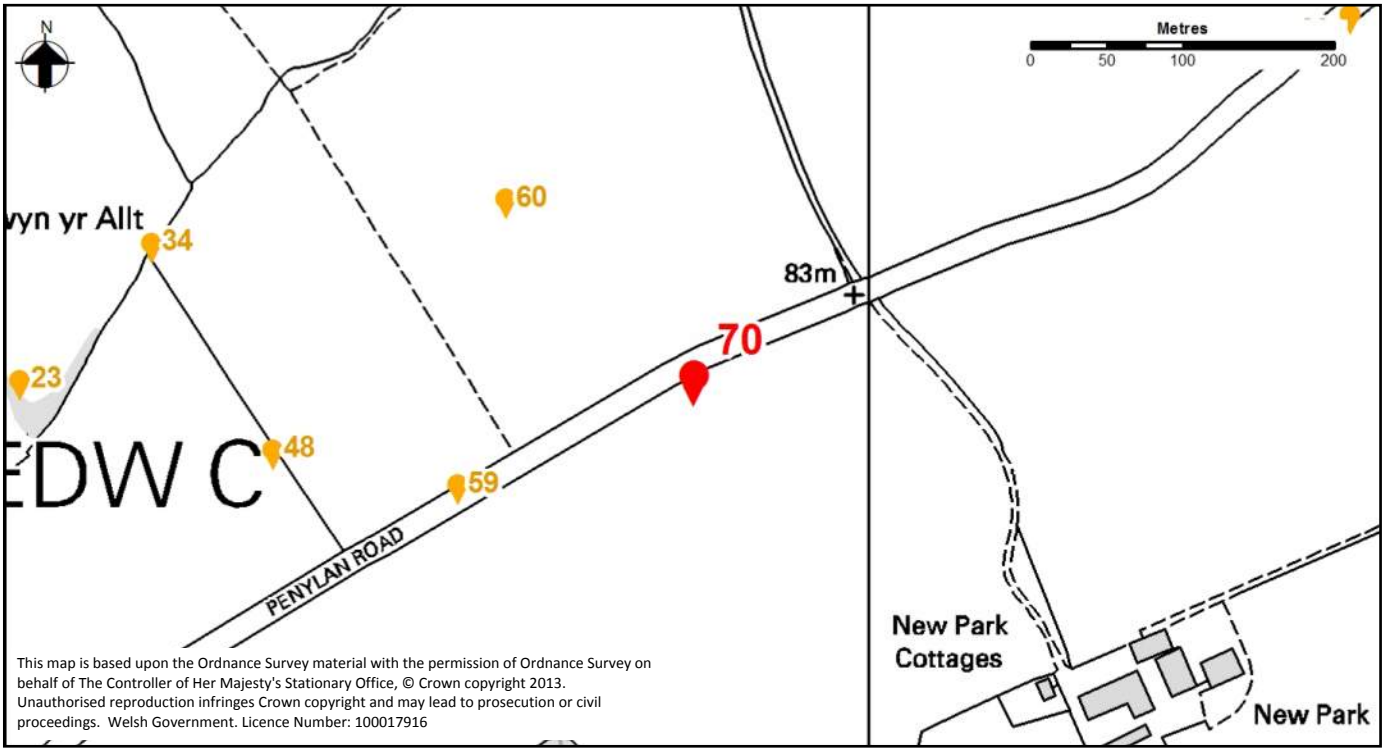

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	71	Date:	30-10-2014 15:12	GPS:	51.55, -3.08

Dominant Habitats:

Pond, scrub

Target Note:

Mammal pathway along pond, near scrub. No other signs found.

Potential for Protected Species:

Target Note Location Map:

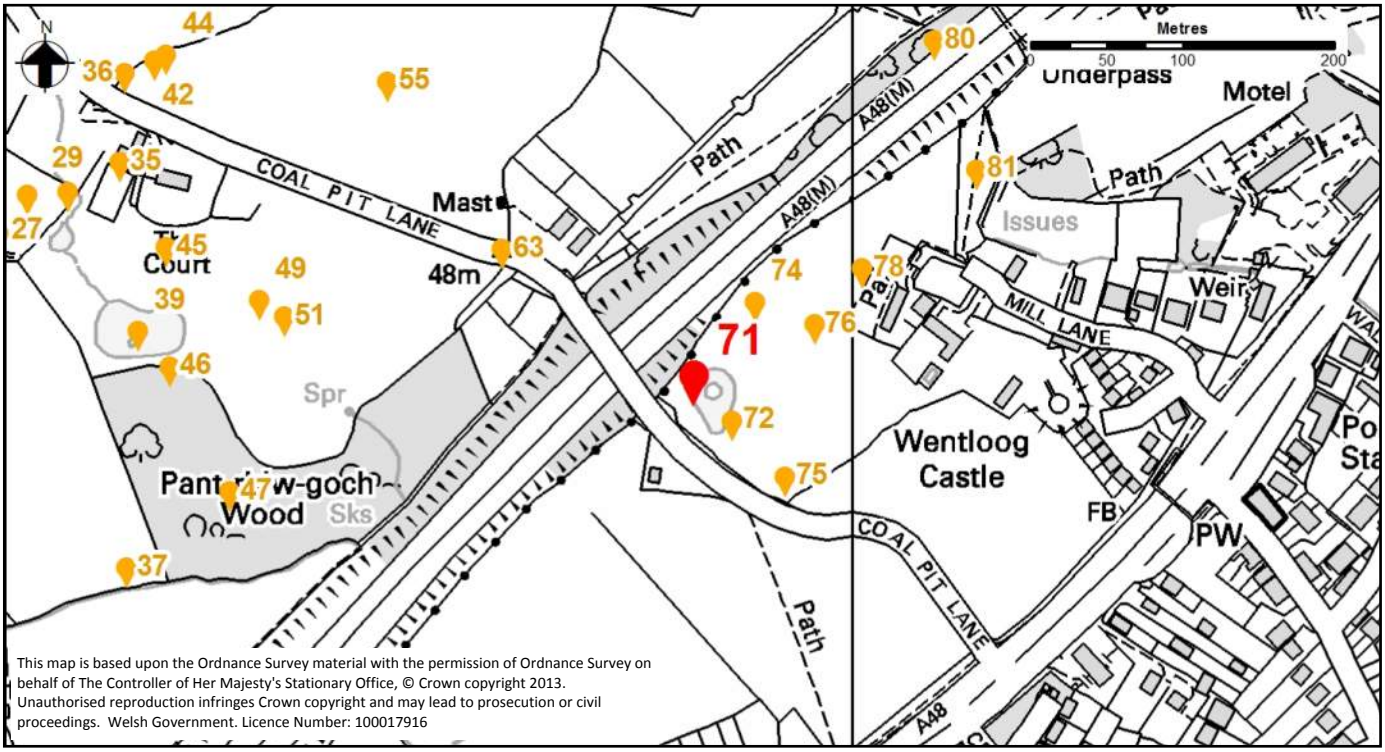

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	72	Date:	30-10-2014 14:57	GPS:	51.55, -3.08

Dominant Habitats:

Pond, livestock grazing, scrub

Target Note:

Frog disturbed.
Shrew under refugia mat.

Potential for Protected Species:

Target Note Location Map:

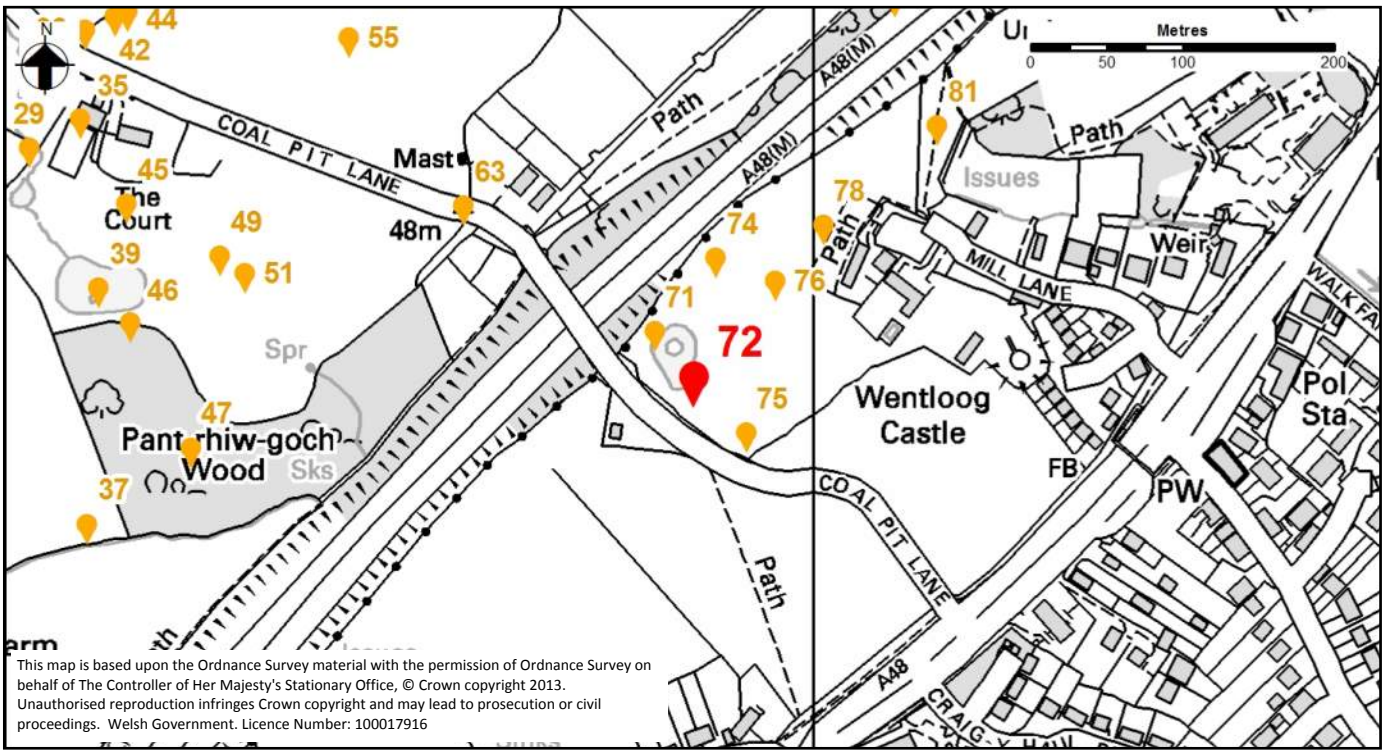

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Photo 1 **Photo 2**

Extended Phase 1 Target Notes

Target Note Number:	73	Date:		GPS:	51.54, -3.08

Dominant Habitats:

Target Note:

Alder, conifer, broad leaved lime, rowan, silver birch, Italian alder, oak , ash, cherry, horse chestnut

Potential for Protected Species:

Target Note Location Map:

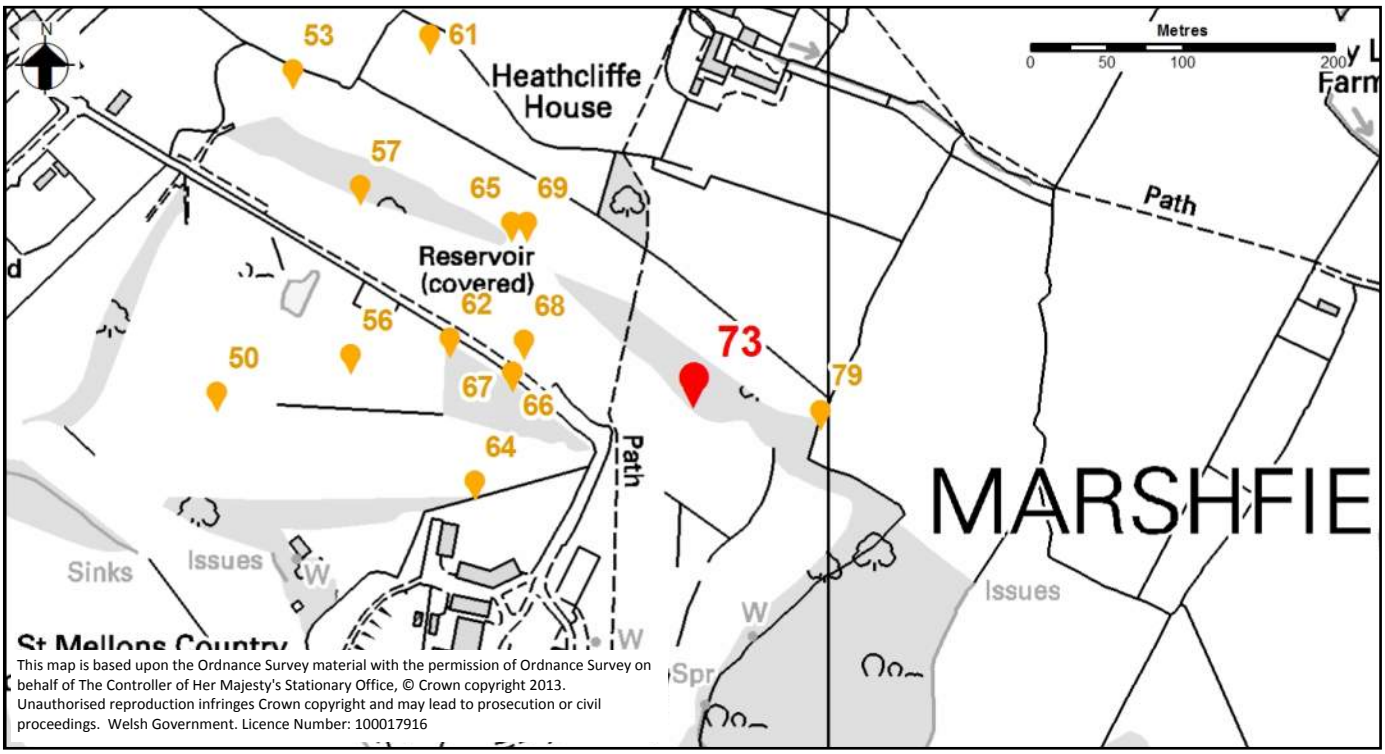

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	74	Date:	24-10-2014	GPS:	51.55, -3.08

Dominant Habitats:

Marshy grassland

Target Note:

Japanese knotweed

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

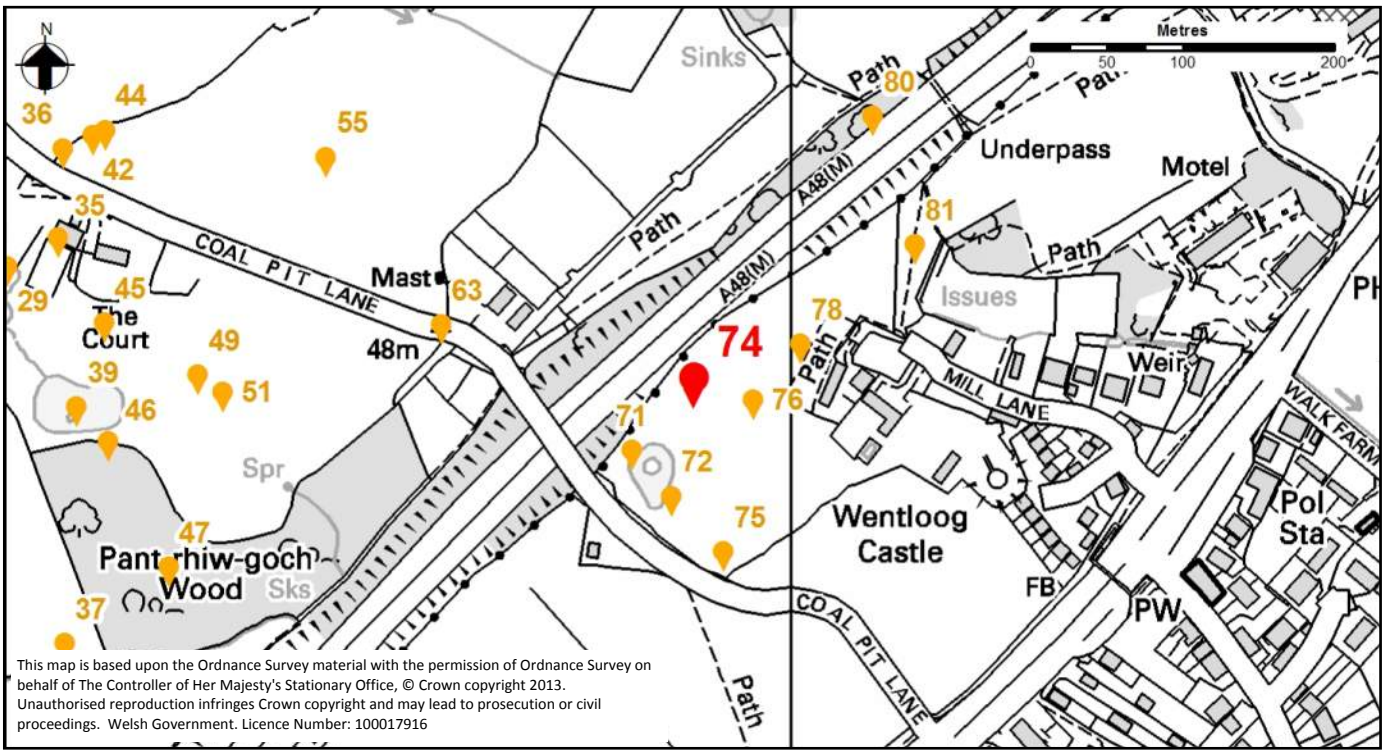

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	75	Date:		GPS:	51.54, -3.08

Dominant Habitats:

Target Note:

Rush sp., St John's wort, great willowherb, scentless mayweed, teasel, speedwell sp, figwort sp, black medick, narrow leaved dock, hawksbit sp, elder, creeping buttercup, trefoil sp., common nettle

Potential for Protected Species:

Target Note Location Map:

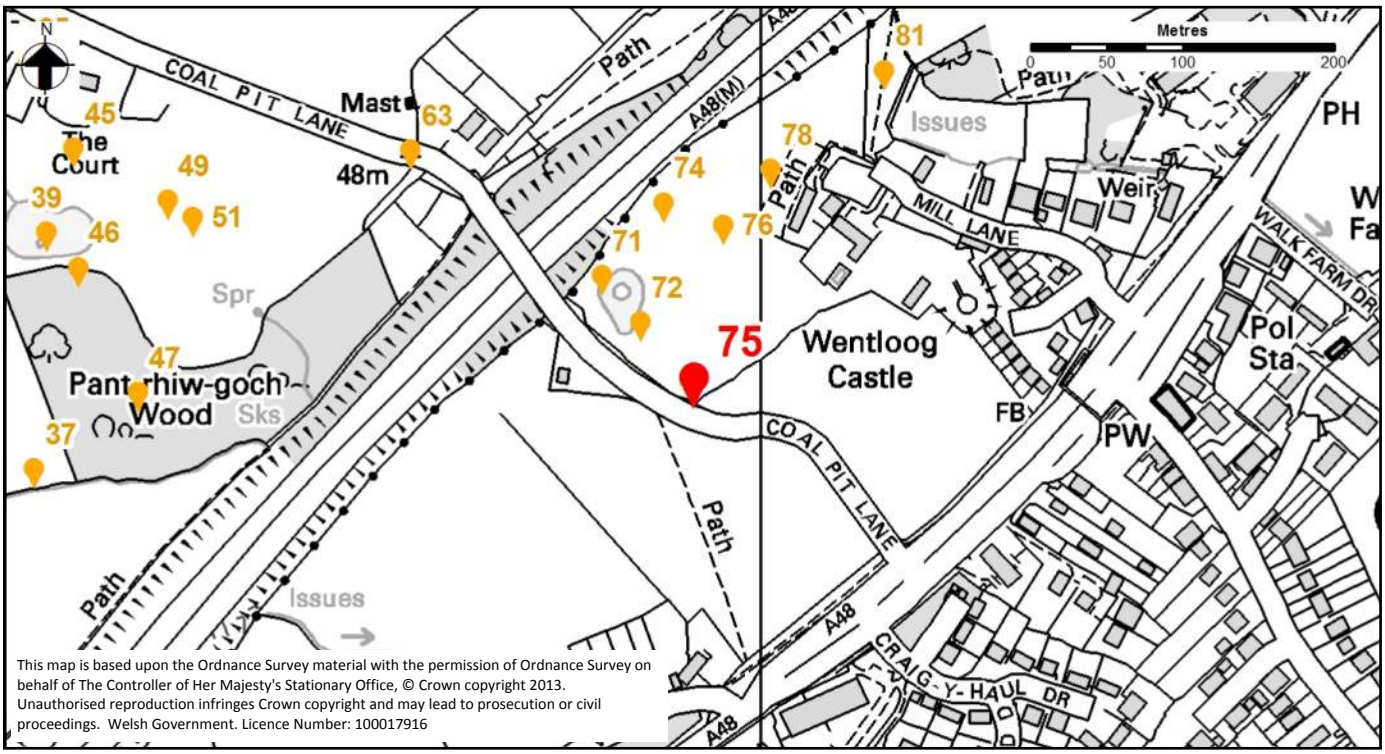

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	76	Date:		GPS:	51.55, -3.08

Dominant Habitats:

Target Note:

Rush sp, St John's wort, great willowherb, scentless mayweed, teasel, speedwell sp., figwort sp., black medick, narrow leaved dock, hawksbit sp, elder, creeping buttercup, trefoil sp., common nettle

Potential for Protected Species:

Target Note Location Map:

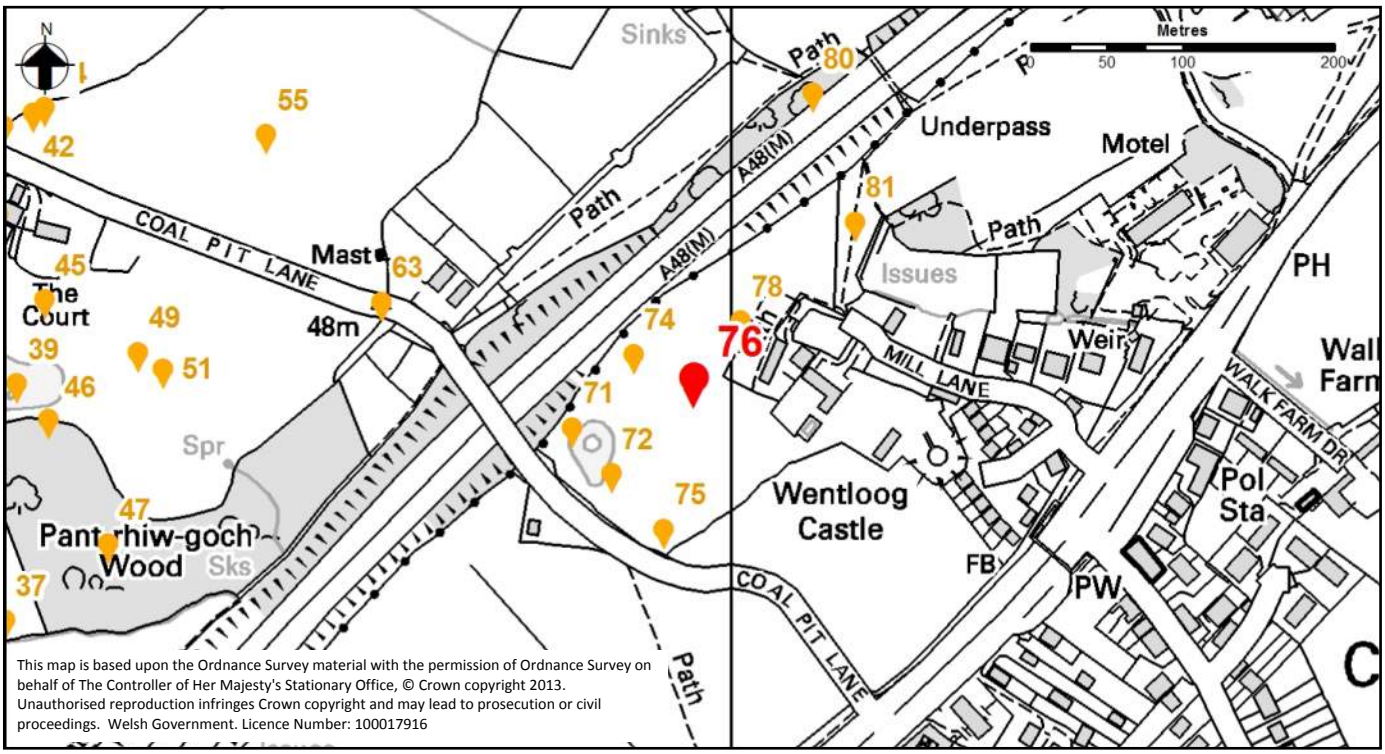

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	77	Date:	11-06-2014 11:03	GPS:	51.55, -3.08

Dominant Habitats:

Scrub

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

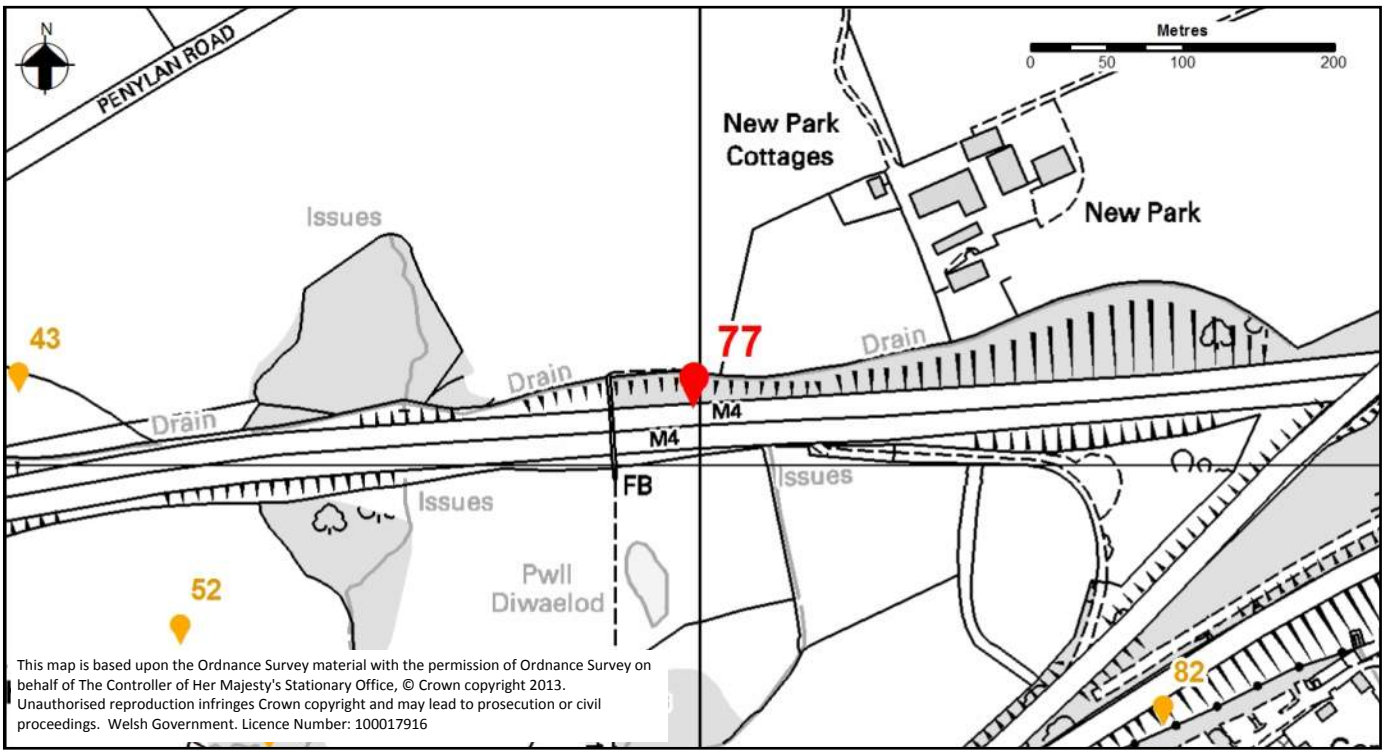

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	78	Date:	24-10-2014 12:23	GPS:	51.55, -3.08

Dominant Habitats:

Hedgerow

Target Note:

Cherry laurel

Potential for Protected Species:

Target Note Location Map:

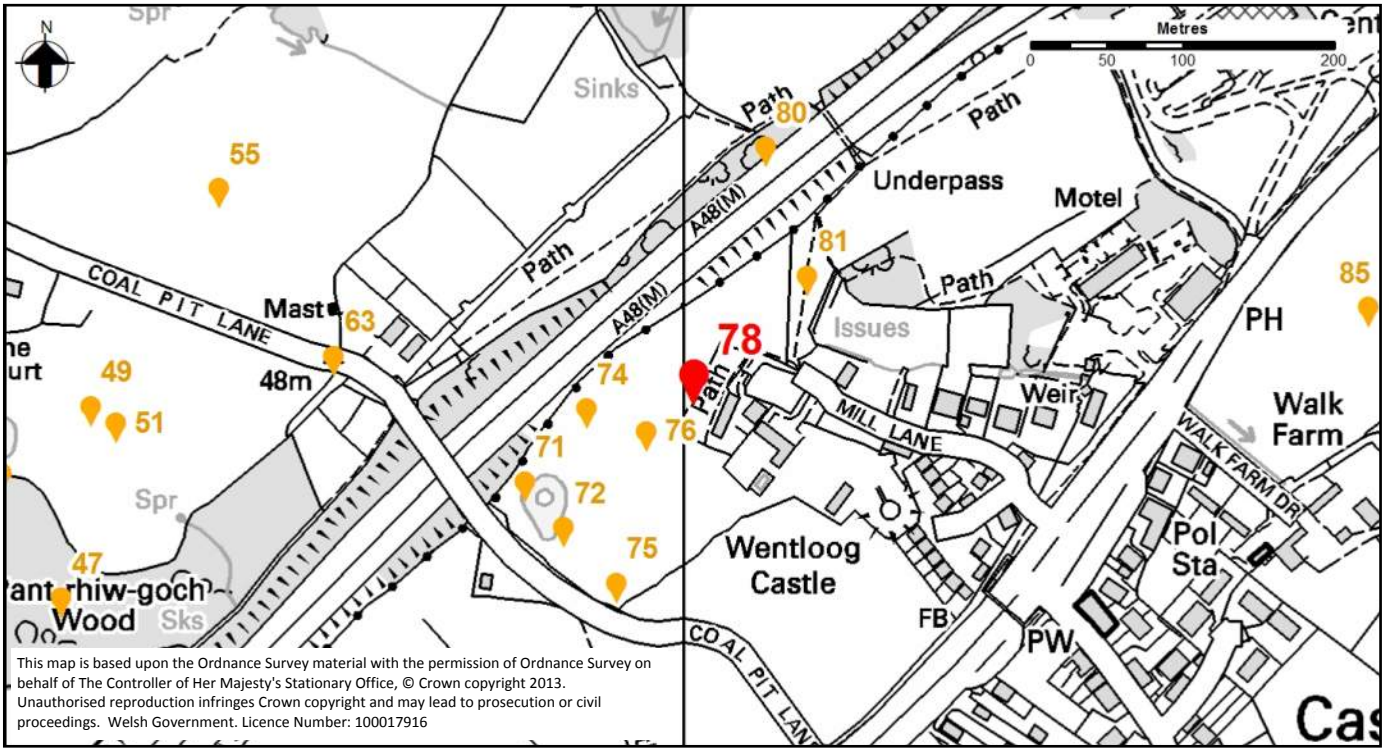

Photo 1 **Photo 2**

Extended Phase 1 Target Notes

Target Note Number:	79	Date:	17-09-2014	GPS:	51.54, -3.08

Dominant Habitats:

Amenity grassland, treelines

Target Note:

Japanese Knotweed

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

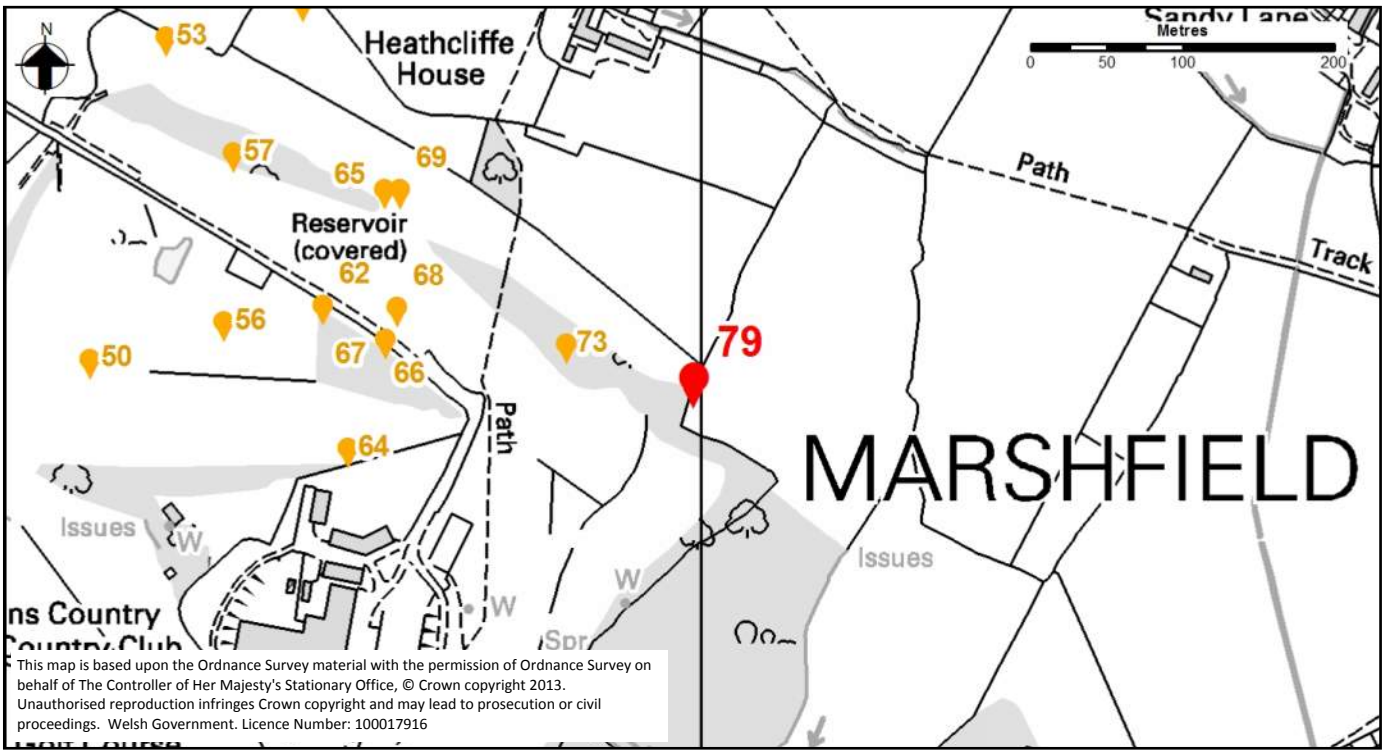

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	80	Date:	16-10-2014 12:10	GPS:	51.55, -3.08

Dominant Habitats:

Woodland

Potential for Protected Species:

Badger

Target Note:

Scratch marks on ground. Areas have been dug by large mammal.

Target Note Location Map:

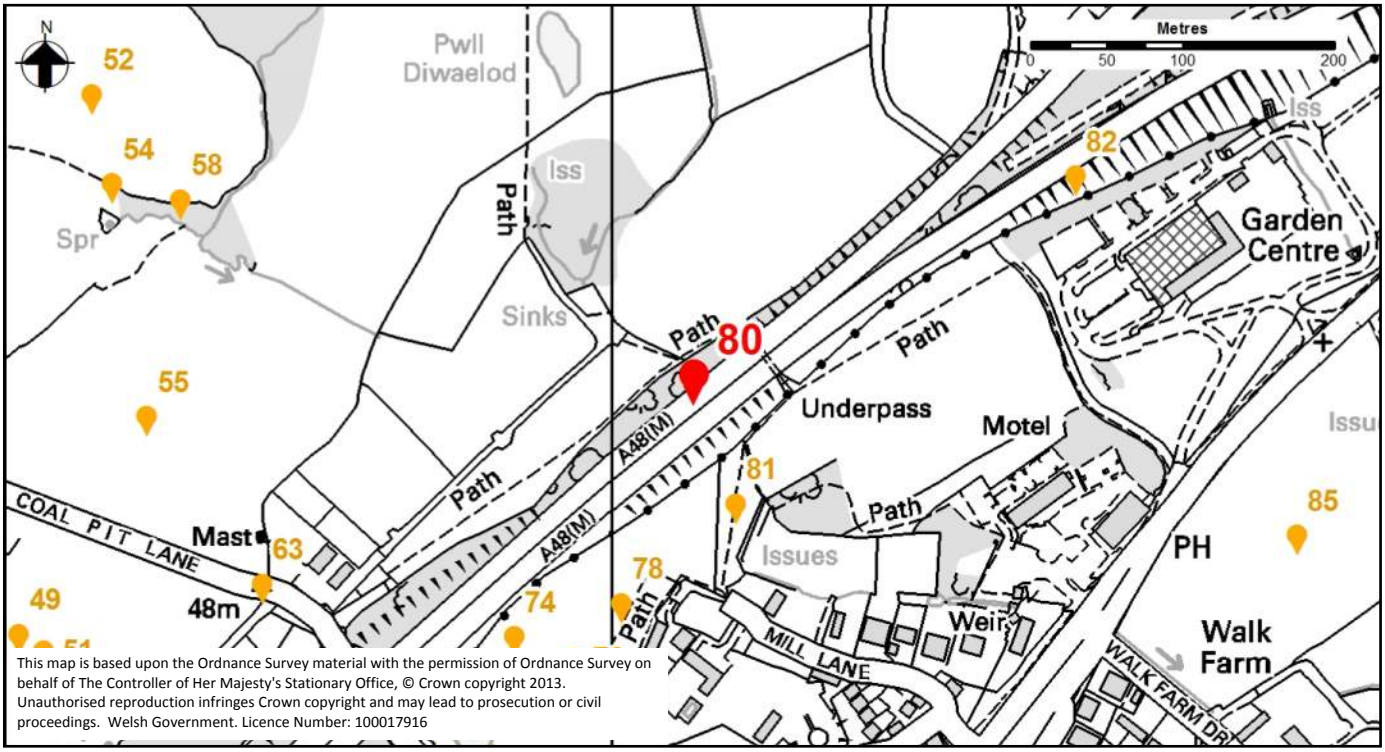

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	81	Date:	24-10-2014	GPS:	51.55, -3.08

Dominant Habitats:

Tall ruderal, scrub, mature treeline

Target Note:

Himalayan balsam stand

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

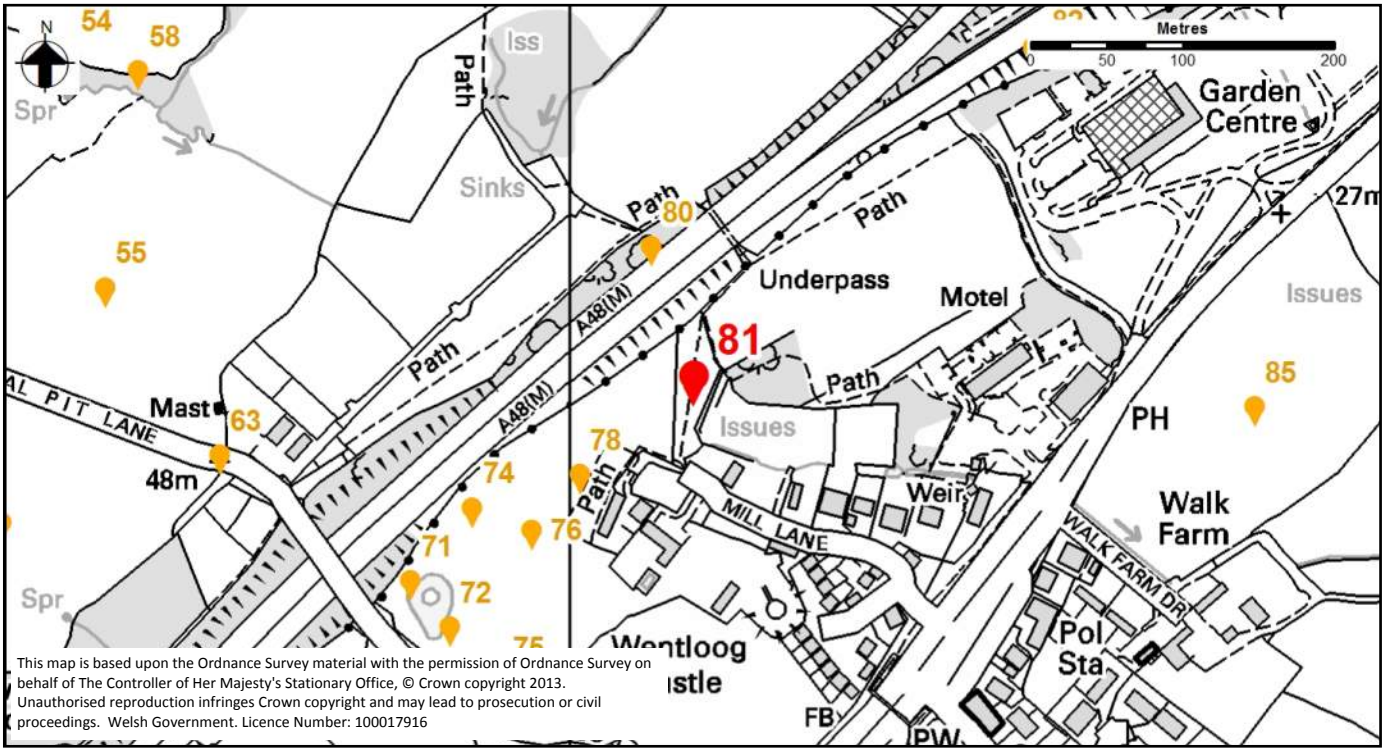

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	82	Date:	16-10-2014 15:41	GPS:	51.55, -3.08

Dominant Habitats:

Woodland

Target Note:

Mammal pathways through woodland that is not used by public.

Potential for Protected Species:

Target Note Location Map:

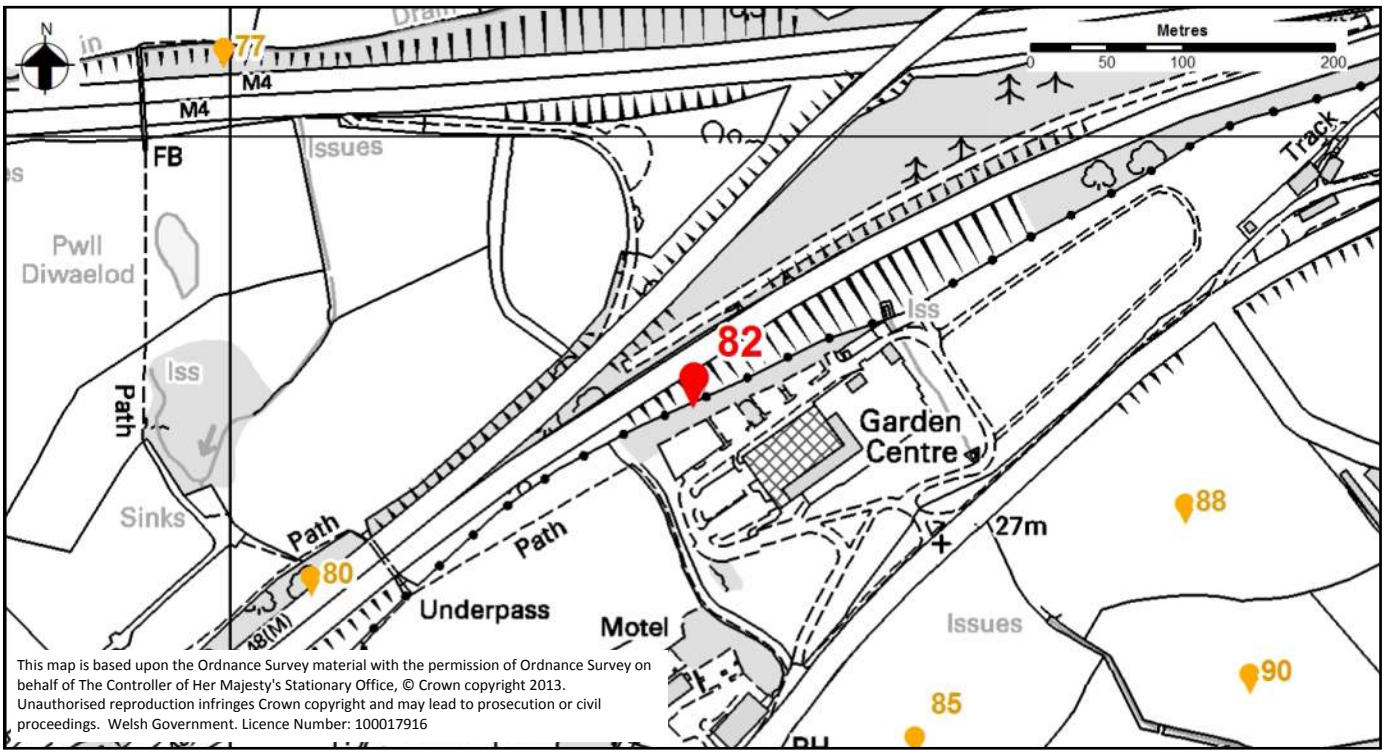

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	83	Date:	11-06-2014 12:57	GPS:	51.56, -3.08

Dominant Habitats:

Scrub

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

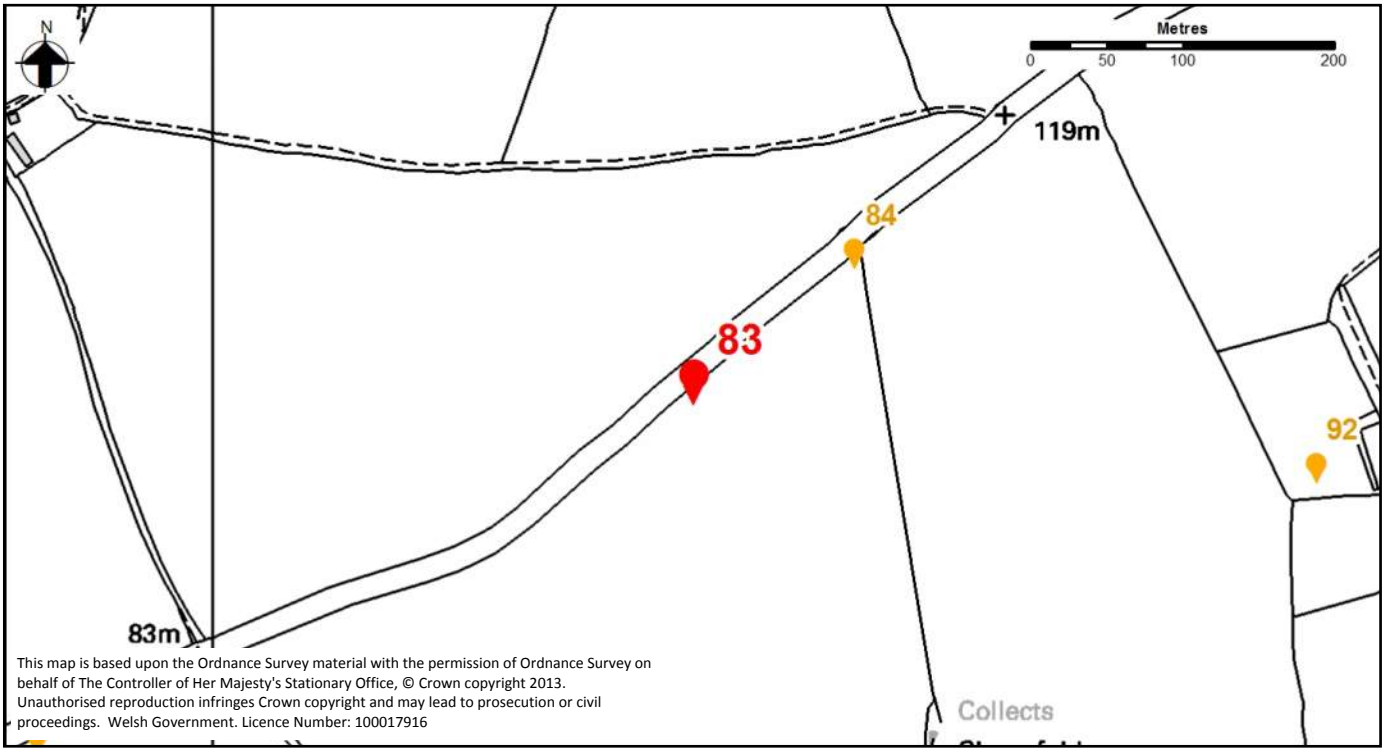

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	84	Date:	11-06-2014 12:53	GPS:	51.56, -3.08

Dominant Habitats:

Improved grassland/tall ruderal

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

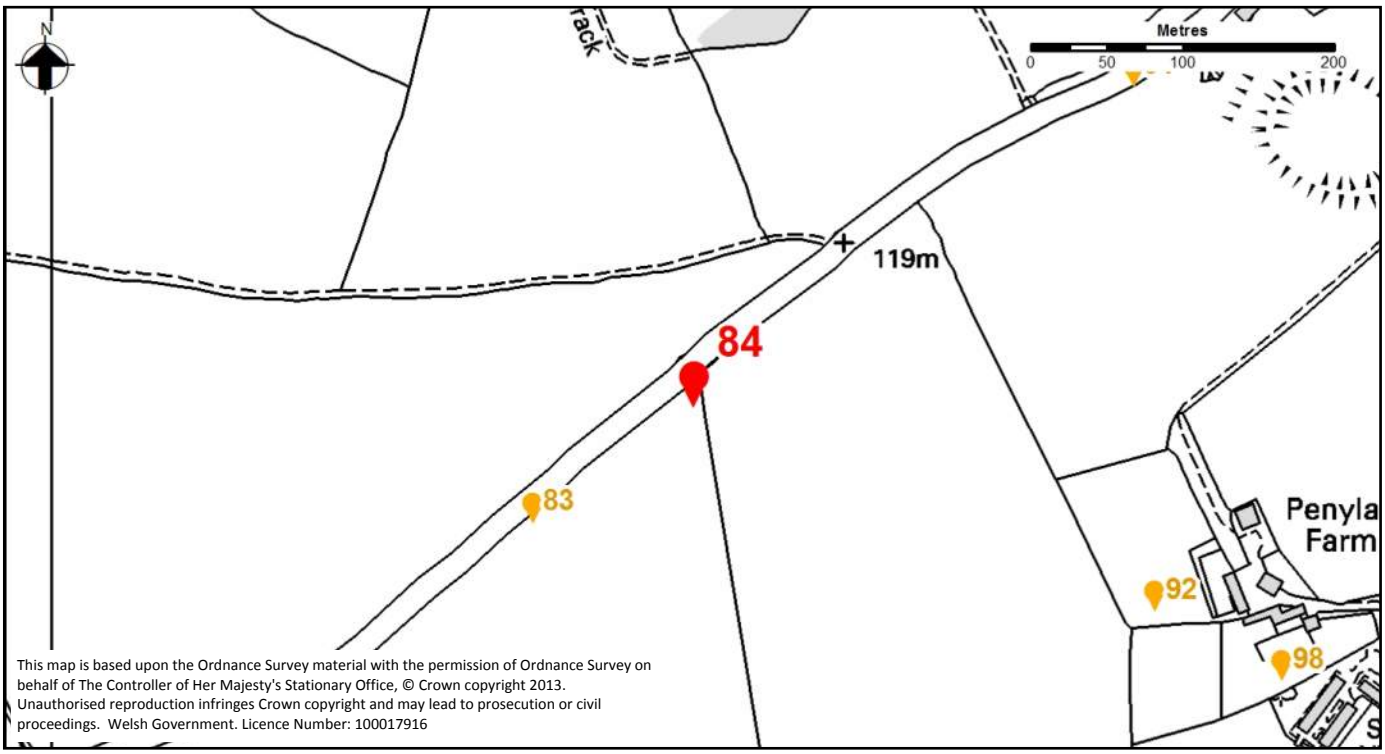

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	85	Date:		GPS:	51.55, -3.08

Dominant Habitats:

Target Note:

Cattle grazed, red clover, white clover, hawksbit sp, creeping buttercup, ribwort plantain, cock's foot, pineapple weed, greater plantain, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

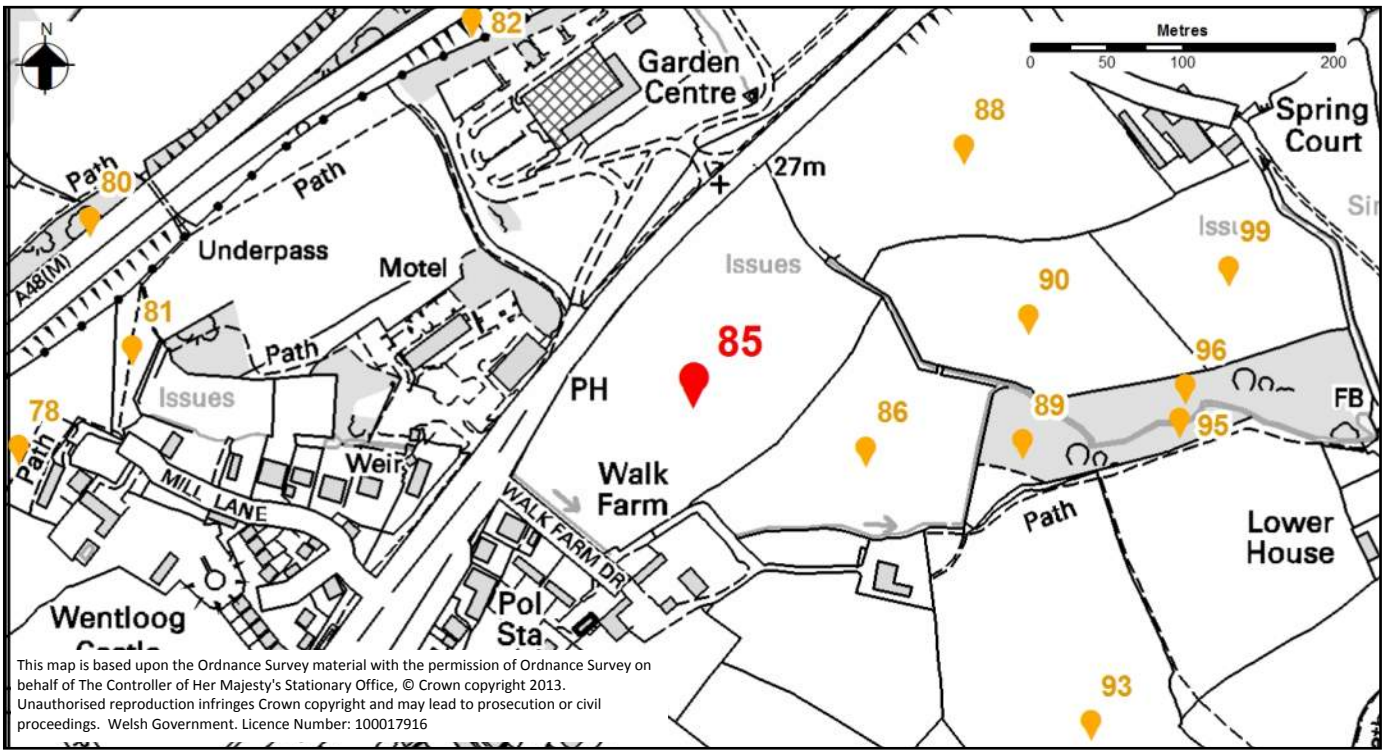

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	86	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, hawksbit sp, creeping buttercup, ribwort plantain, cock's foot, pineapple weed, greater plantain, bloody cranesbill, stitchwort sp, heath bedstraw, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

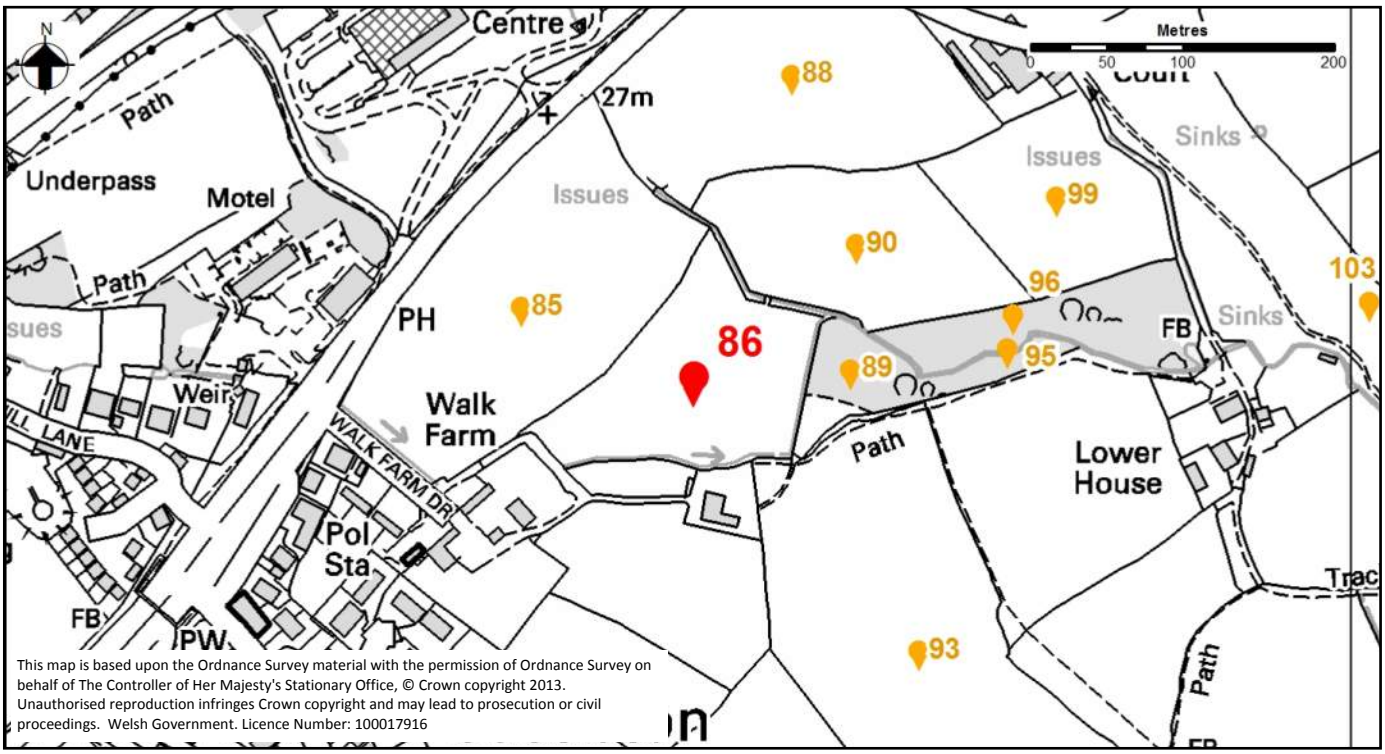

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	87	Date:	11-06-2014 12:10	GPS:	51.55, -3.07

Dominant Habitats:

Fenceline/scrub

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

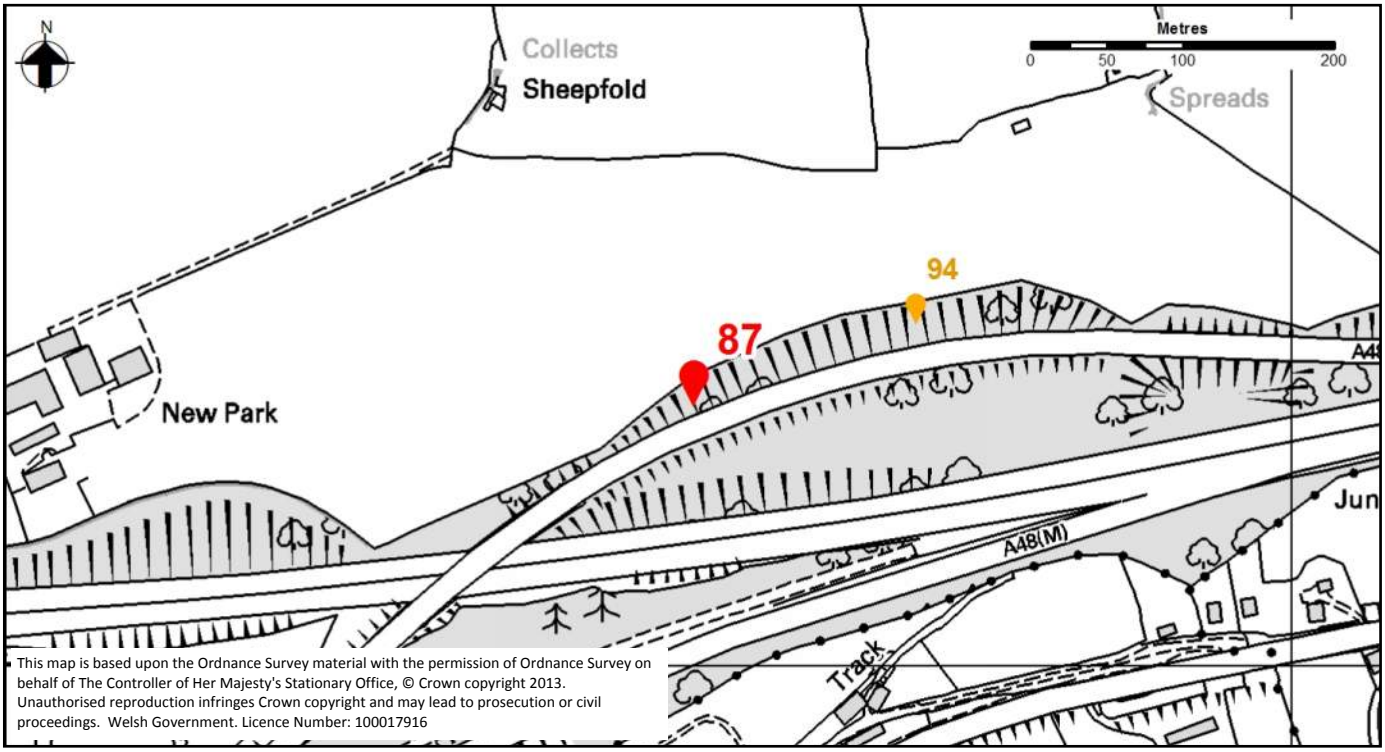

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	88	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, dandelion, creeping buttercup, ribwort plantain, cock's foot, greater plantain, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

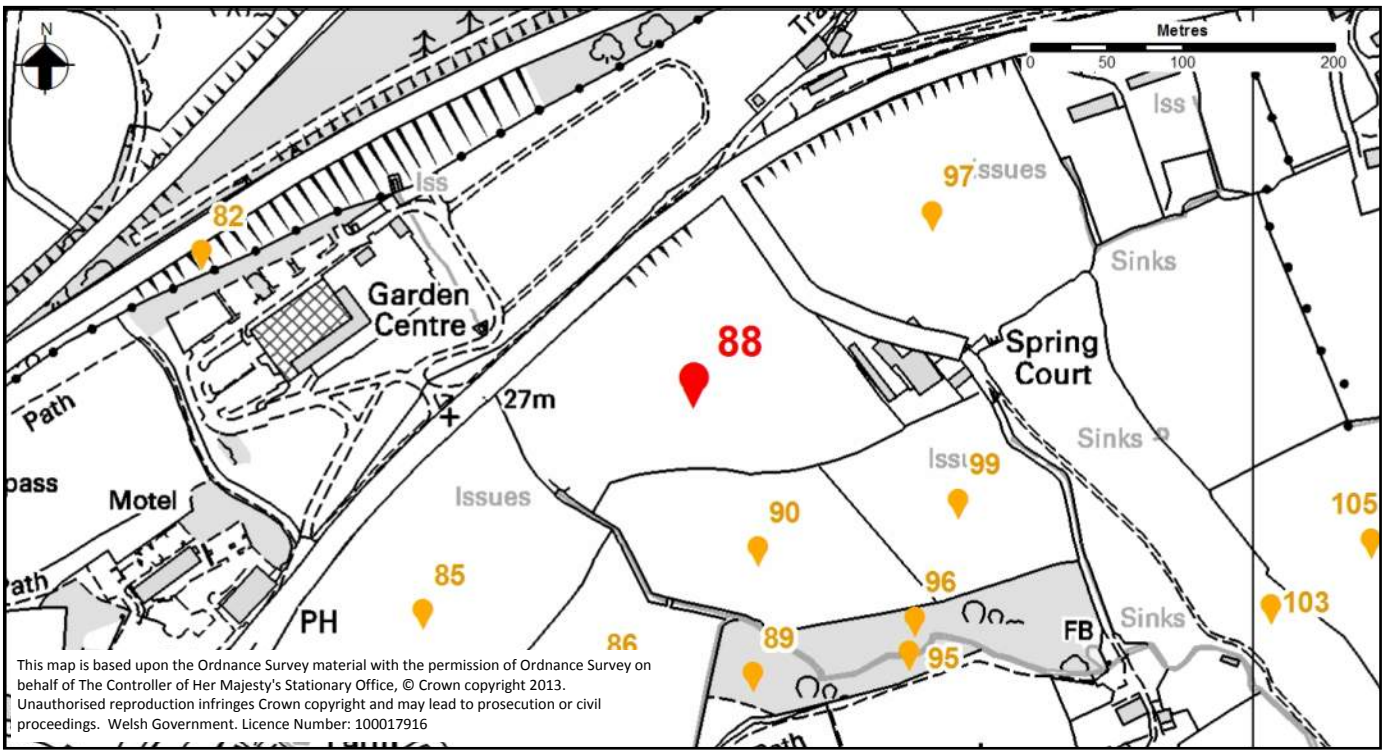

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	89	Date:	21-10-2014	GPS:	51.55, -3.07

Dominant Habitats:

Woodland rubble compost heap

Target Note:

Possible reptile refugia

Potential for Protected Species:

Reptiles

Target Note Location Map:

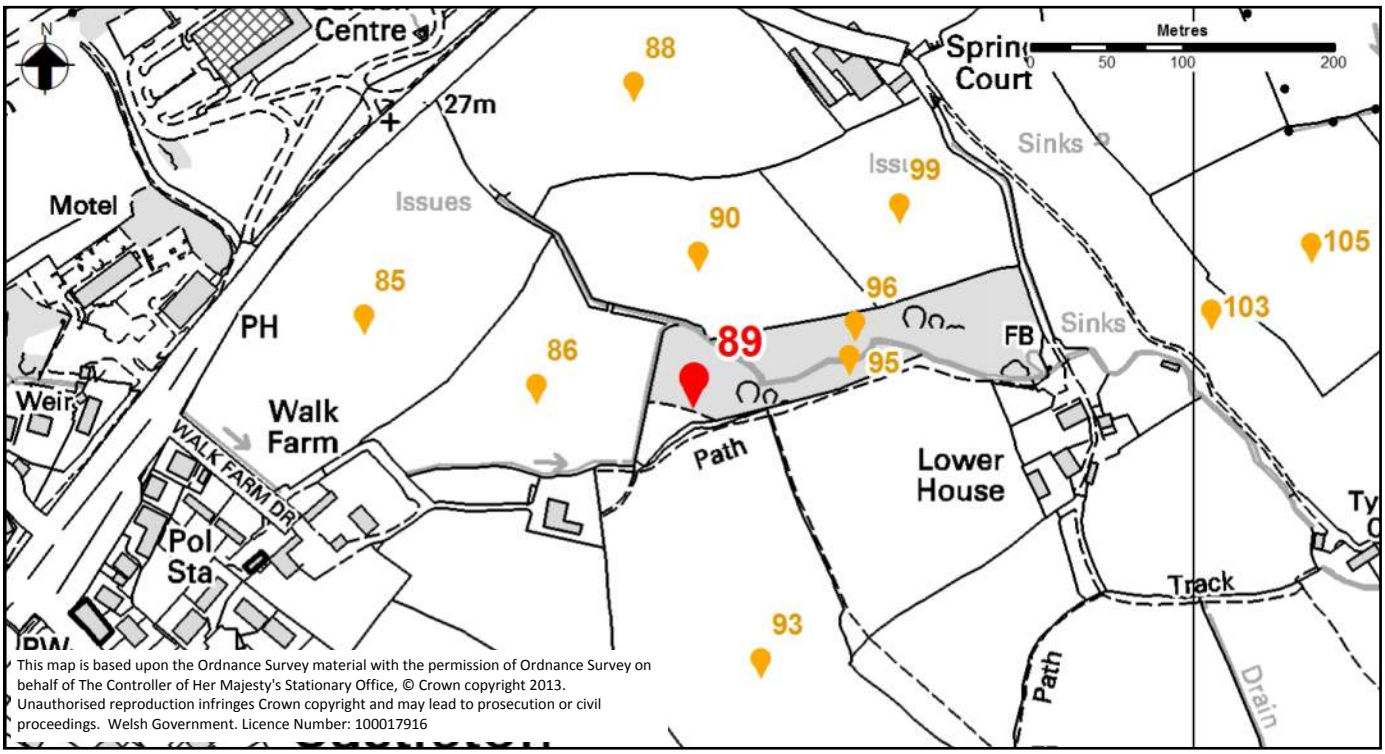

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	90	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, creeping buttercup, ribwort plantain, cock's foot, greater plantain, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

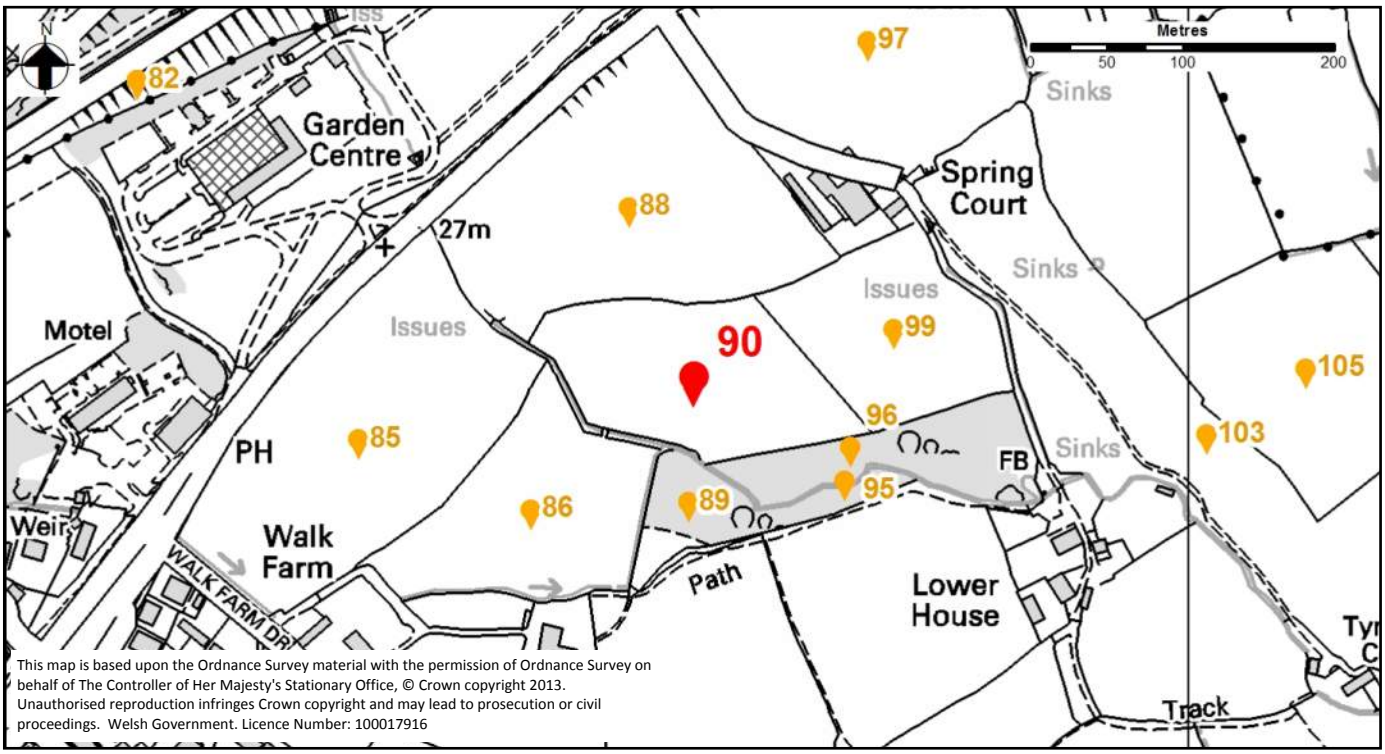

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	91	Date:		GPS:	51.56, -3.07

Dominant Habitats:

Target Note:

Oak, hawthorn, field maple, hazel, rowan, beech

Potential for Protected Species:

Target Note Location Map:

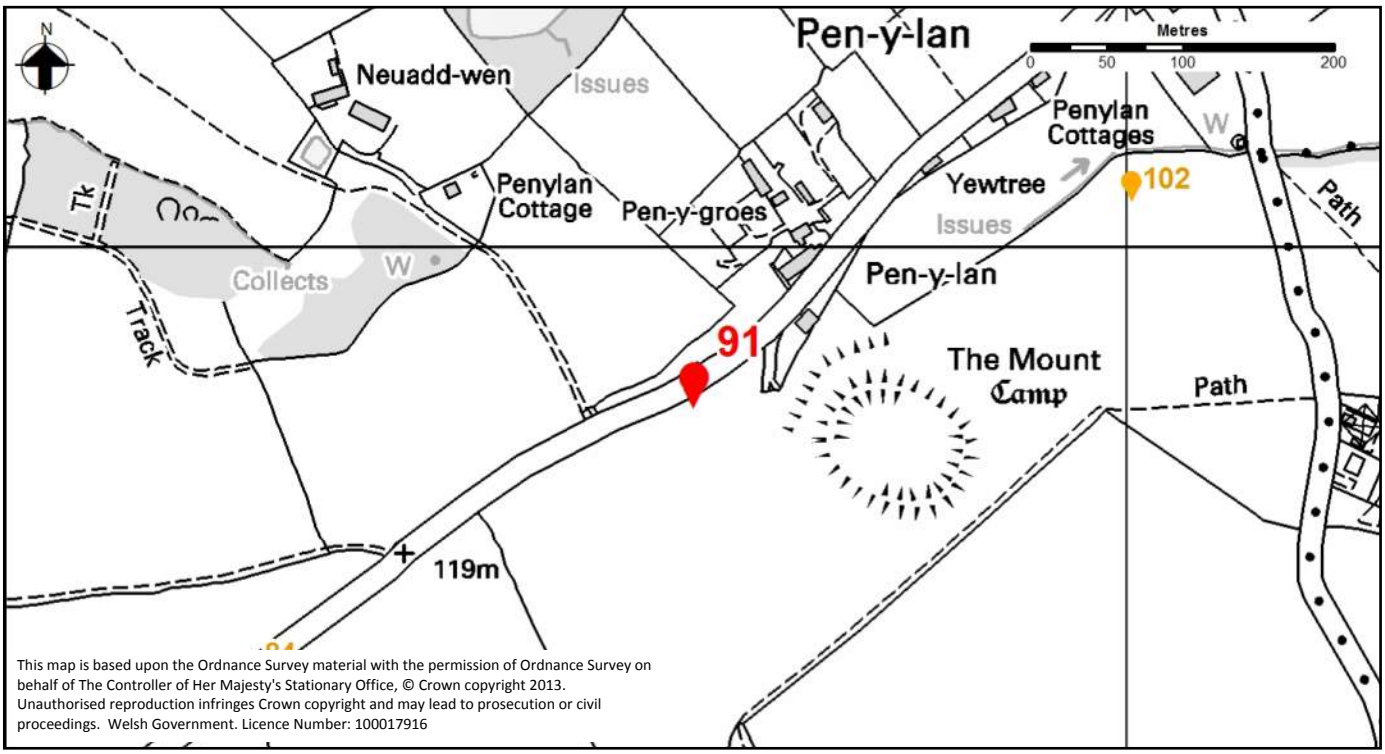

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	92	Date:		GPS:	51.56, -3.07

Dominant Habitats:

Target Note:

Common nettle, bramble, cock's foot, narrow leaved dock, perennial ryegrass, hogweed, yarrow, cleavers, ribwort

Potential for Protected Species:

Target Note Location Map:

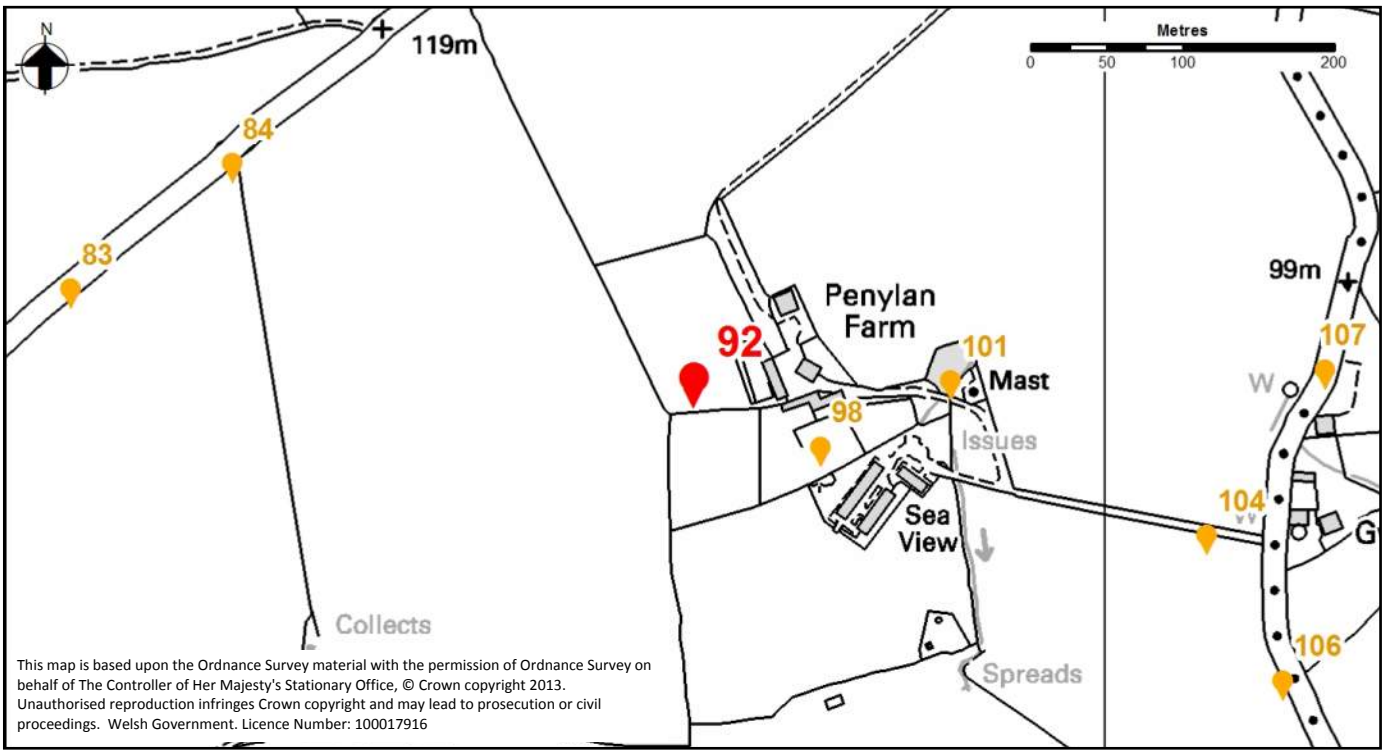

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	93	Date:		GPS:	51.54, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, hawksbit sp, creeping buttercup, ribwort plantain, cocksfoot, greater plantain, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

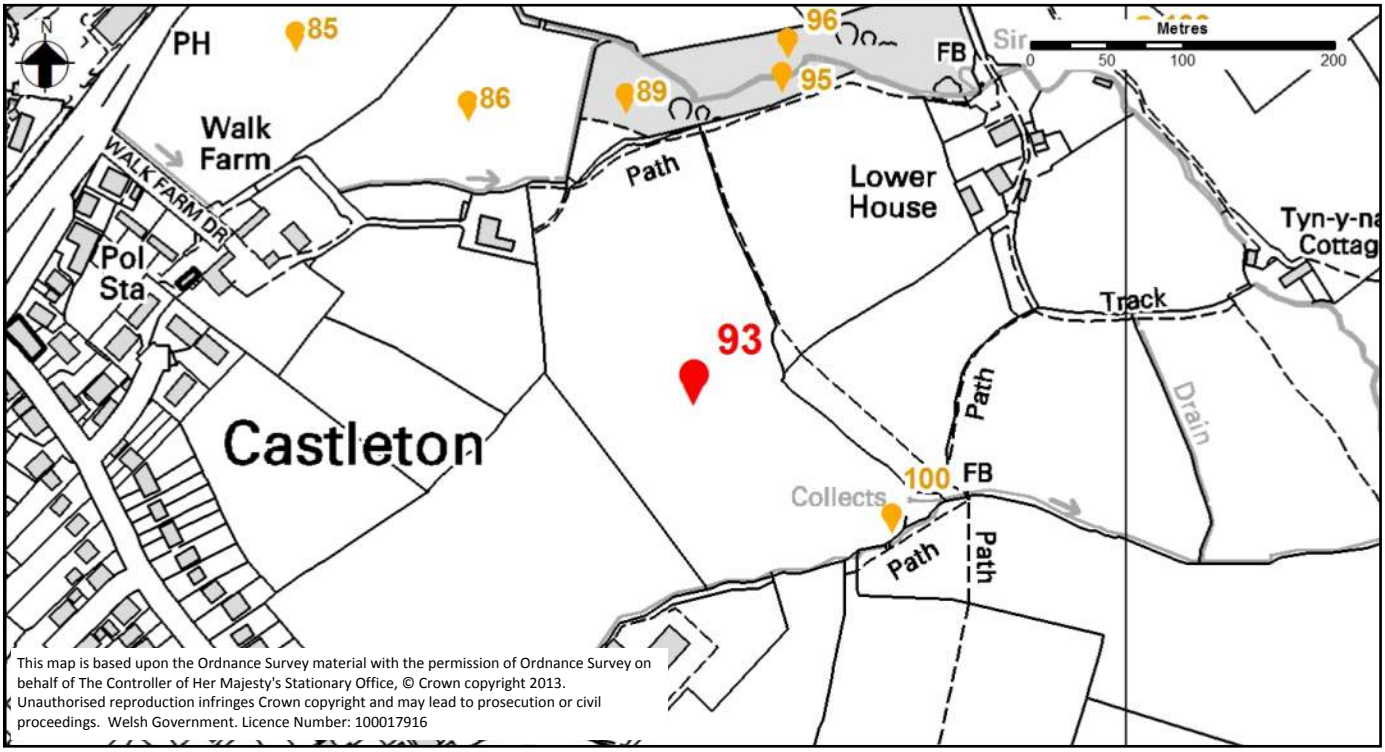

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	94	Date:	10-06-2014 16:23	GPS:	51.55, -3.07

Dominant Habitats:

Arable/woodland

Target Note:

Mammal pathway leading into mixed woodland, then leading into arable field, under fencing.

Potential for Protected Species:

Target Note Location Map:

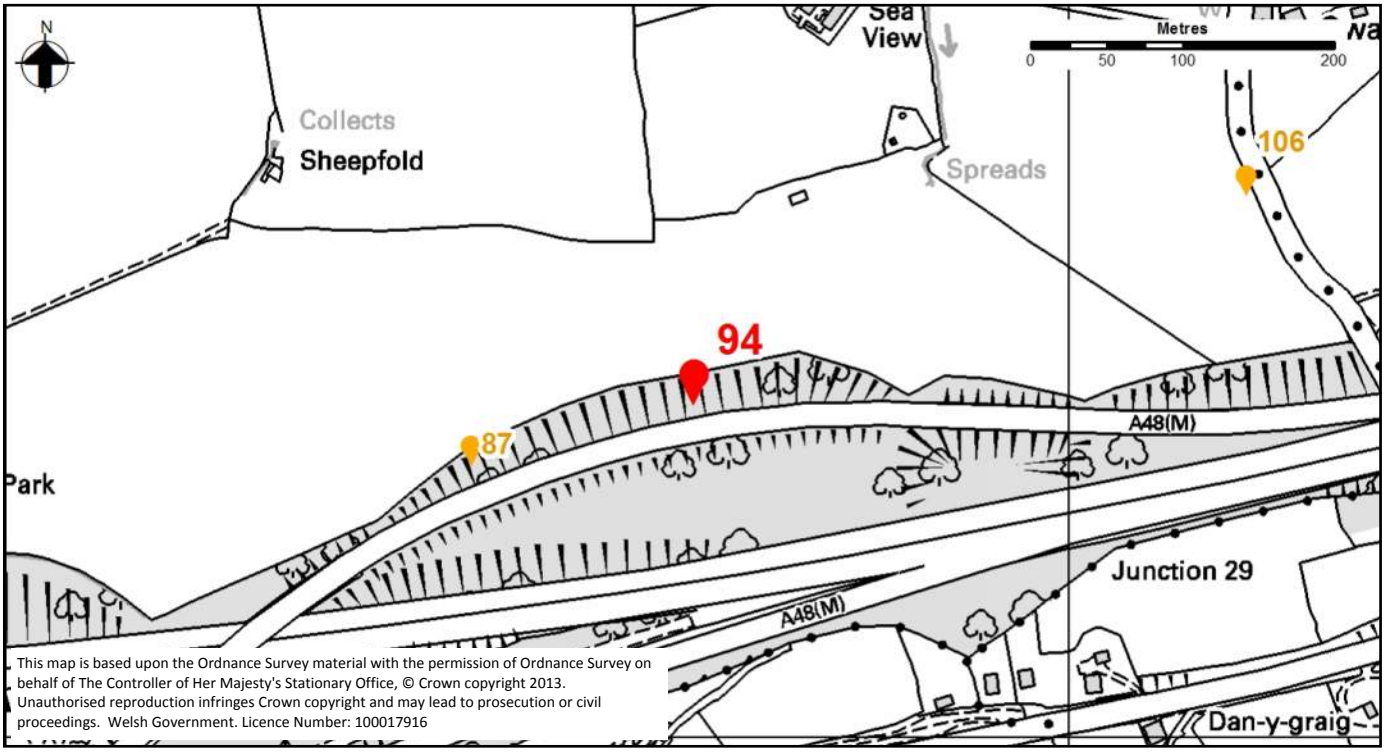

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	95	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Willow, alder, beech, pendunculate oak, holly, fig, sycamore, ash, hazel, elm, foxglove, hedge bindweed

Potential for Protected Species:

Target Note Location Map:

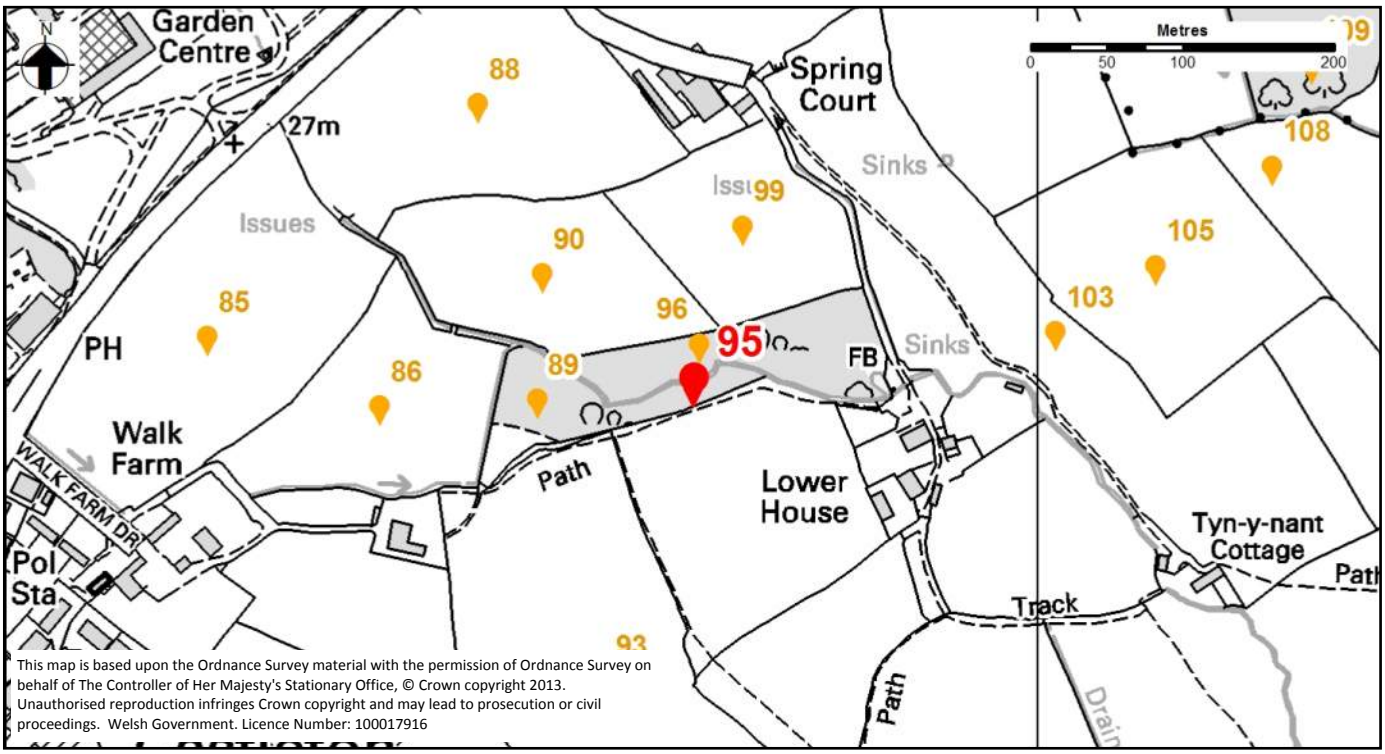

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	96	Date:	15-07-2014	GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Dead hedgehog

Potential for Protected Species:

Target Note Location Map:

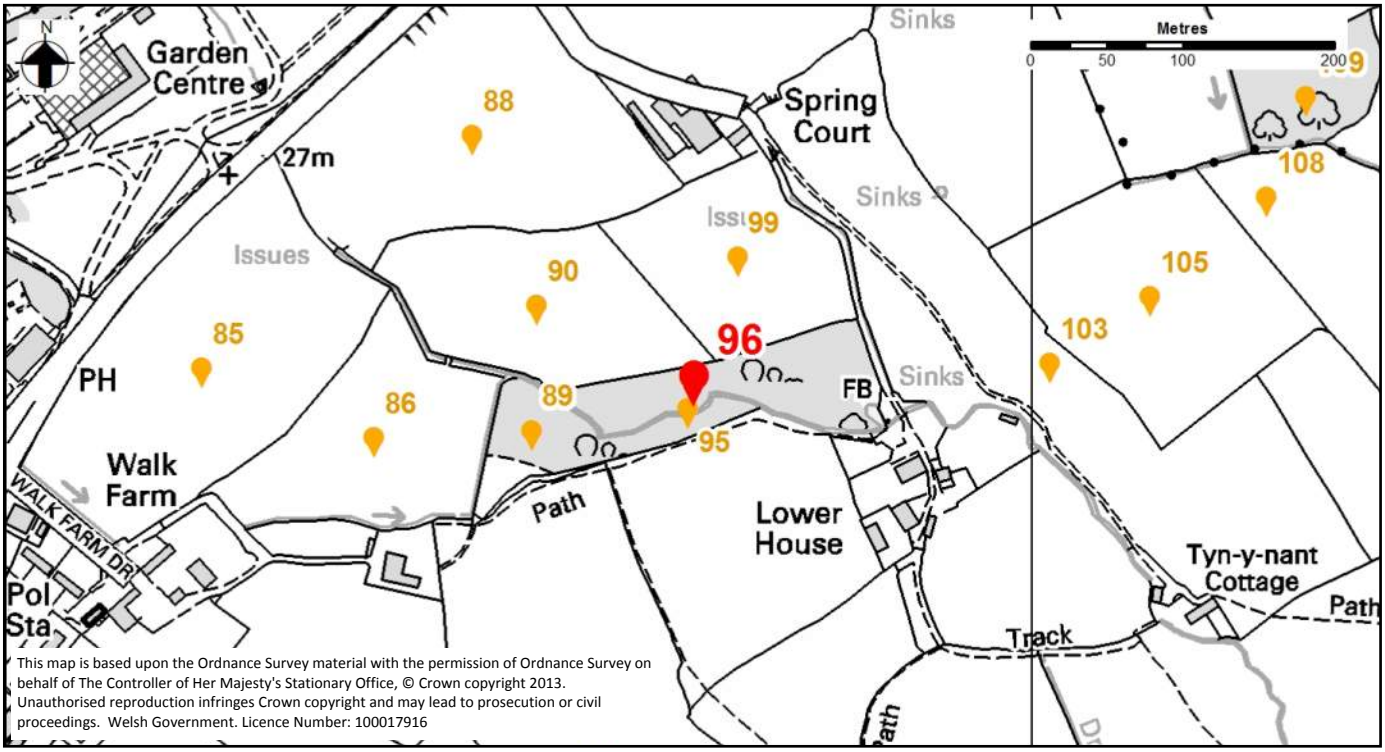

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	97	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, creeping buttercup, ribwort plantain, cocksfoot, greater plantain, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

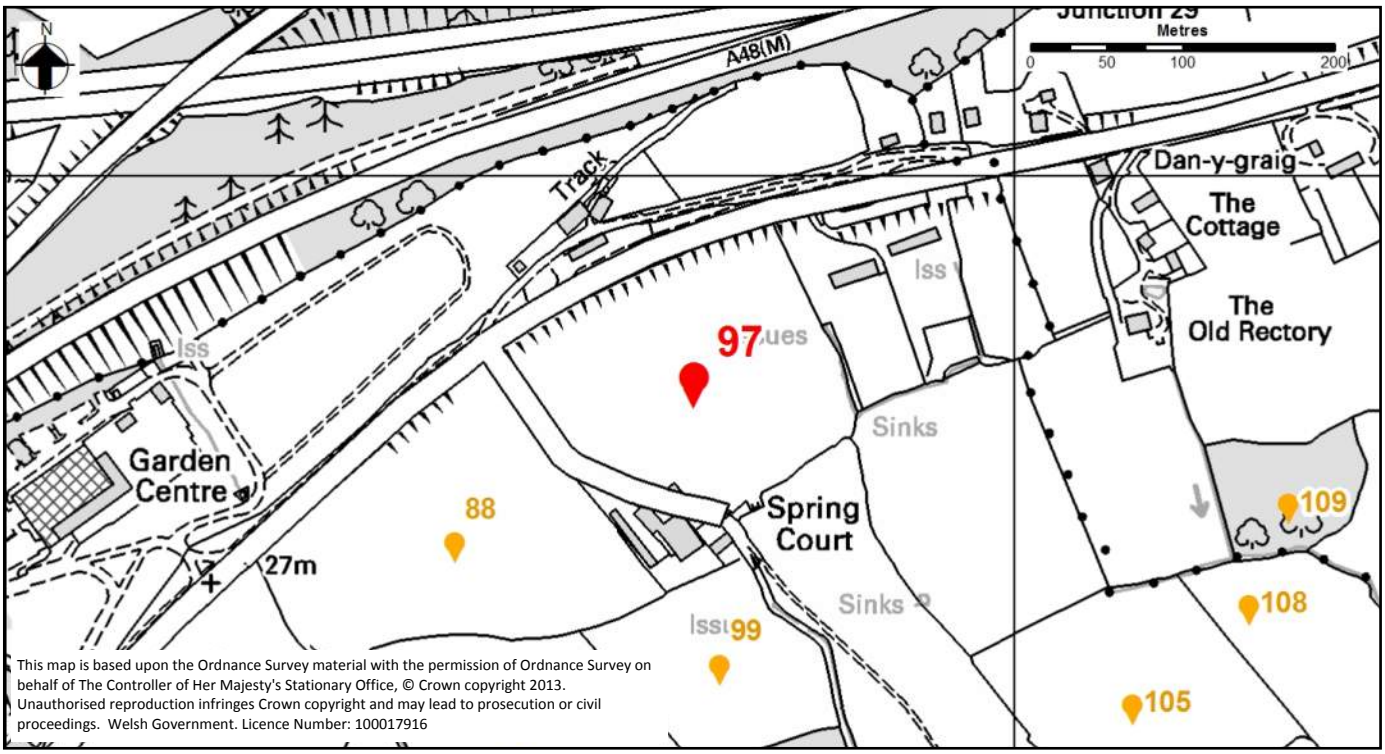

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	98	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Ribwort plantain, narrow leaved dock, red and white clover, Juncus sp., coltsfoot, kidney vetch, evening primrose

Potential for Protected Species:

Target Note Location Map:

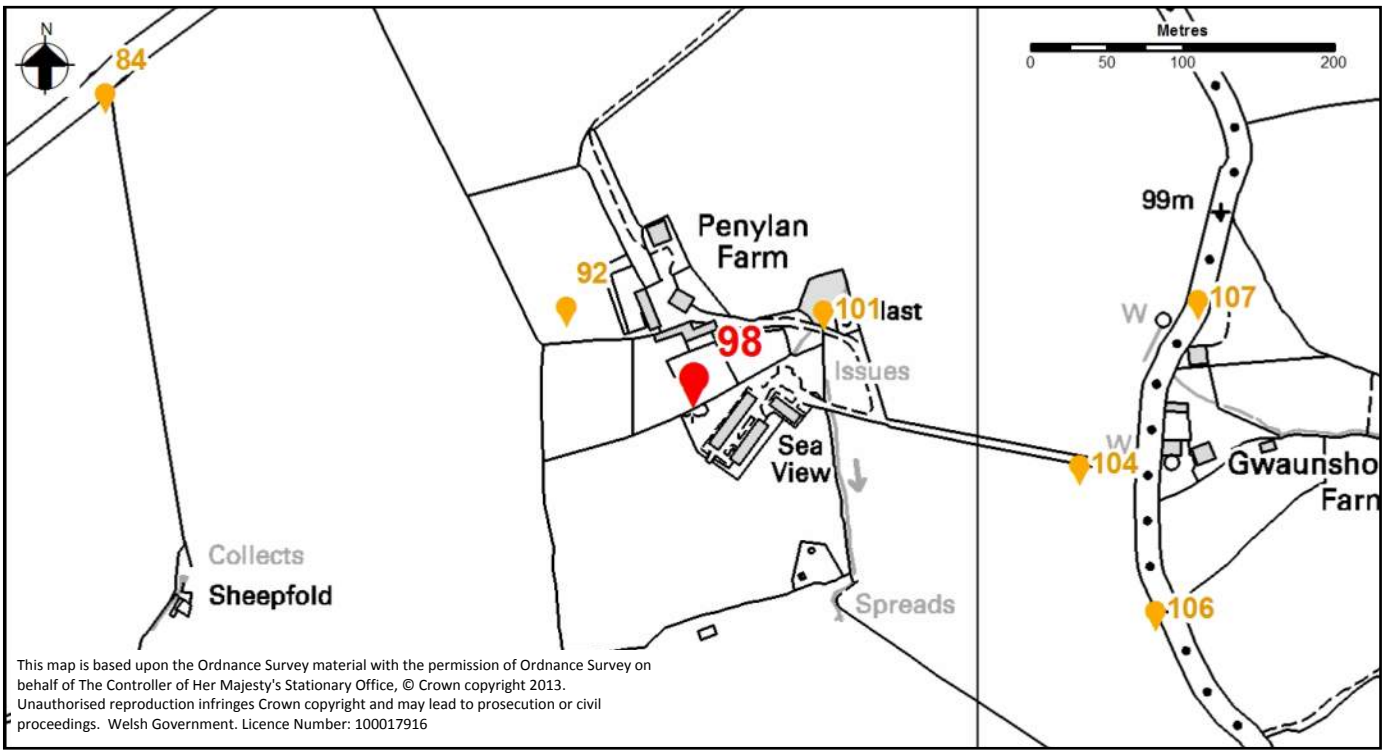

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	99	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, creeping buttercup, ribwort plantain, cocksfoot, greater plantain, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

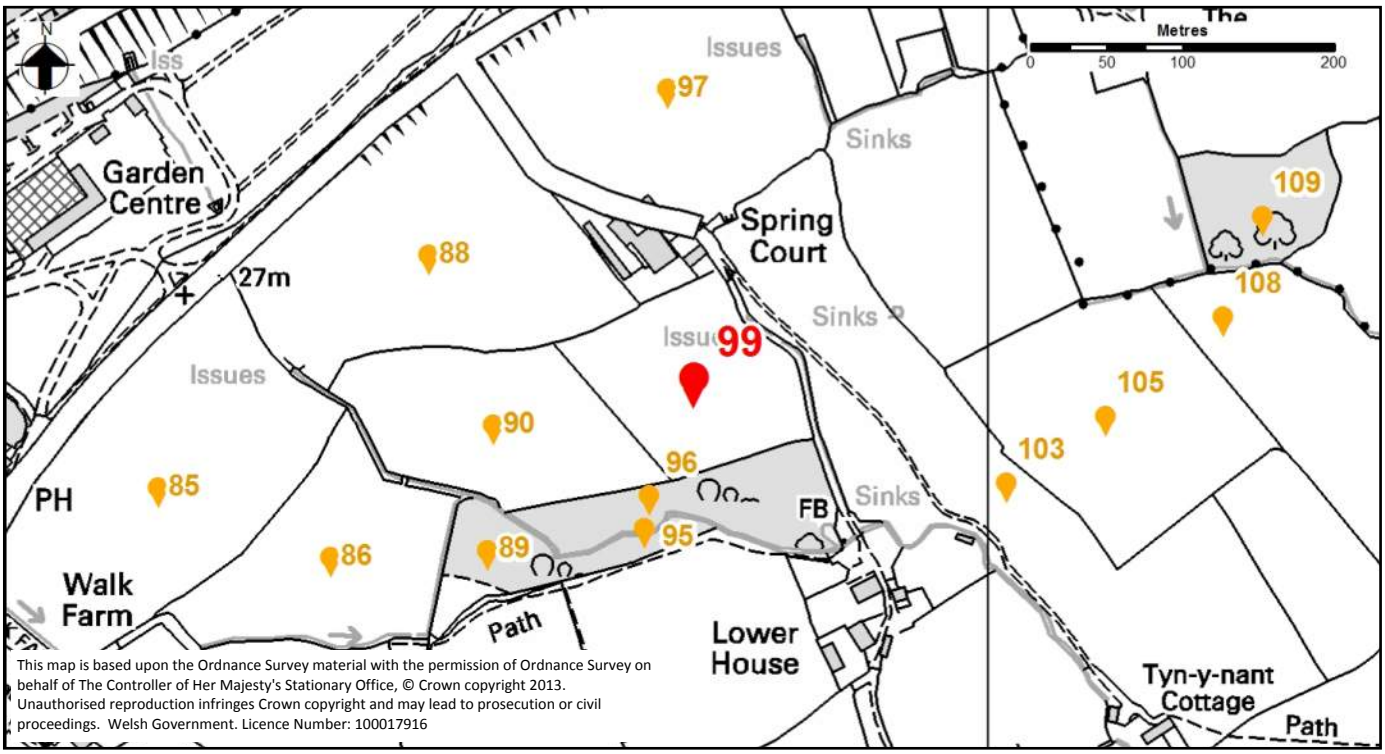

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	100	Date:		GPS:	51.54, -3.07

Dominant Habitats:

Target Note:

Spear thistle, common nettle, cock's foot, thistle sp, bramble, hogweed

Potential for Protected Species:

Target Note Location Map:

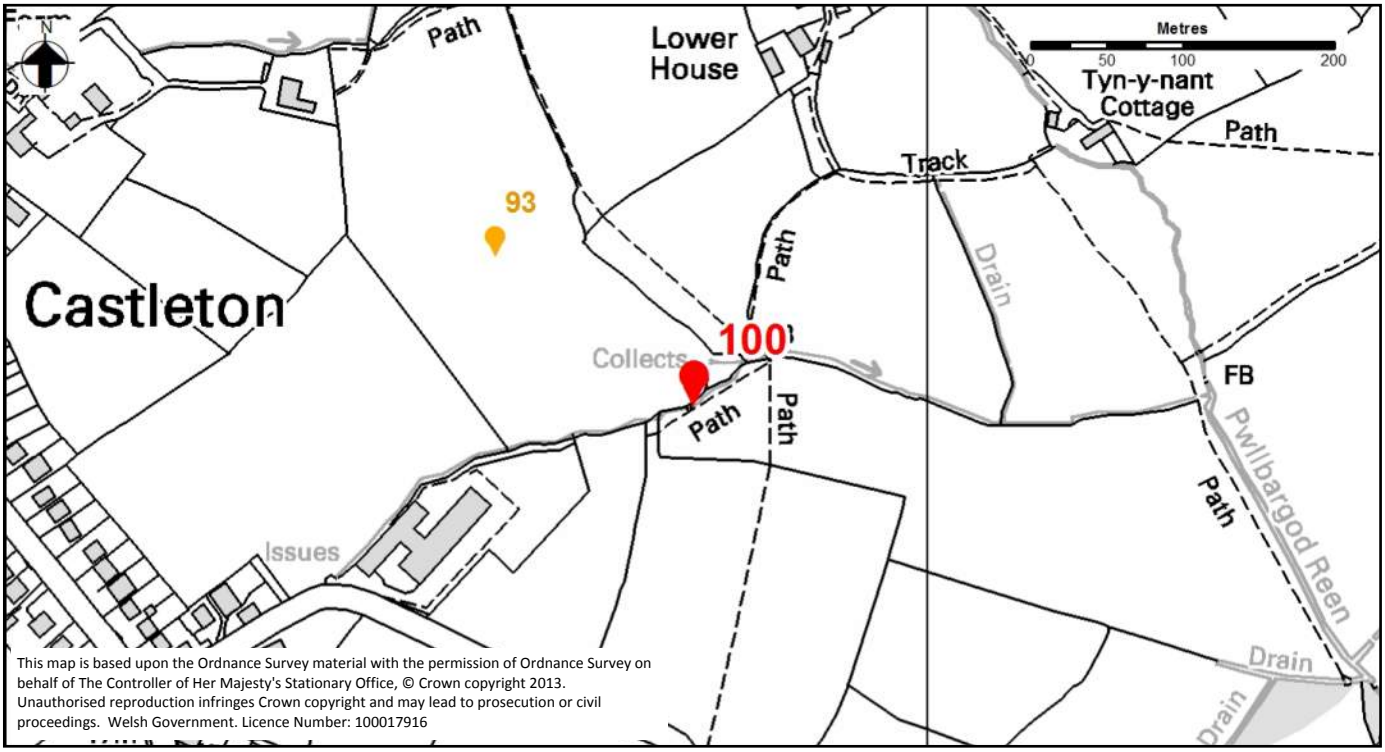

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	101	Date:		GPS:	51.56, -3.07

Dominant Habitats:

Target Note:

Hazel, ash, sycamore, pendunculate oak, hawthorn, nettle, cleavers, ivy, herb robert, horse chestnut

Potential for Protected Species:

Target Note Location Map:

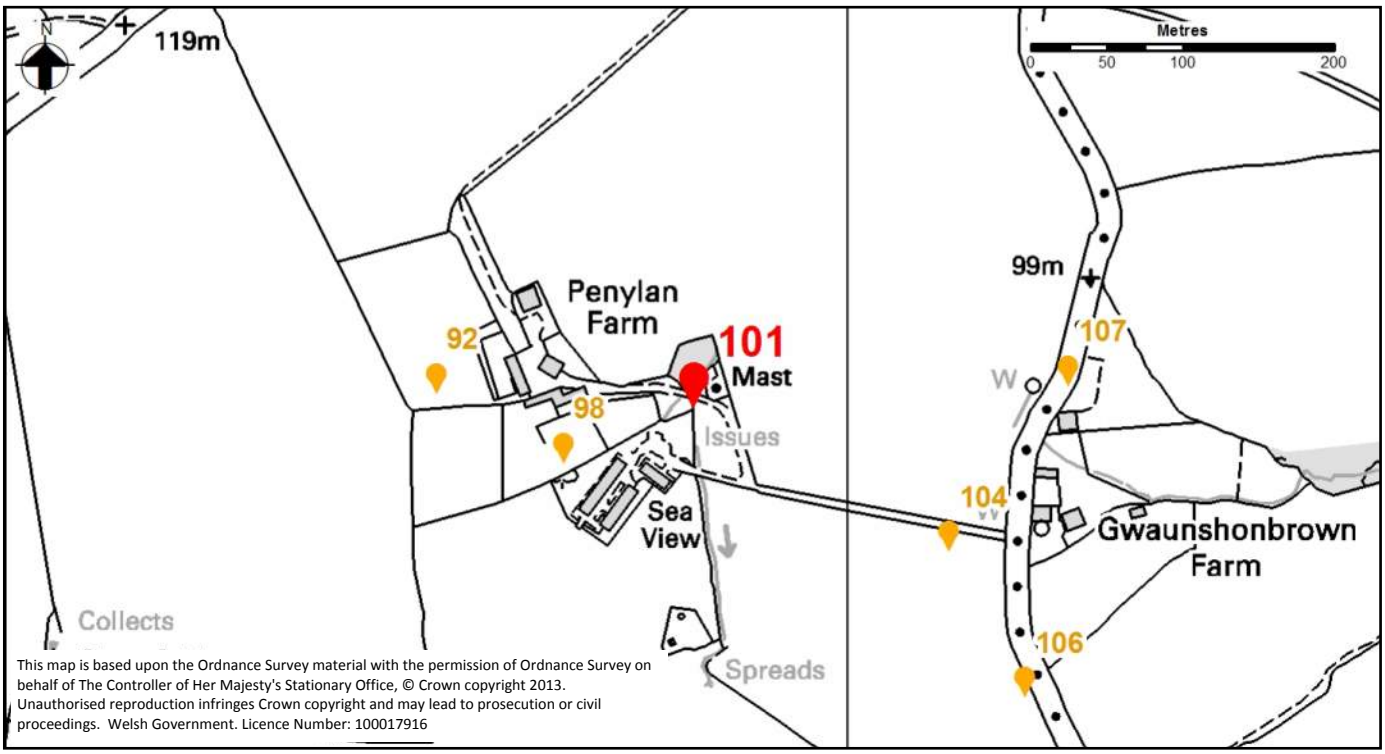

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	102	Date:		GPS:	51.56, -3.07

Dominant Habitats:

Target Note:

Holly, beech, hawthorn, rowan, oak, hazel

Potential for Protected Species:

Target Note Location Map:

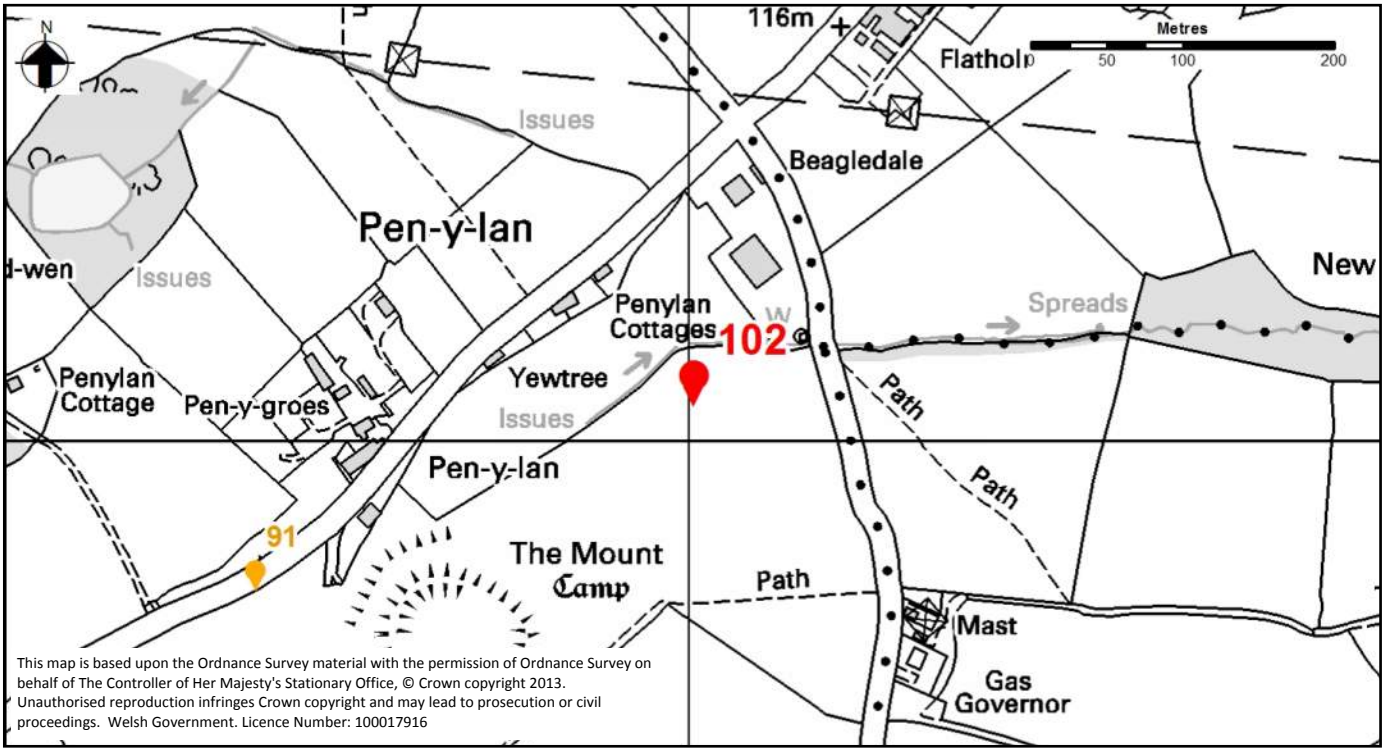

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	103	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Timothy grass, red clover, white clover, hawksbit sp, creeping buttercup, ribwort plantain, cock's foot, greater plantain, perennial ryegrass, stitchwort sp.

Potential for Protected Species:

Target Note Location Map:

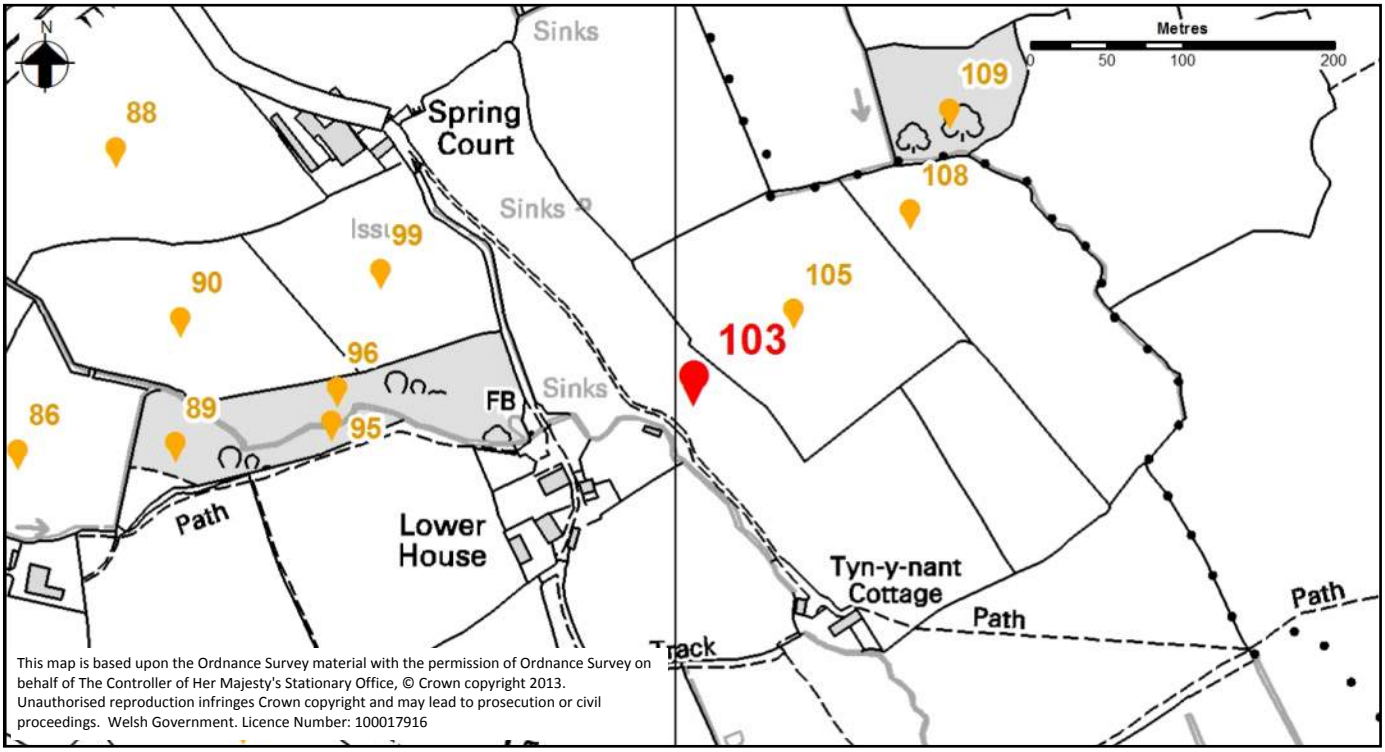

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	104	Date:	10-06-2014 15:46	GPS:	51.55, -3.07

Dominant Habitats:

Hedgerow

Target Note:

Mammal pathway through hedgerow

Potential for Protected Species:

Target Note Location Map:

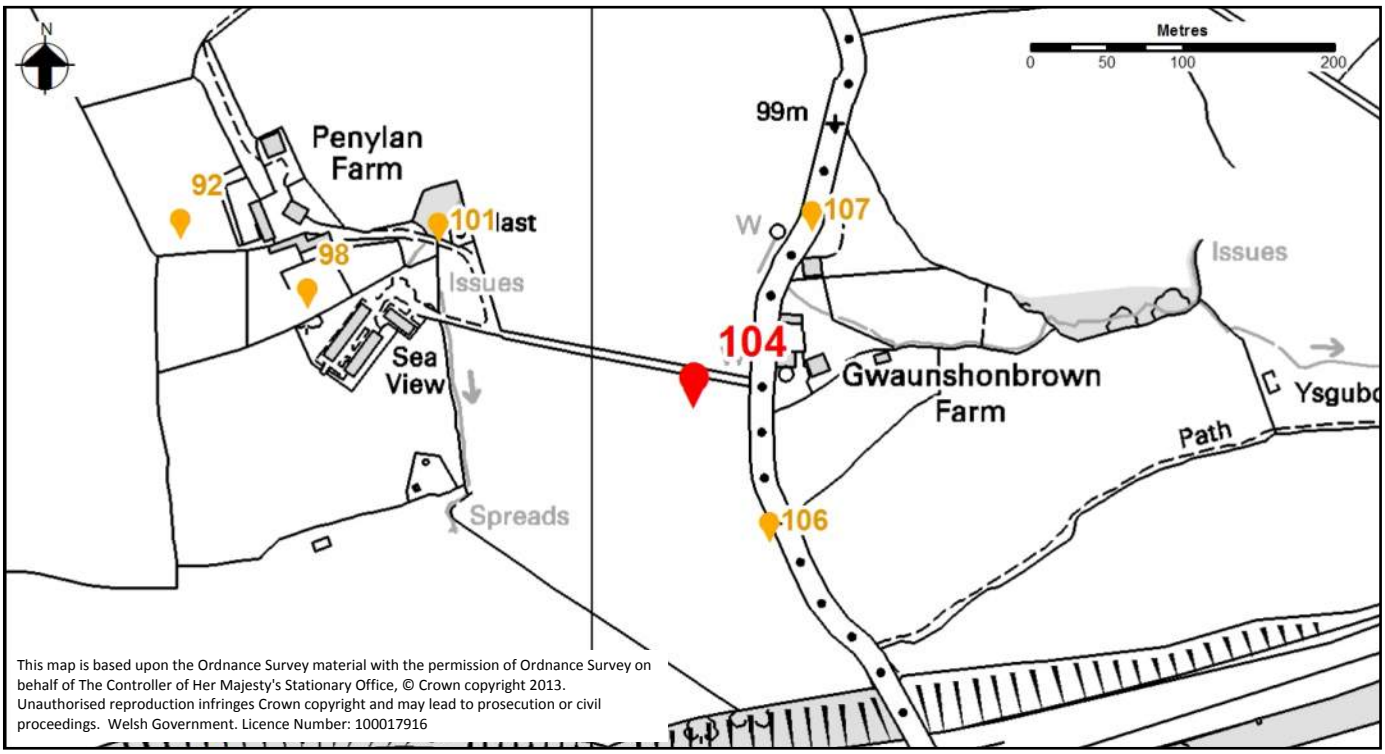

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	105	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

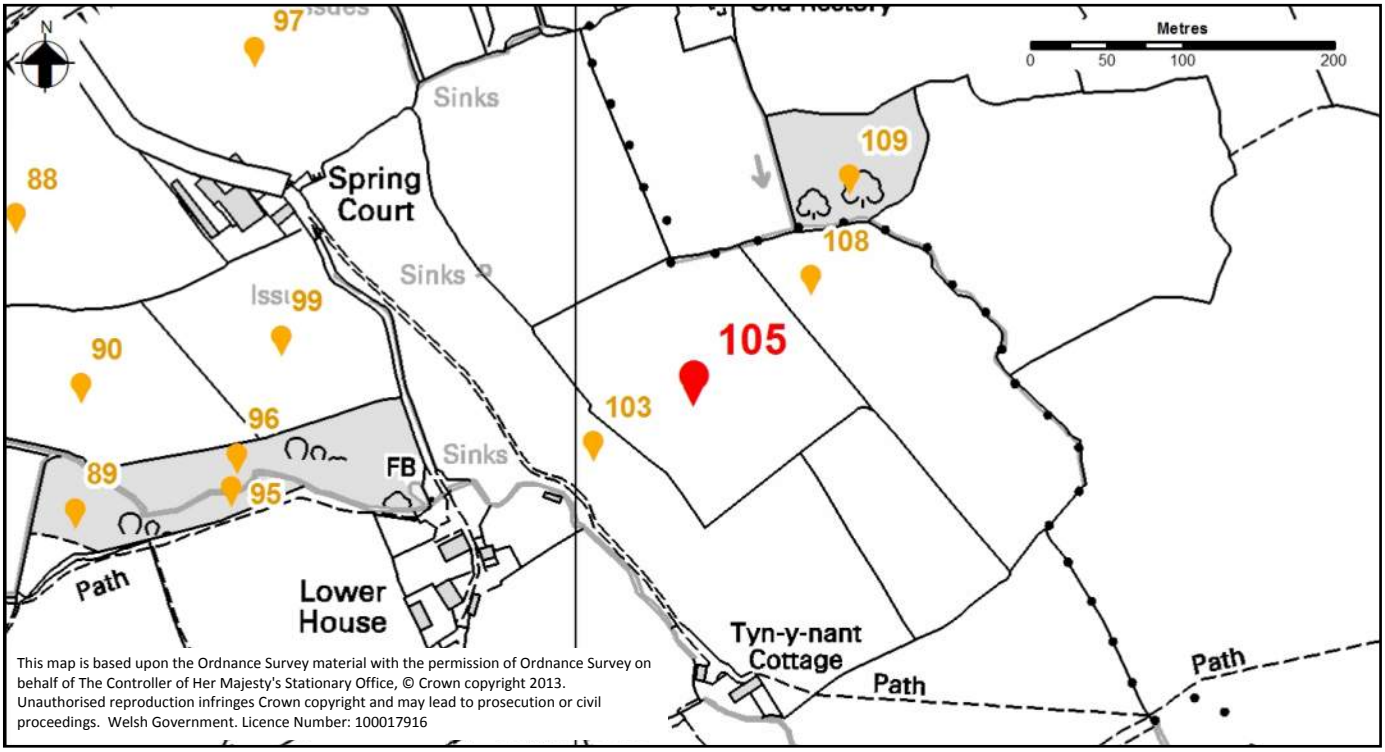

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	106	Date:	10-06-2014 15:16	GPS:	51.55, -3.07

Dominant Habitats:

Tall ruderal/hedgerow

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

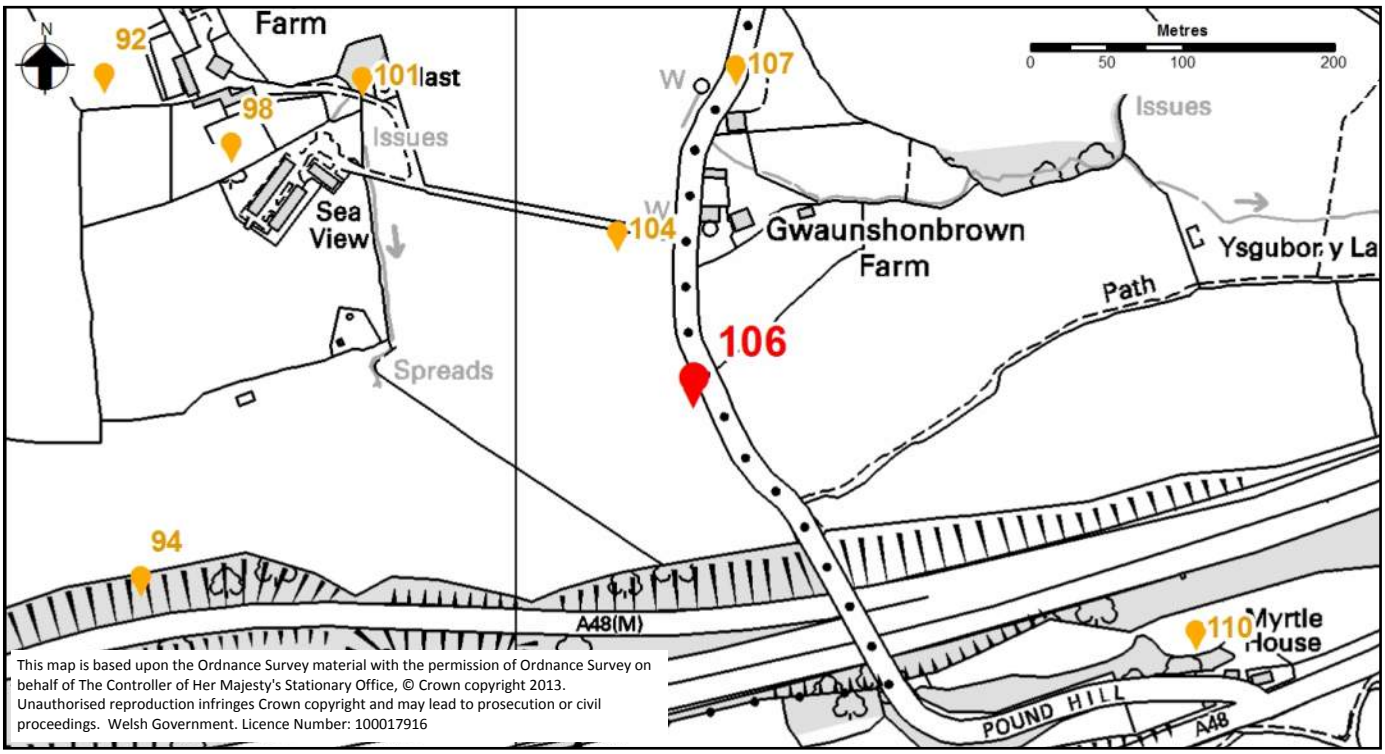

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	107	Date:		GPS:	51.56, -3.07

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Target Note:

Holly, oak, hazel, field mapel, beech,rowan

Target Note Location Map:

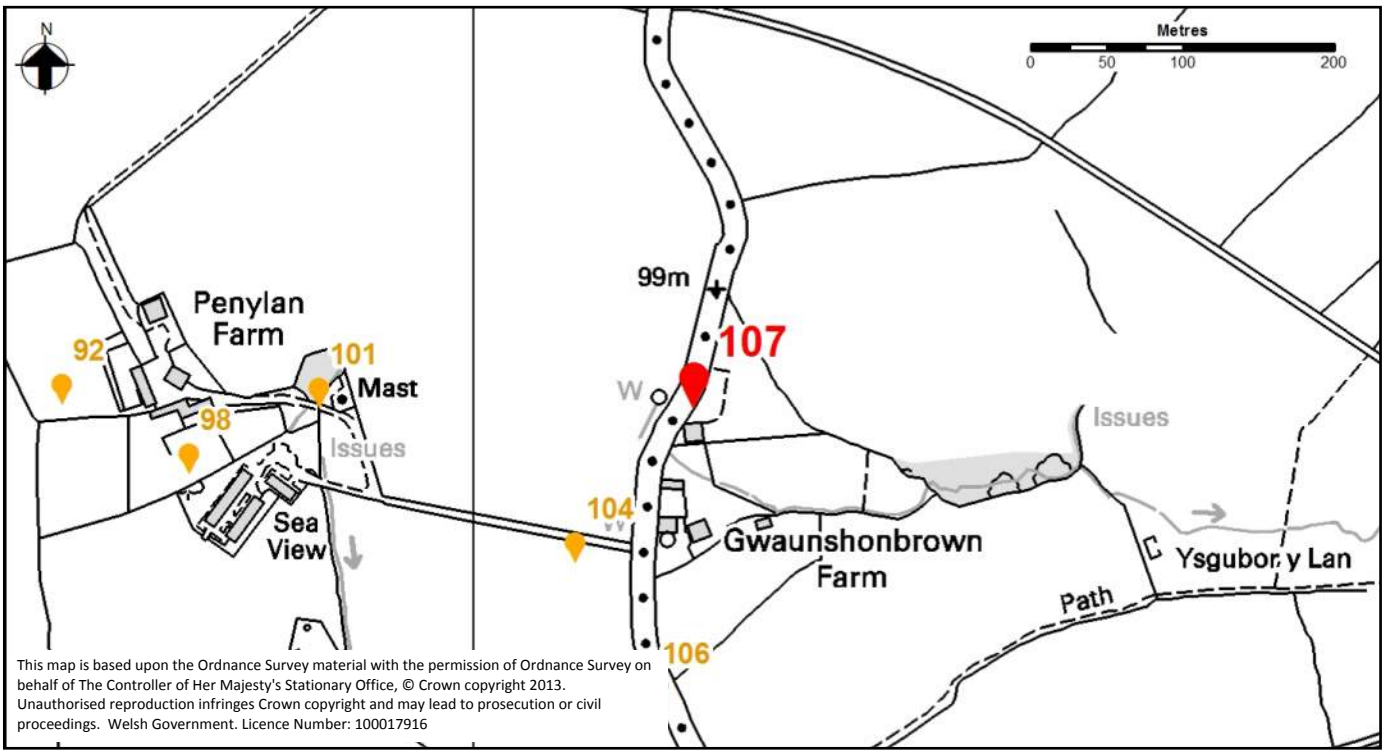

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	108	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Red clover, white clover, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

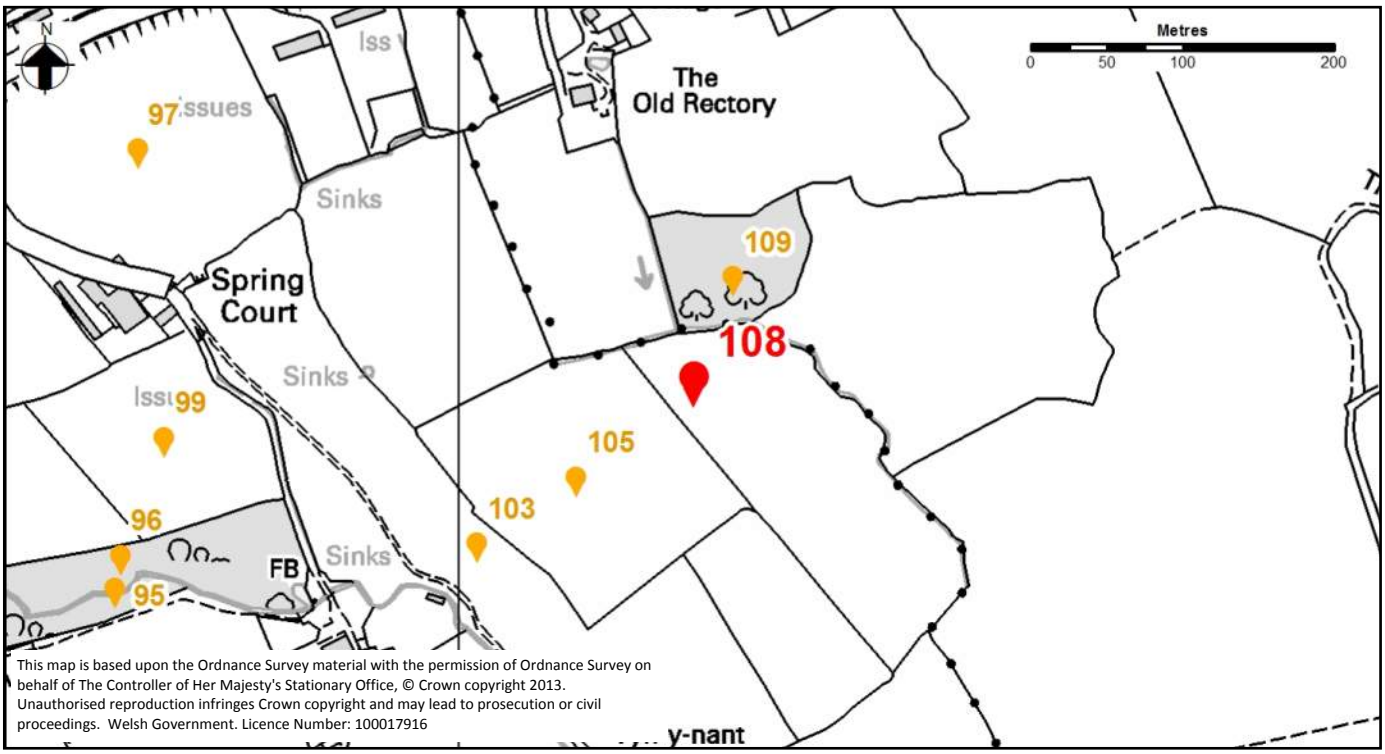

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	109	Date:		GPS:	51.55, -3.07

Dominant Habitats:

Target Note:

Hazel, pendunculate oak, ash

Potential for Protected Species:

Target Note Location Map:

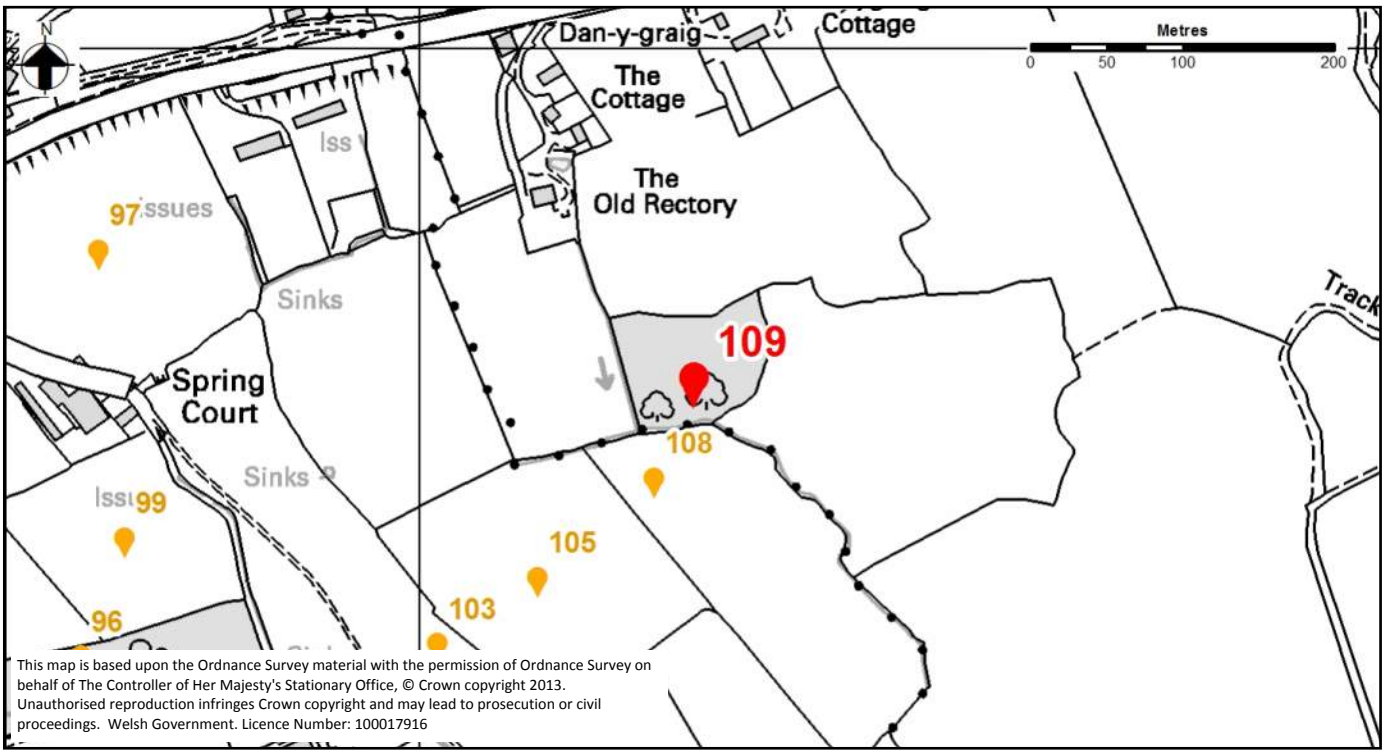

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	110	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Thistle sp., nettle, hedge bindweed, yellow loosestrife, meadow buttercup, ribwort plantain, oxeye daisy

Potential for Protected Species:

Target Note Location Map:

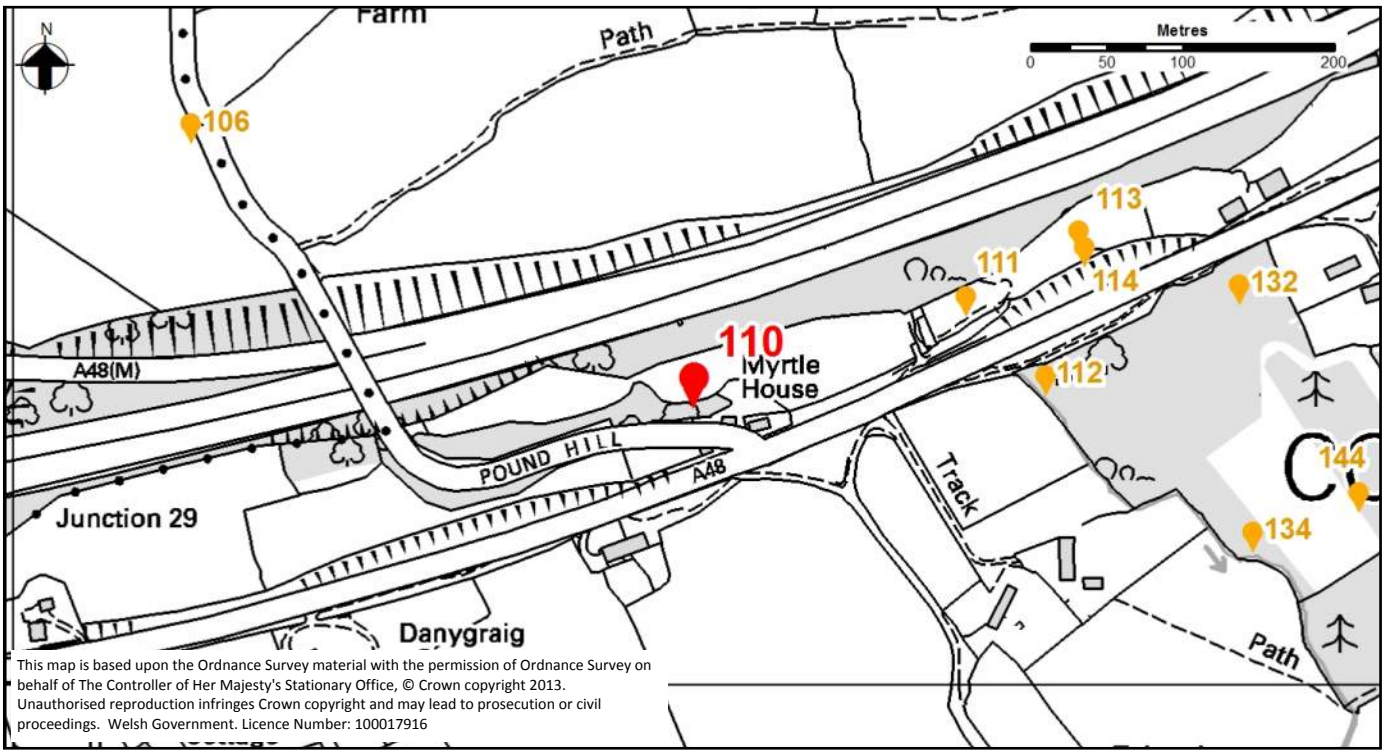

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	111	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Scarlet pimpernel, teasel, St John's wort, fleabane, ribwort plantain.

Potential for Protected Species:

Target Note Location Map:

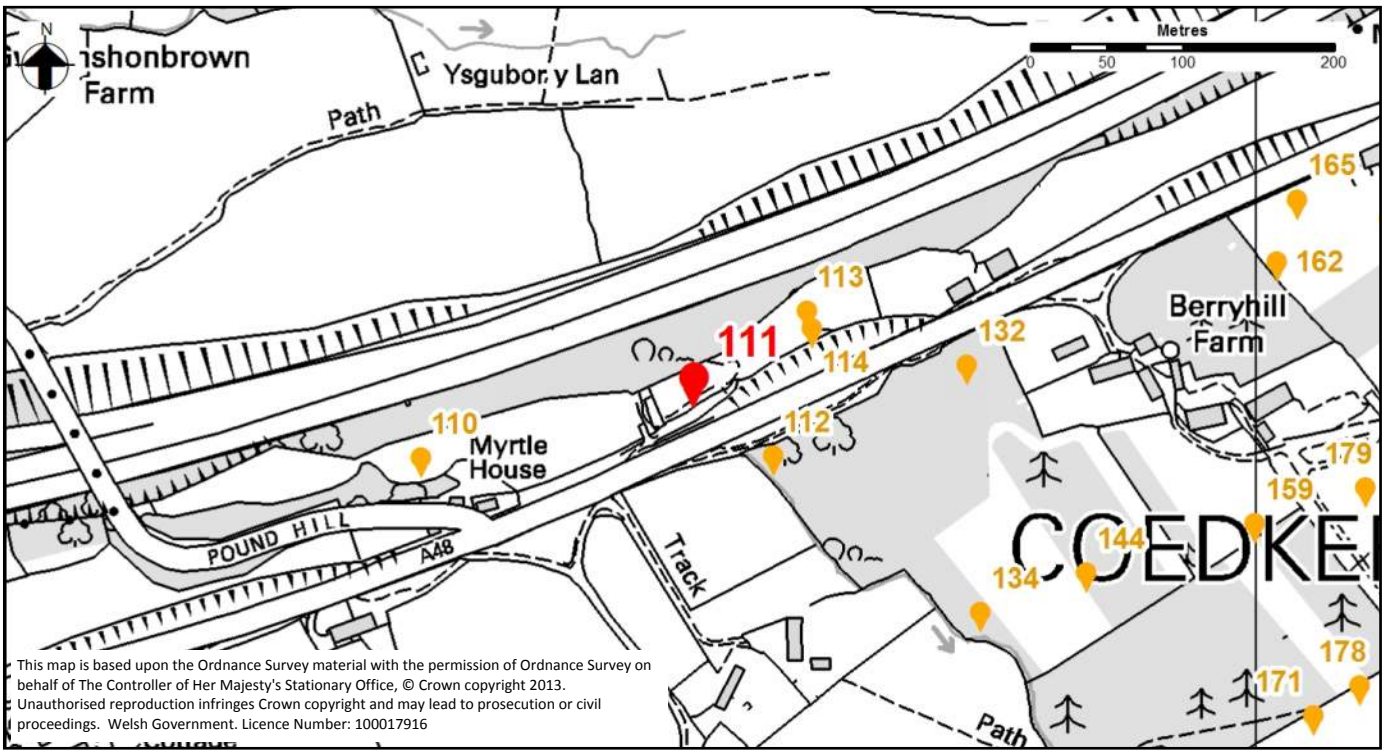

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	112	Date:	23-04-2014 10:45	GPS:	51.55, -3.06

Dominant Habitats:

Improved grassland/hedgerow

Target Note:

Mammal pathway, possibly fox

Potential for Protected Species:

Fox

Target Note Location Map:

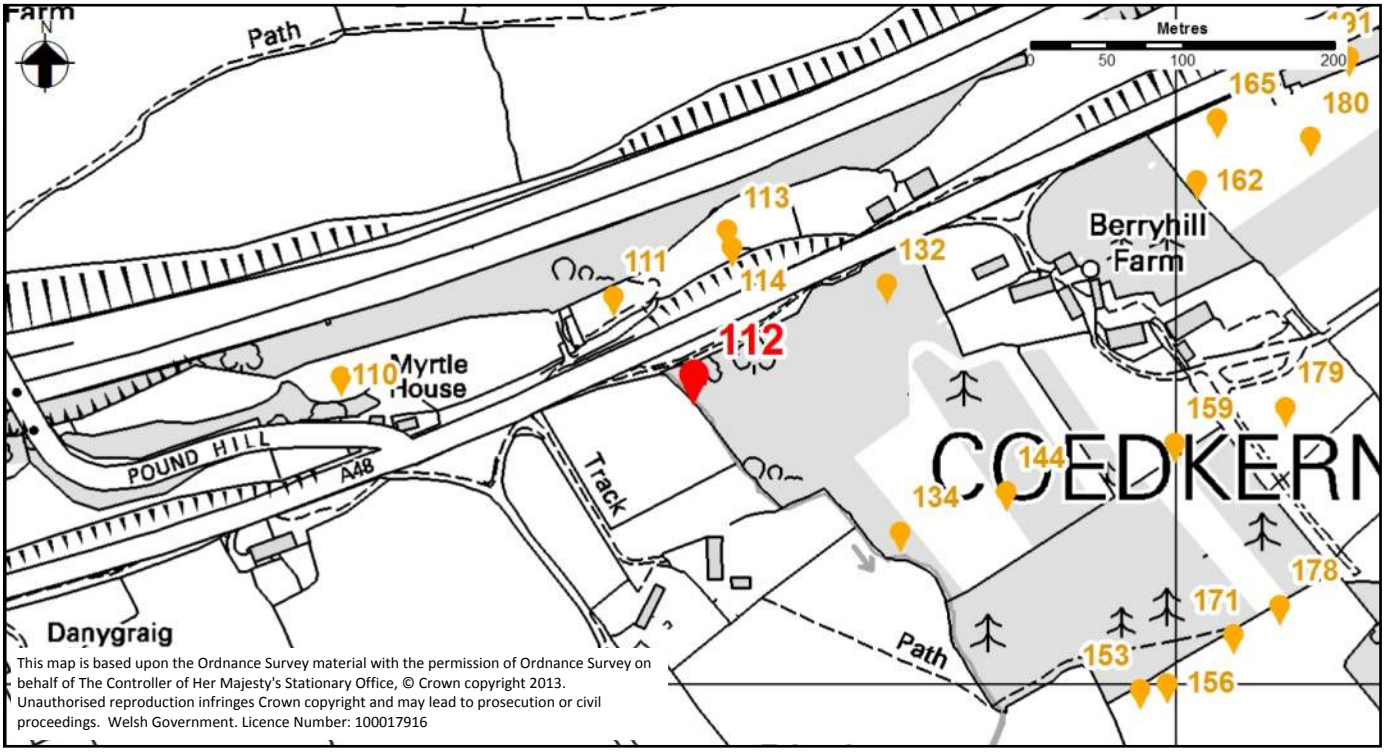

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	113	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Scarlet pimpernel, scentless mayweed, knapweed, thistle sp., St John's wort, yarrow, kidney vetch

Potential for Protected Species:

Target Note Location Map:

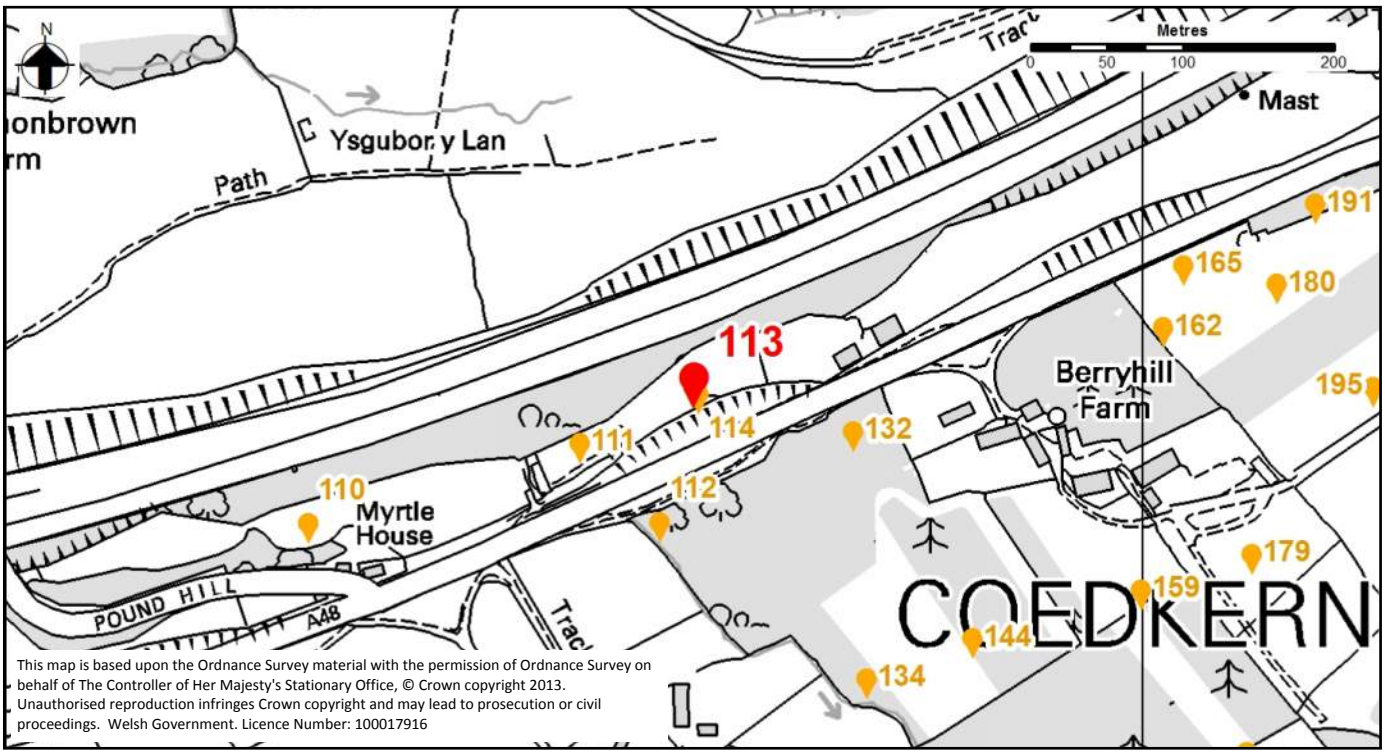

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	114	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Scarlet pimpernel, scentless mayweed, knapweed, thistles, St John's wort, yarrow, kidney vetch

Potential for Protected Species:

Target Note Location Map:

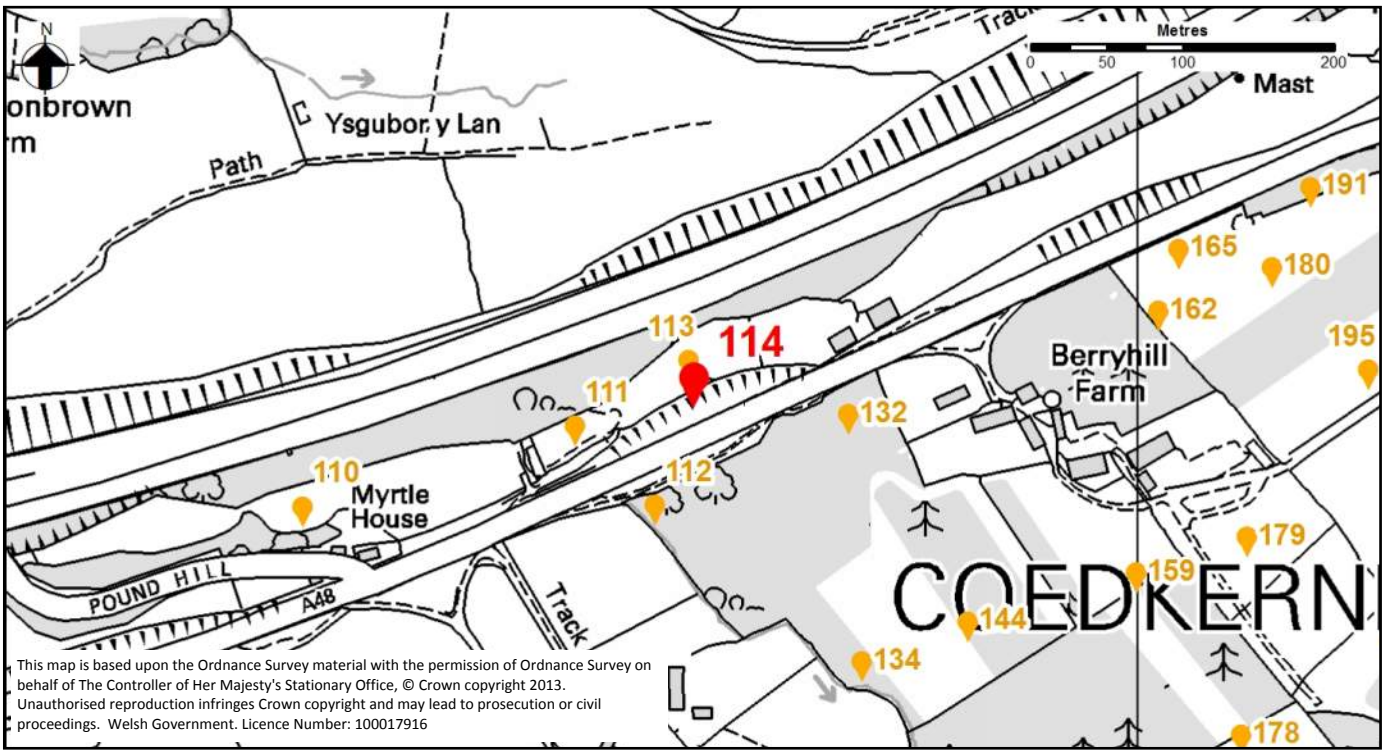

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	115	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Ditch

Target Note:

Semi-emergent vegetation covers ditch resulting in no open water. Vegetation includes: hemlock water dropwort, common nettle, common reed. Further over shading by hawthorn.

Potential for Protected Species:

Target Note Location Map:

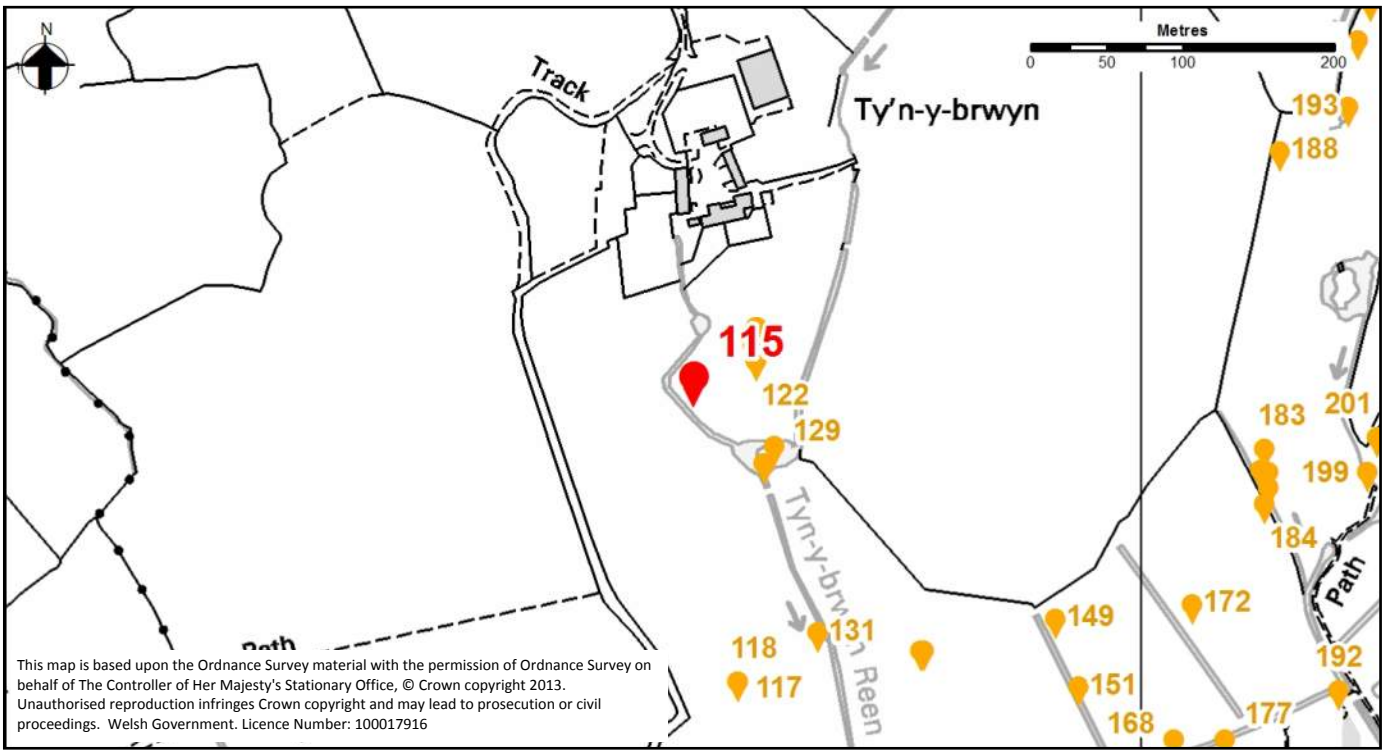

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	116	Date:	22-08-2014	GPS:	51.54, -3.06

Dominant Habitats:

Clump of common reed on edge of golf green close to reen

Target Note:

Grass clipping pile

Potential for Protected Species:

Reptiles (grass snake/slow worm)

Target Note Location Map:

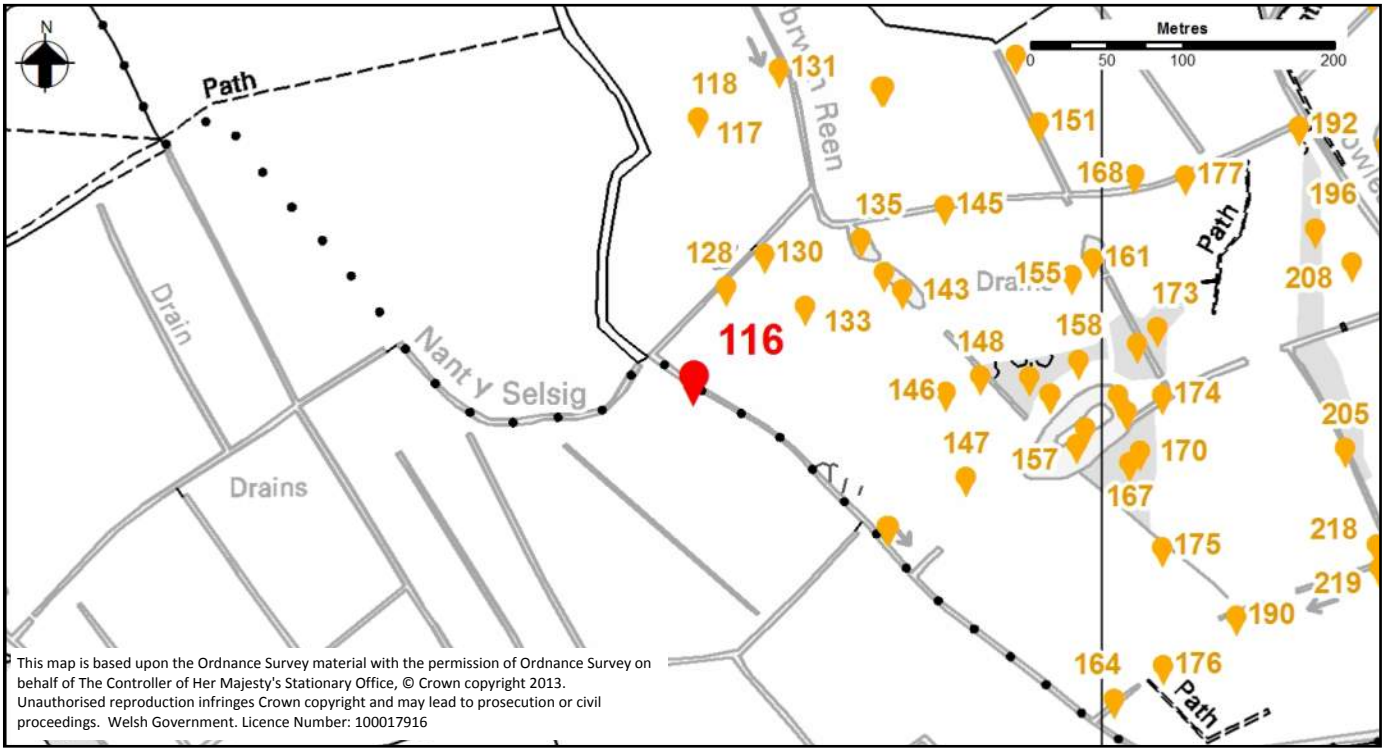

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	117	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Meadow and creeping buttercup, Yorkshire fog, common nettle, perennial ryegrass, kidney vetch, dandelion

Potential for Protected Species:

Target Note Location Map:

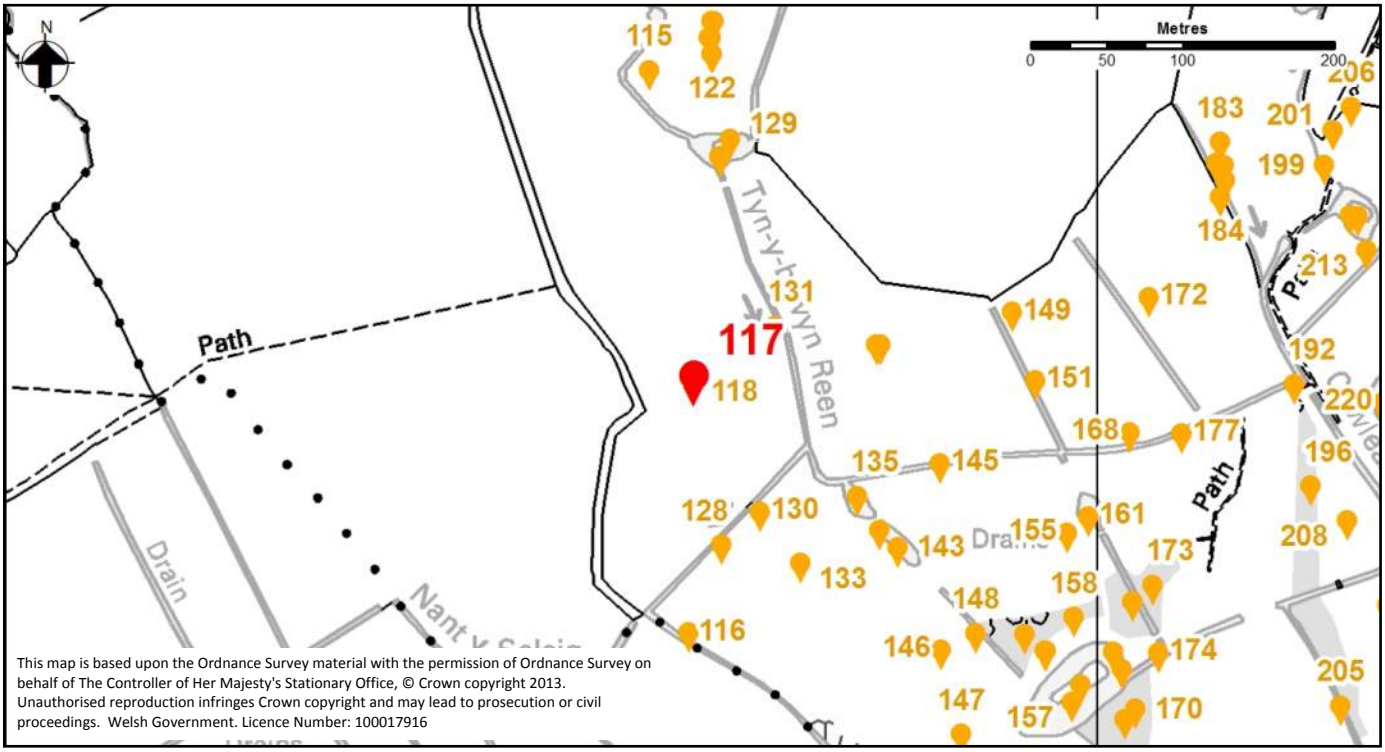

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	118	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Meadow buttercup, creeping buttercup, Yorkshire fog, common nettle, perennial ryegrass, kidney vetch, dandelion sp., false fox sedge, great willowherb, Juncus sp., common ragwort, dock sp., scentless mayweed, redshank, meadow foxtail, creeping thistle

Potential for Protected Species:

Target Note Location Map:

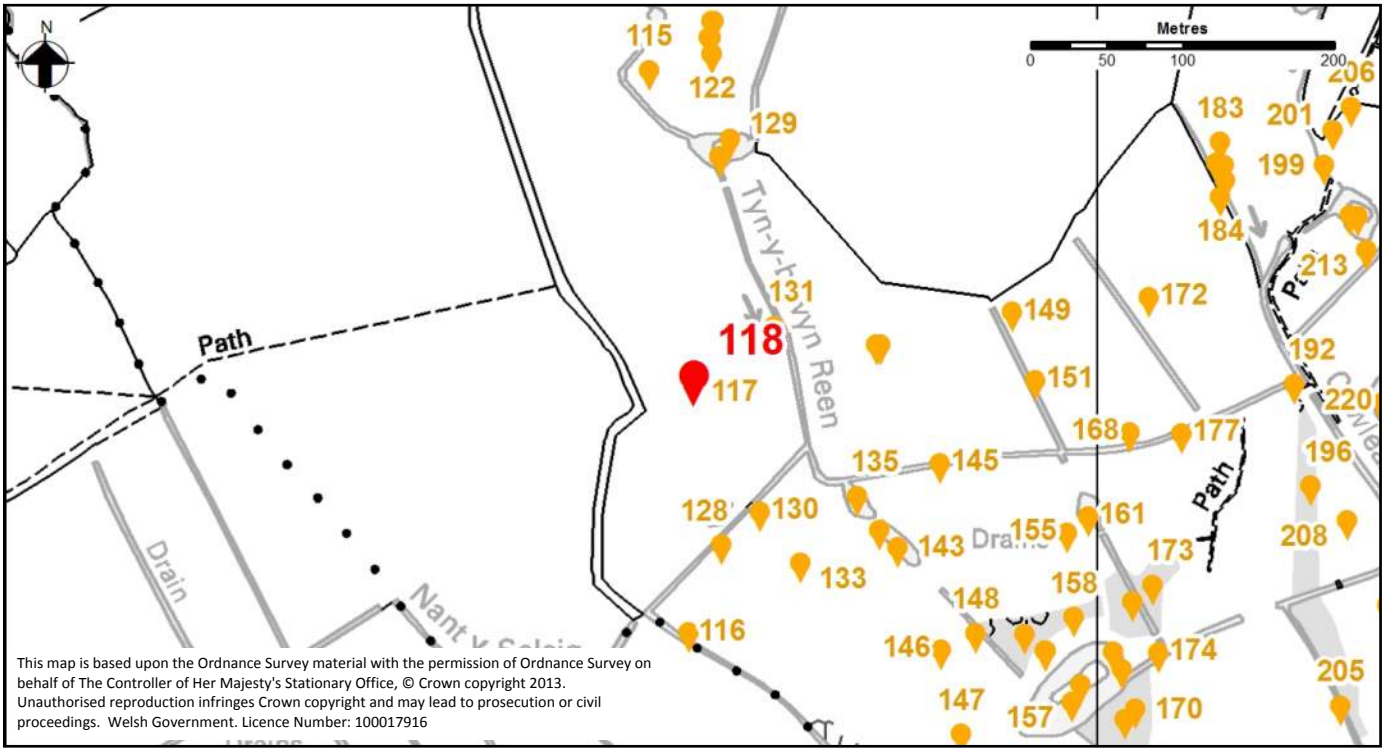

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	119	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., buttercup sp., Yorkshire fog, perennial ryegrass, meadow foxtail.

Potential for Protected Species:

Target Note Location Map:

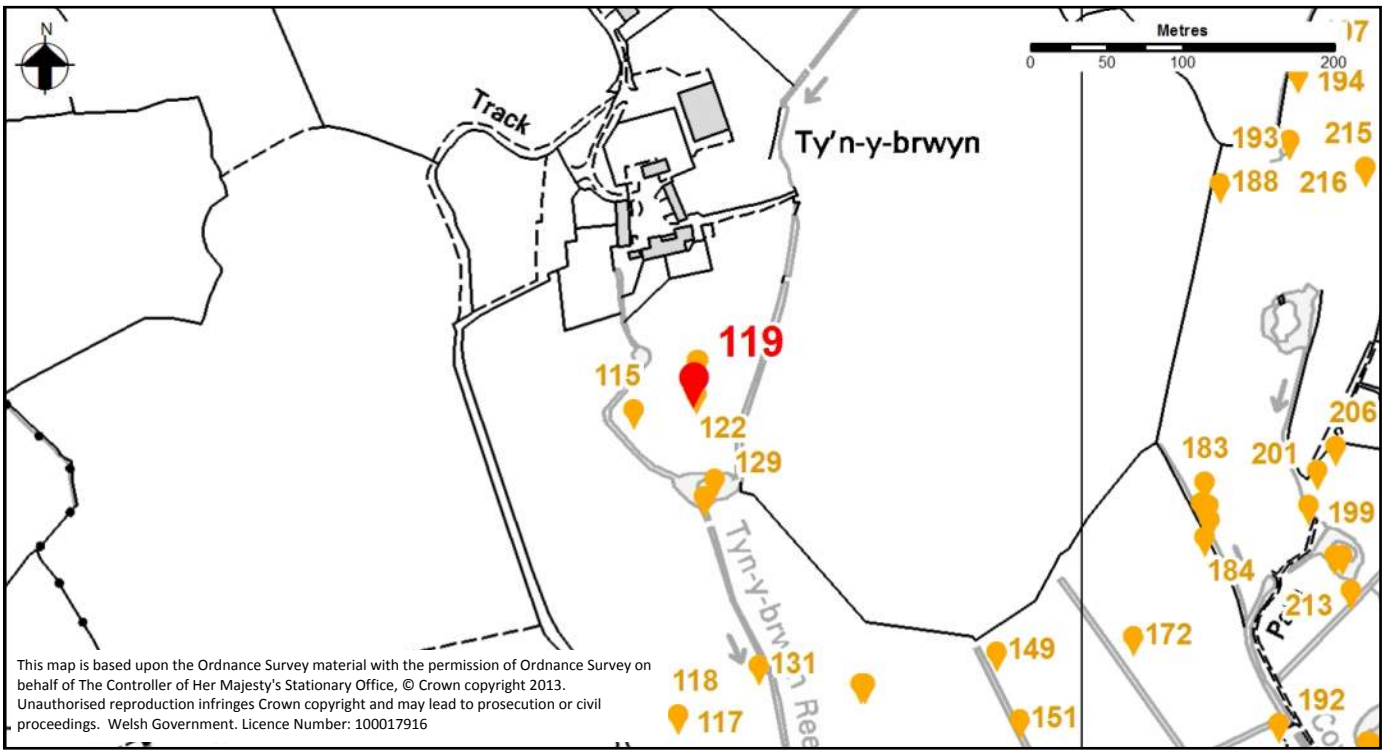

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	120	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., buttercup sp., Yorkshire fog, perennial ryegrass, meadow foxtail.

Potential for Protected Species:

Target Note Location Map:

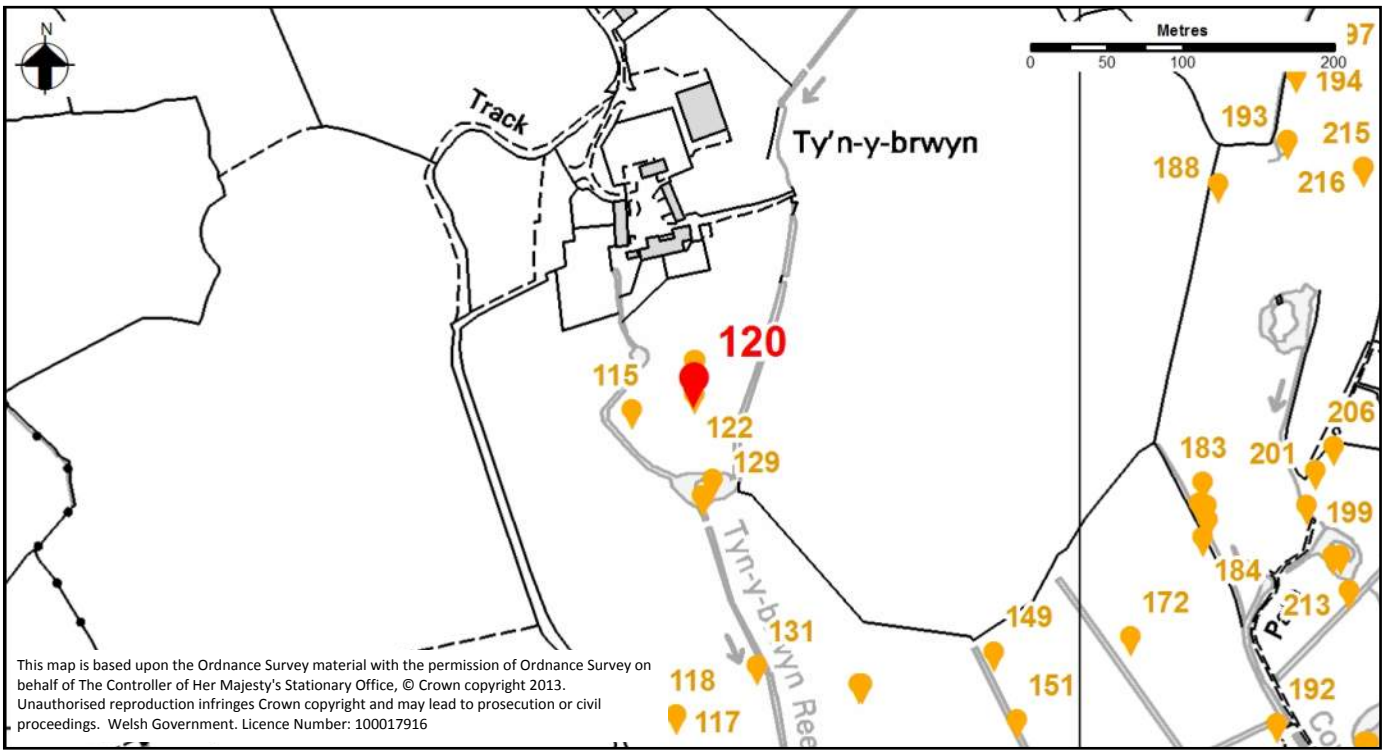

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	121	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Trees along western section of fenceline: elder, hazel, hawthorn and weeping willow.

Potential for Protected Species:

Target Note Location Map:

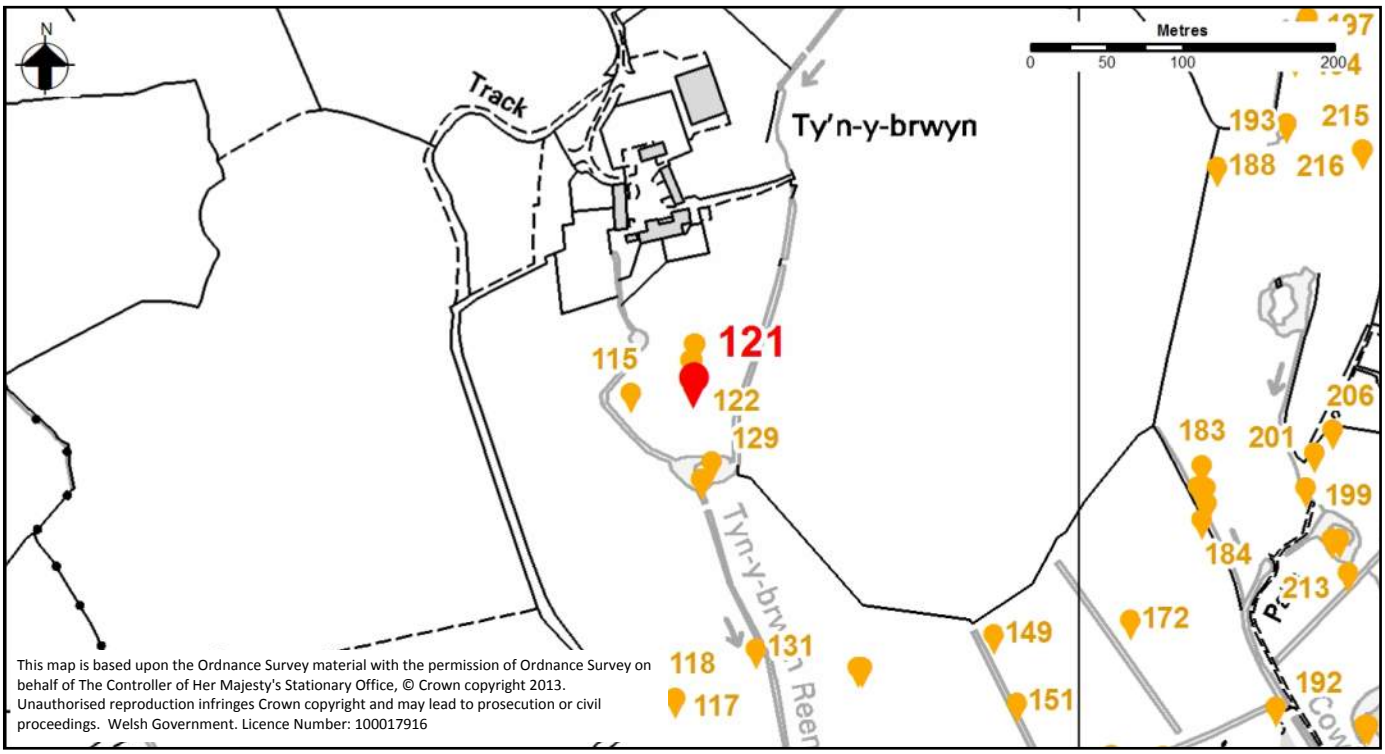

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	122	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Fence

Potential for Protected Species:

Target Note Location Map:

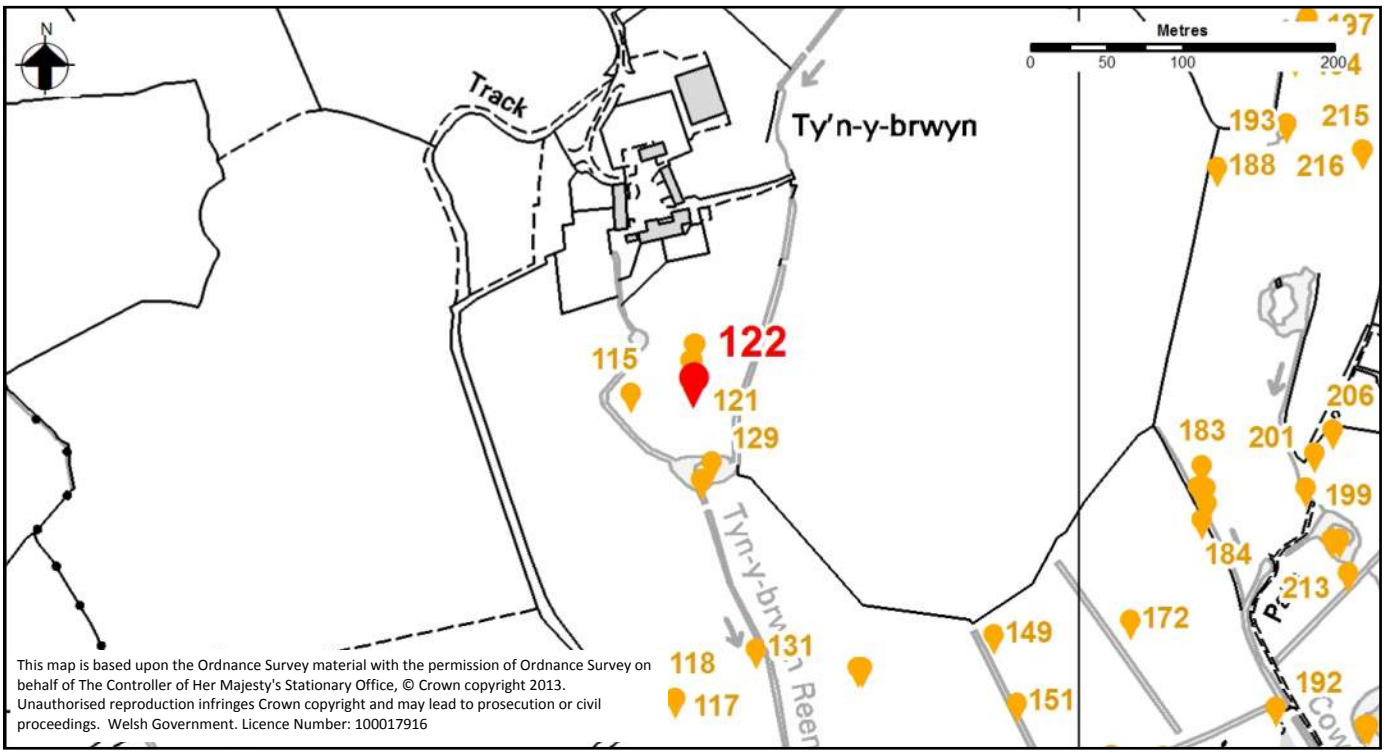

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	123	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., buttercup sp., Yorkshire fog, perennial ryegrass, meadow foxtail

Potential for Protected Species:

Target Note Location Map:

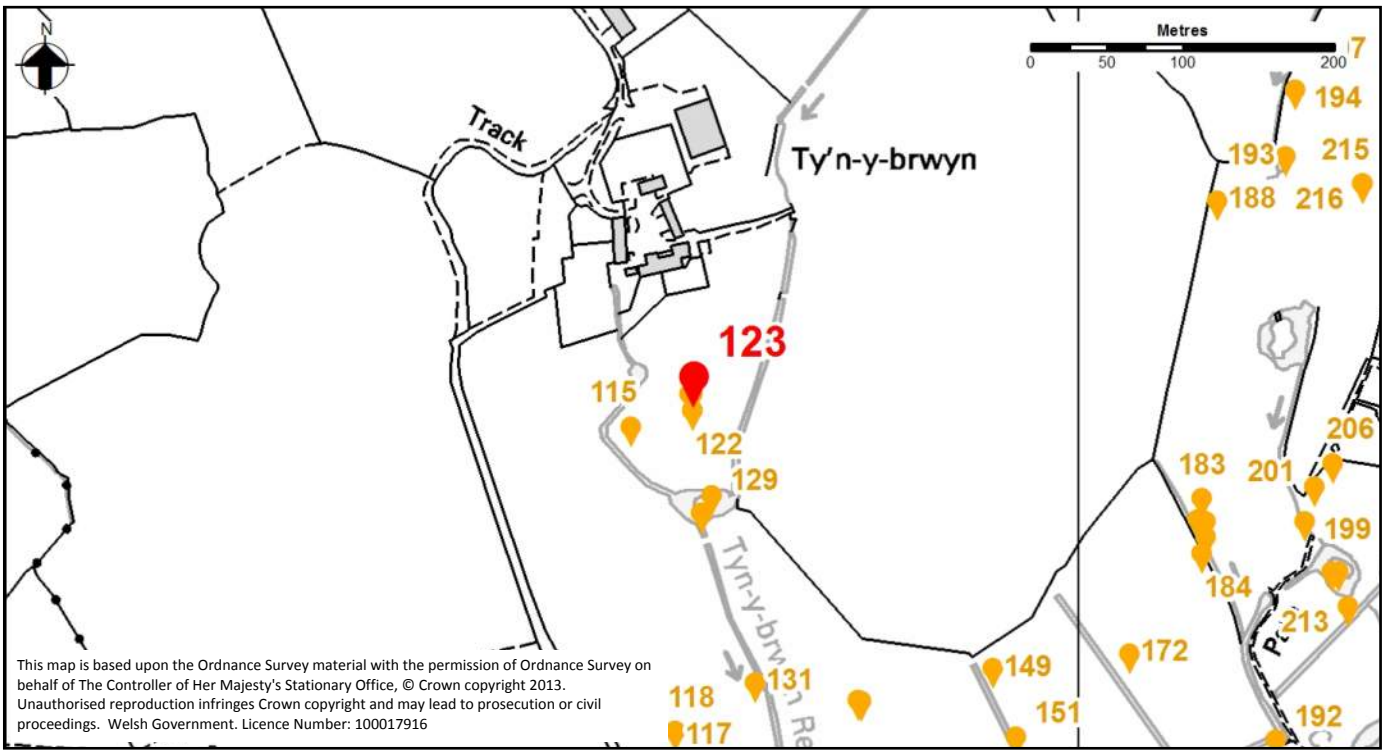

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	124	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., buttercup sp., Yorkshire fog, perennial ryegrass, meadow foxtail.

Potential for Protected Species:

Target Note Location Map:

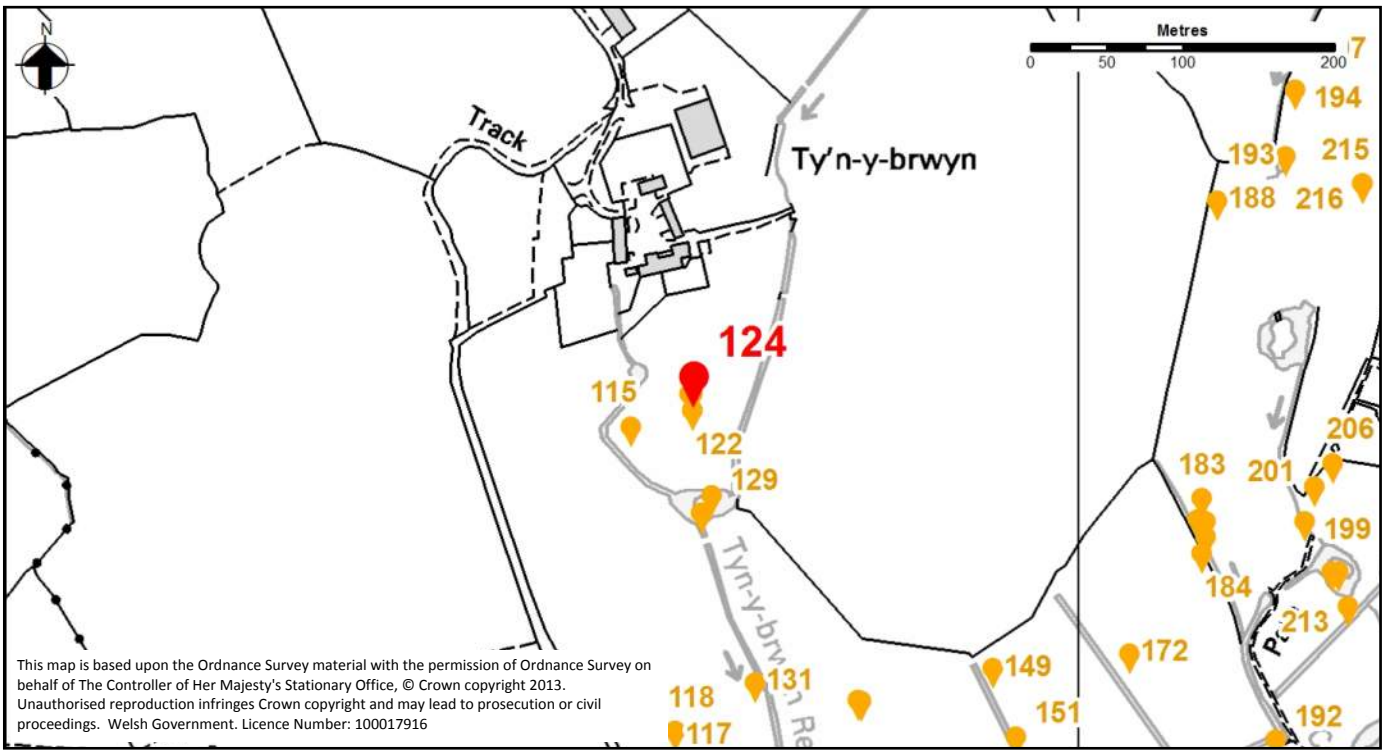

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	125	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., buttercup sp., Yorkshire fog, perennial ryegrass, meadow foxtail

Potential for Protected Species:

Target Note Location Map:

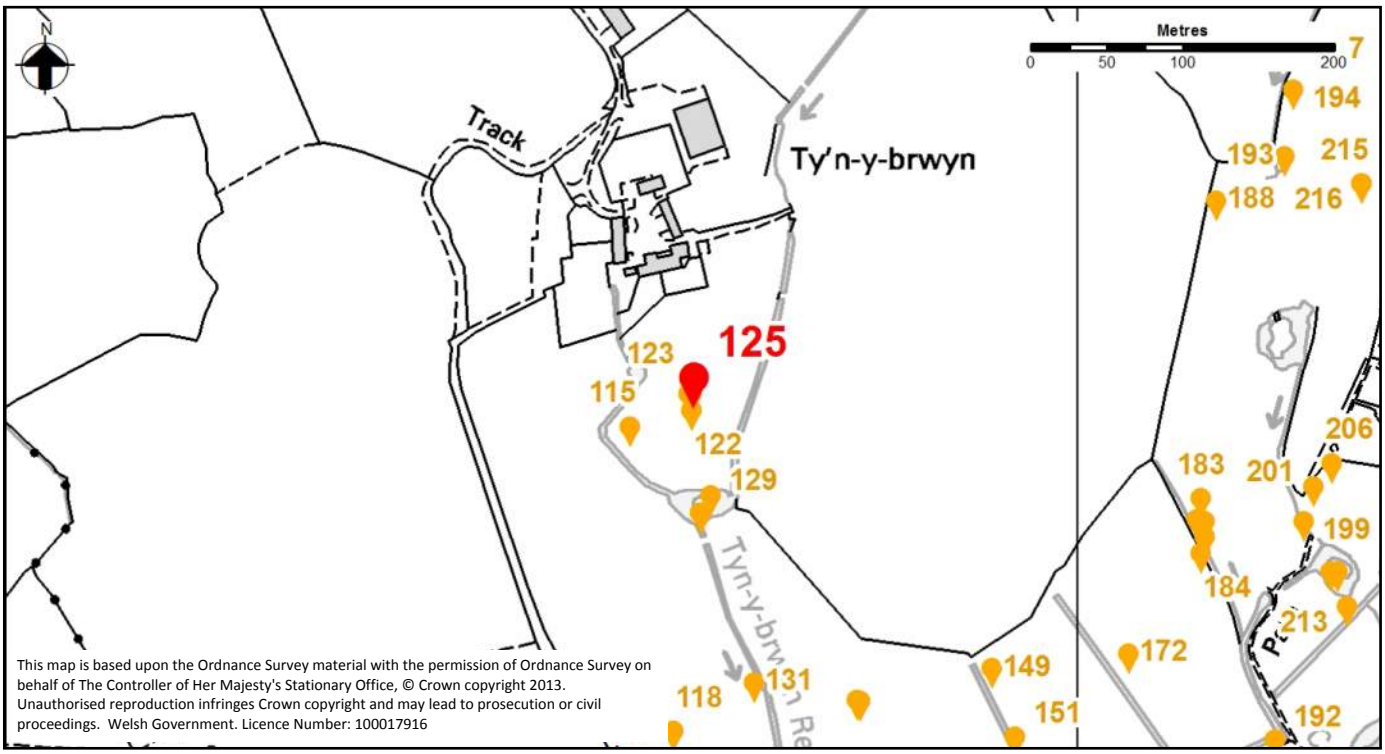

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	126	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Mosaic of habitat, mostly bramble scrub, but also willowherb sp. and water reeds

Potential for Protected Species:

Target Note Location Map:

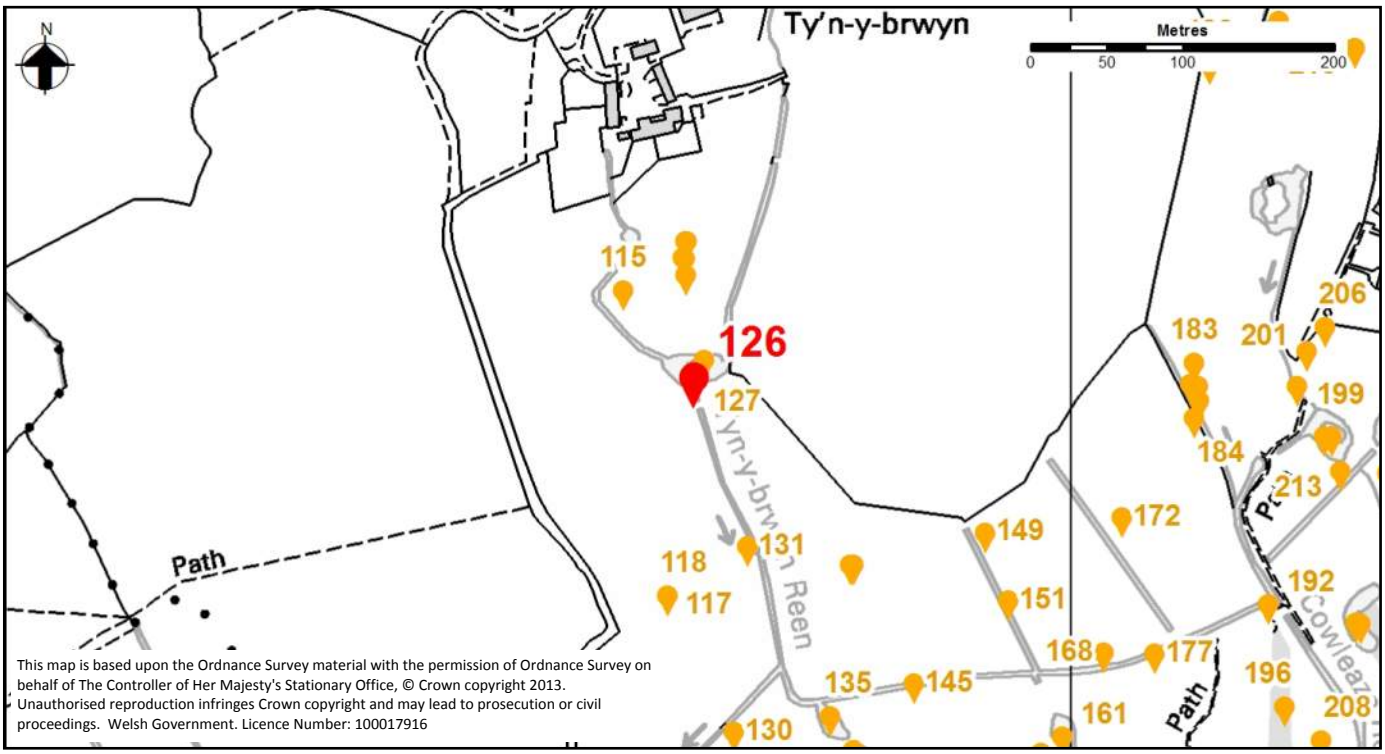

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	127	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Hedge bindweed, common reed, common bulrush, willowherb sp., common nettle, dock sp., hemlock water dropwort.
Fauna: peacock butter common swift, dragonfly spp., damselfly spp.

Potential for Protected Species:

Target Note Location Map:

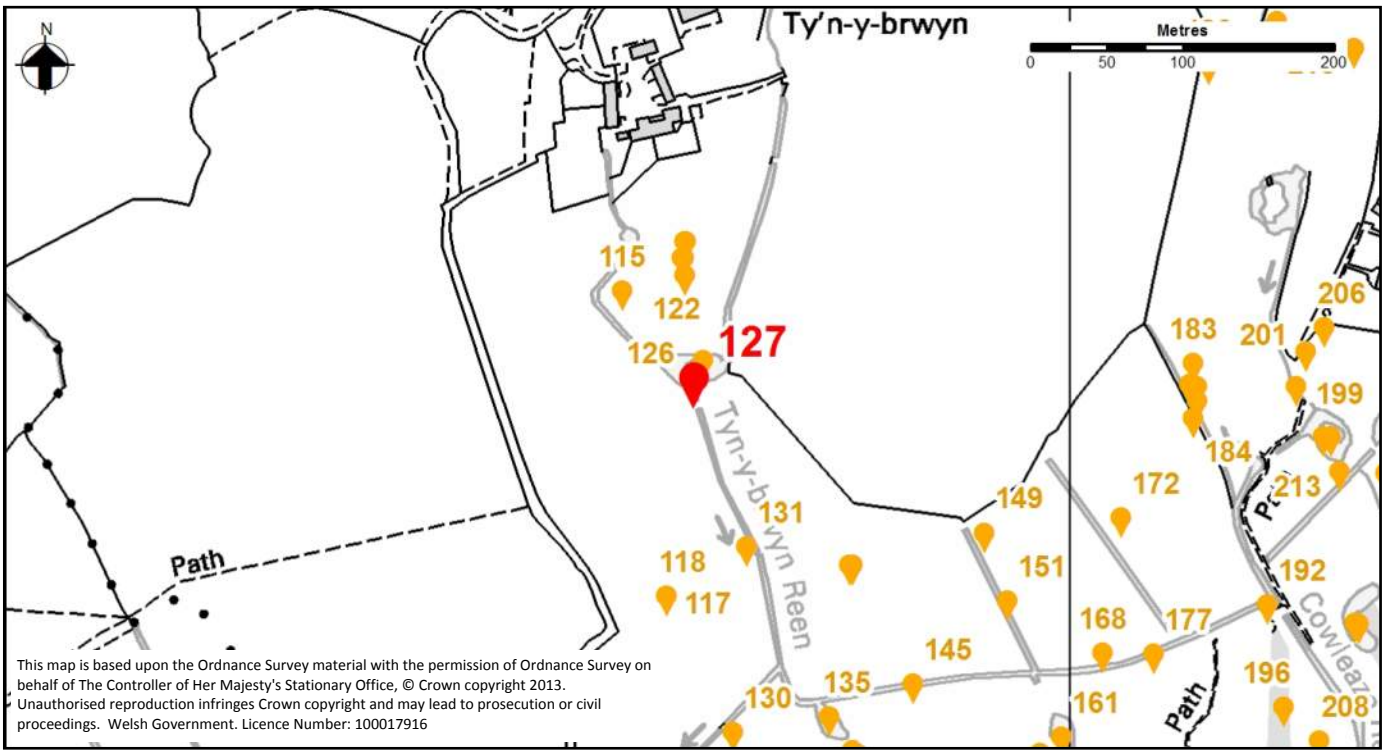

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	128	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Reen/scrub

Target Note:

Common nettle, great willowherb, hemlock water dropwort, bracken, hogweed common reed. Trees overshadowing reen: hawthorn and willow sp.
Fauna: willow warbler, dragonfly spp., damselfly spp.

Potential for Protected Species:

Target Note Location Map:

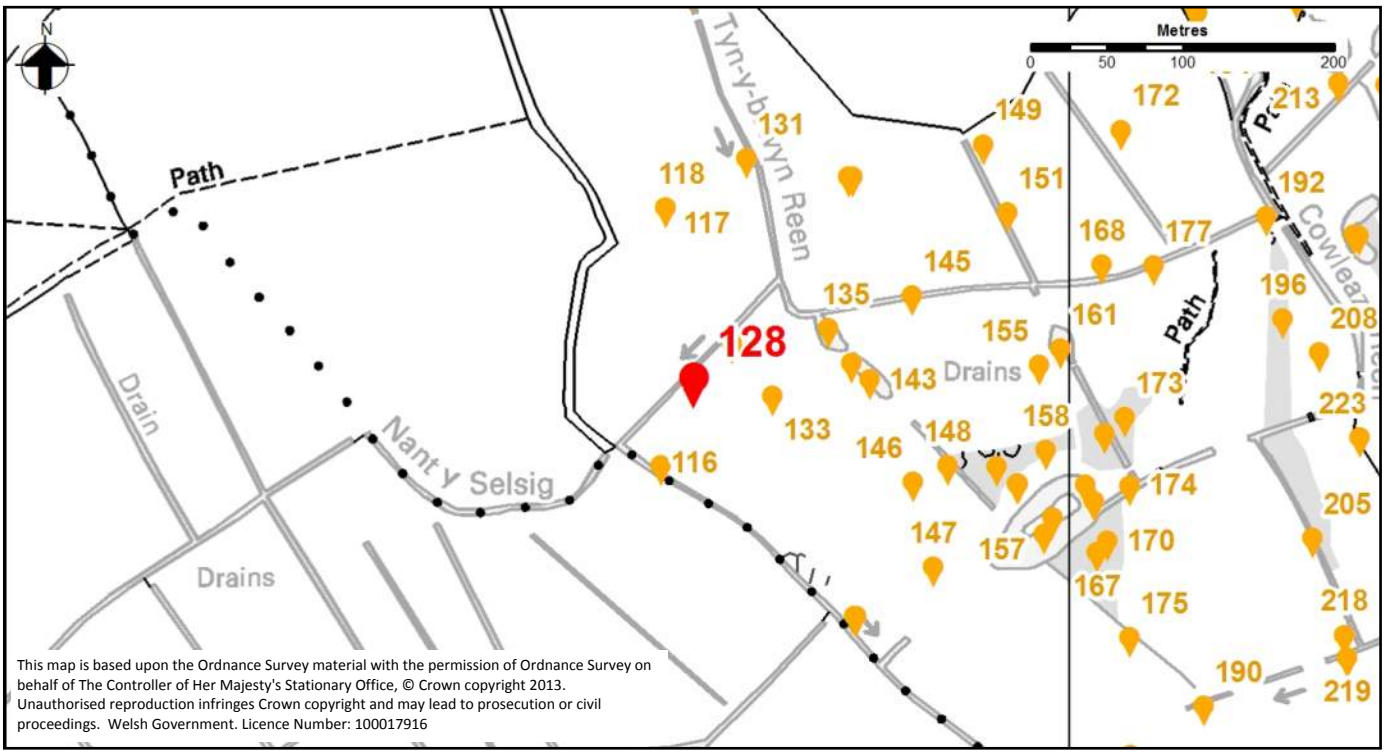

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	129	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Hedge bindweed, common reed, common bulrush, willowherb sp., common nettle, bramble, hemlock water dropwort

Potential for Protected Species:

Target Note Location Map:

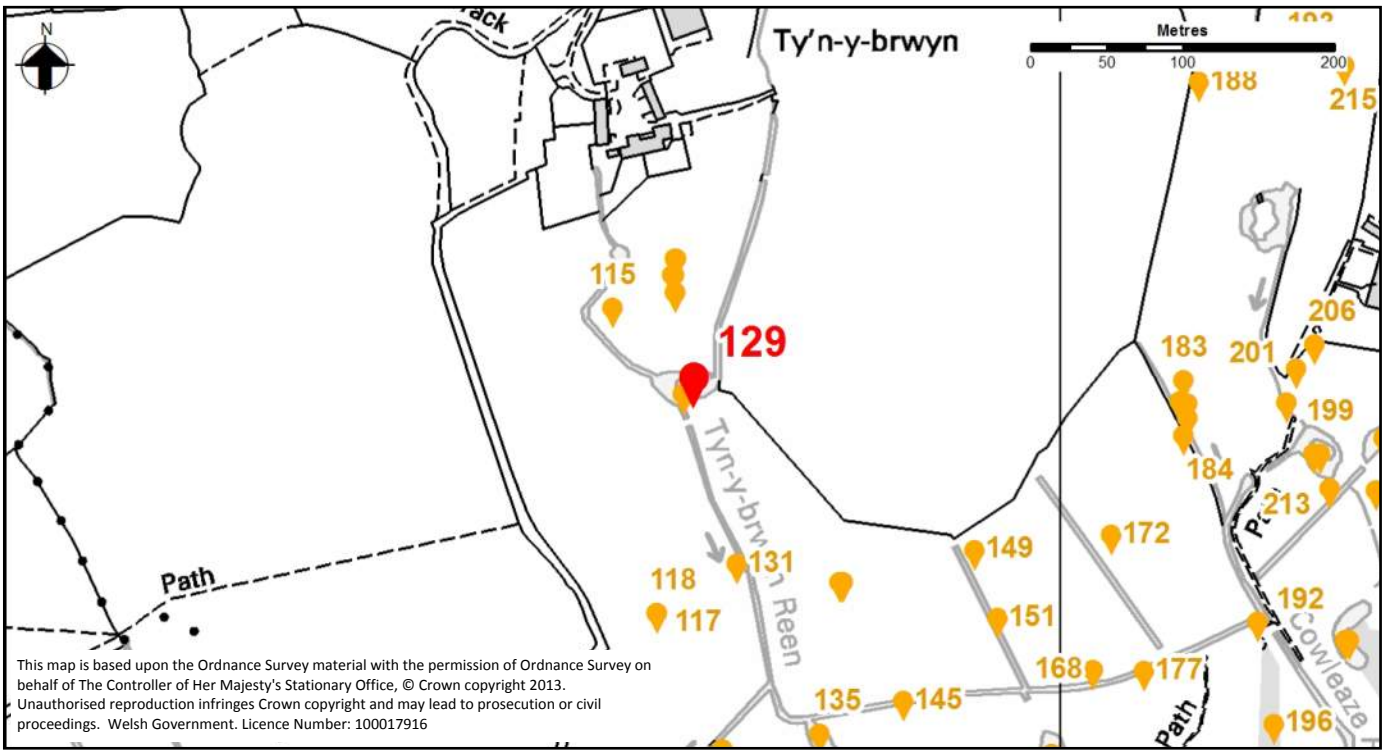

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	130	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Scattered trees

Target Note:

Silver birch, willow, sycamore, hawthorn

Potential for Protected Species:

Target Note Location Map:

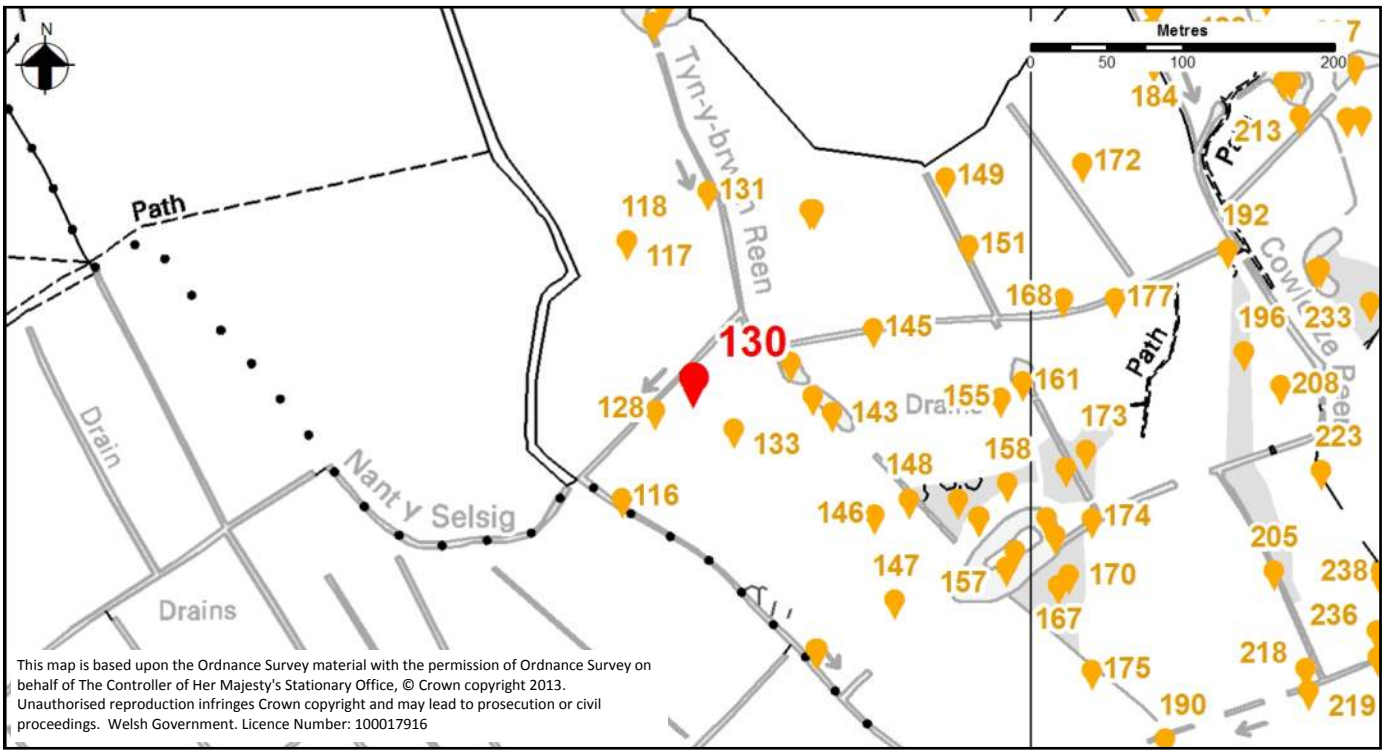

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	131	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Fauna: Unidentified wildfowl, common darter, other dragonfly spp., common blue damselfly, other damselfly spp., large white butterfly, meadow brown butterfly.

Flora on banks plus semi-emergent vegetation: bramble, hemlock water dropwort, common nettle

Potential for Protected Species:

Invertebrates

Target Note Location Map:

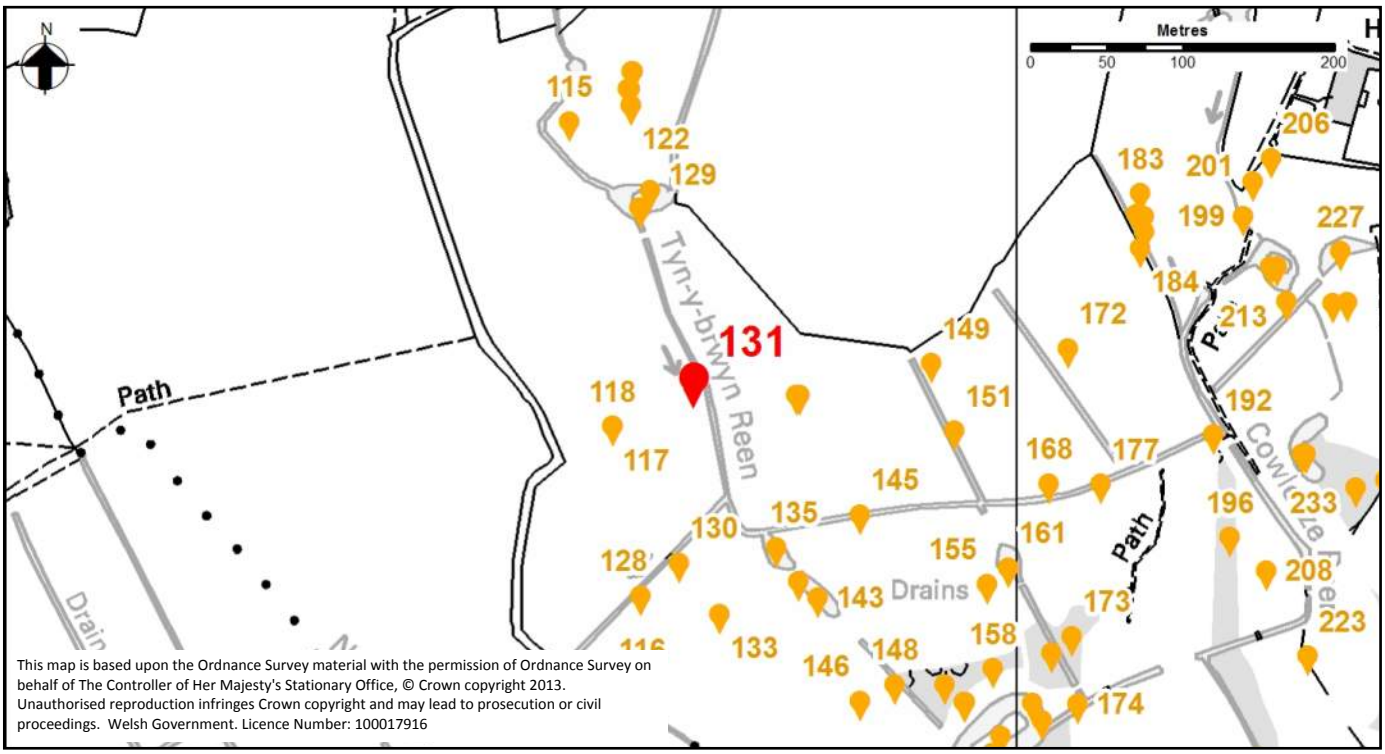

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	132	Date:	23-04-2014 10:40	GPS:	51.55, -3.06

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

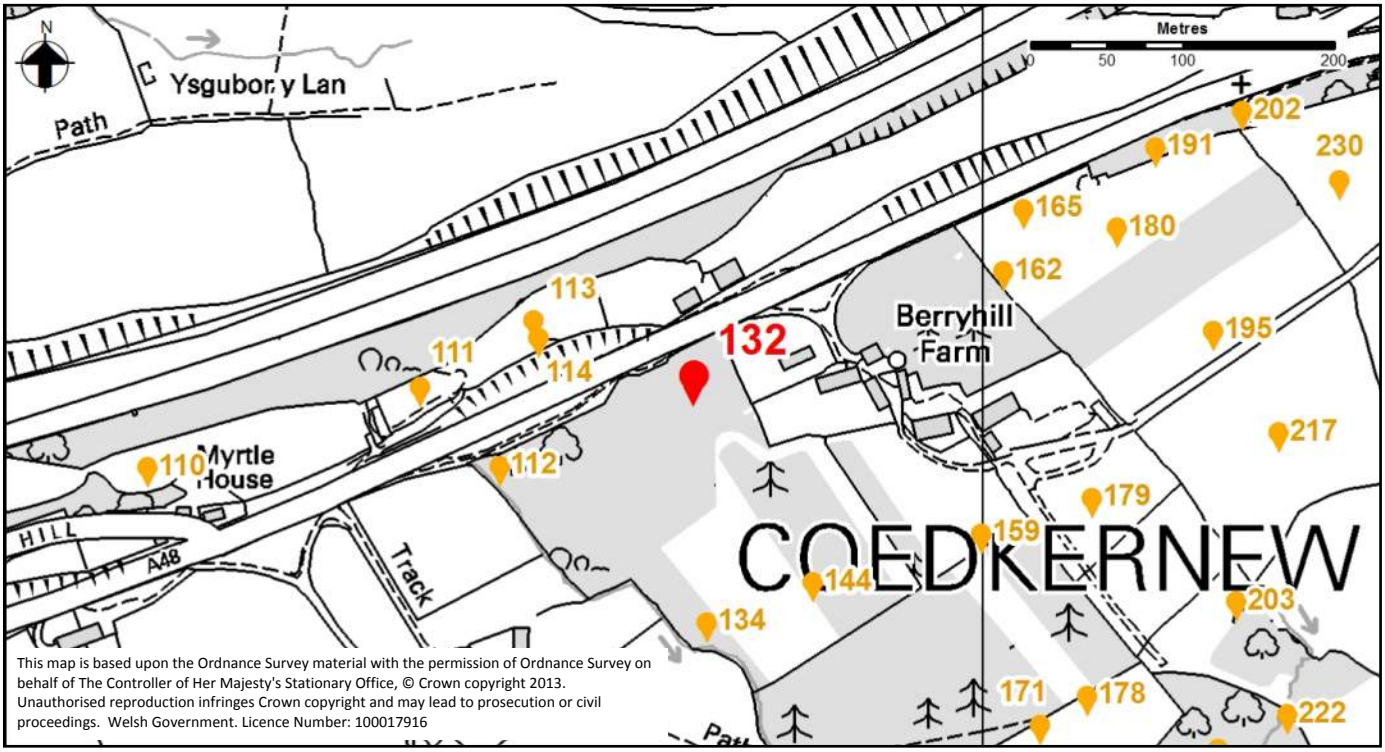

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	133	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Birch, alder, rowan, Swedish whitebeam

Potential for Protected Species:

Target Note Location Map:

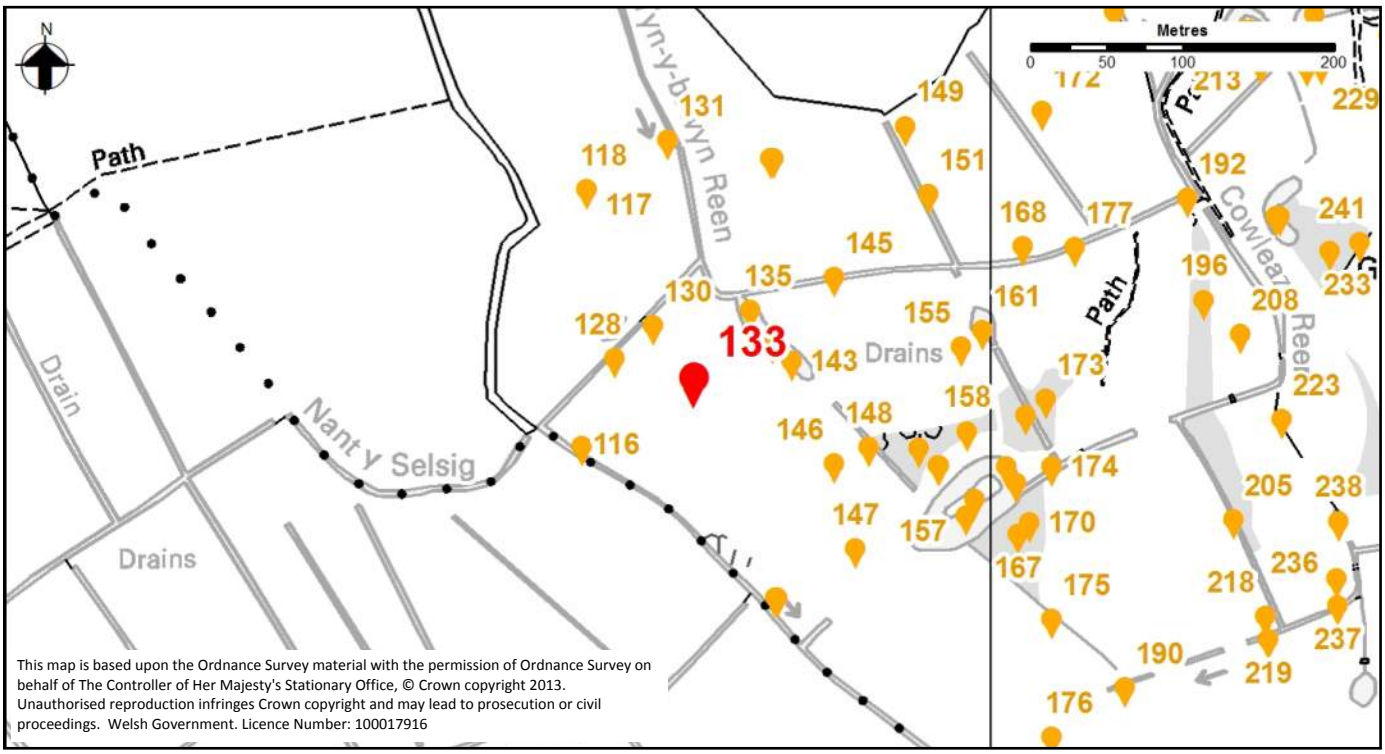

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	134	Date:	23-04-2014 10:54	GPS:	51.55, -3.06

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

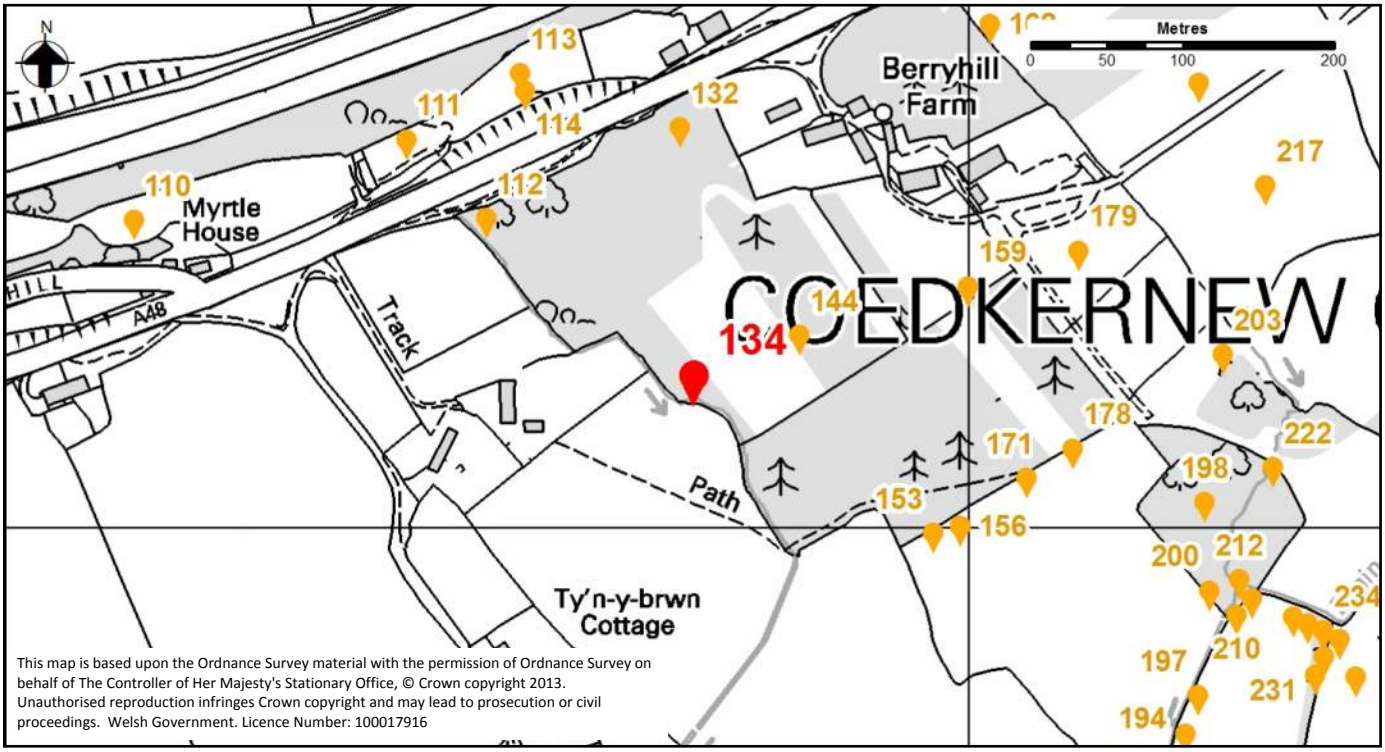

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	135	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Common nettle, spear thistle, common reed, willow sp.

Potential for Protected Species:

Target Note Location Map:

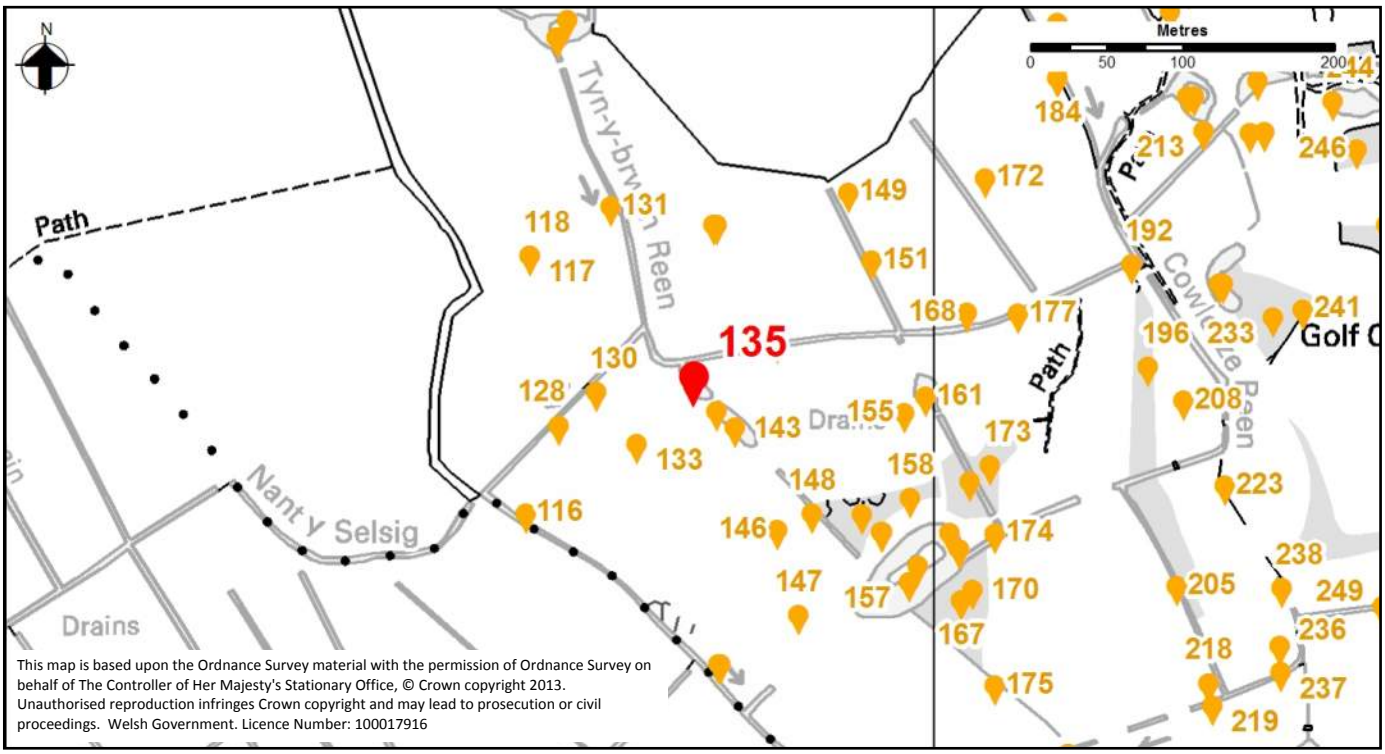

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	136	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., soft rush, meadow buttercup, red fescue, purple loosestrife, redshank, Yorkshire fog, meadow foxtail, white clover, annual meadow grass, sedge sp., scentless mayweed.
Fauna: meadow brown, gatekeeper, buzzard, swift, wood pigeon, carrion crow

Potential for Protected Species:

Target Note Location Map:

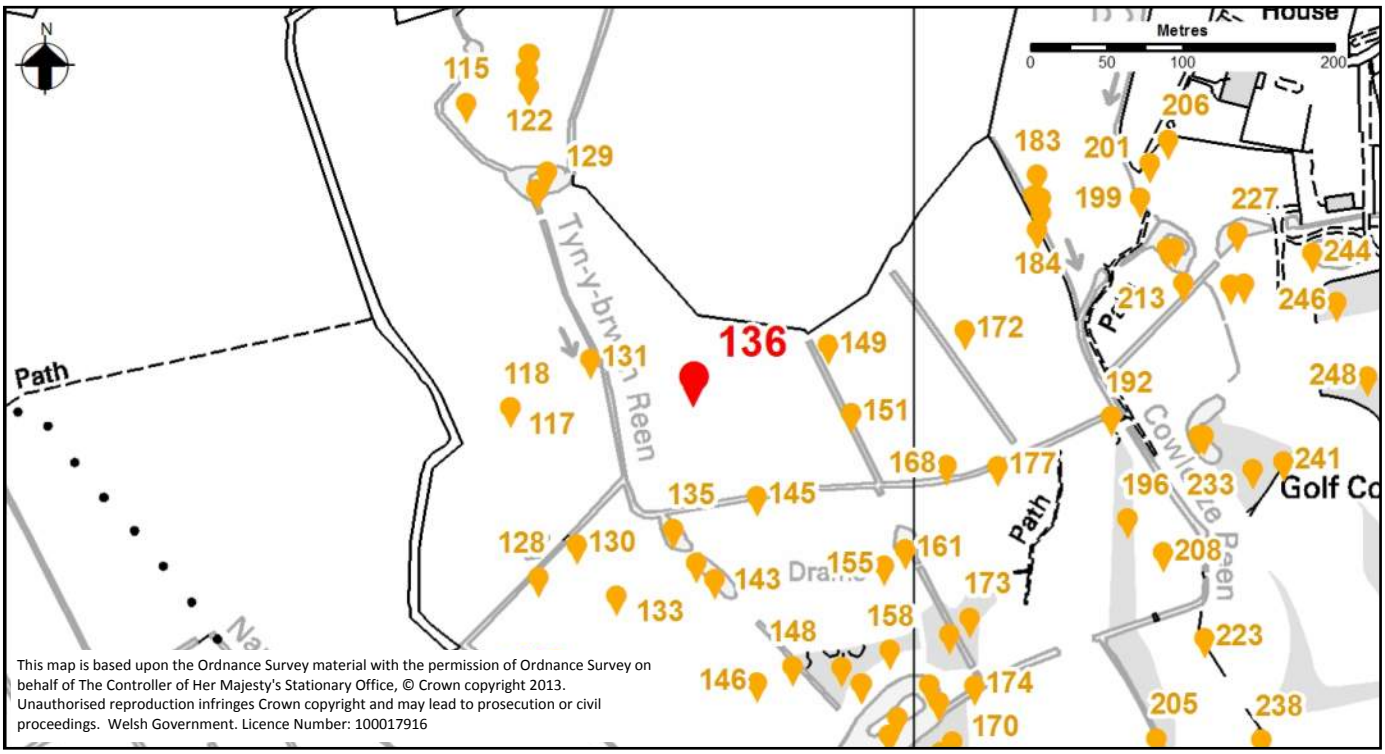

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	137	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., soft rush, meadow foxtail, meadow buttercup, red fescue, purple loosestrife, redshank

Potential for Protected Species:

Target Note Location Map:

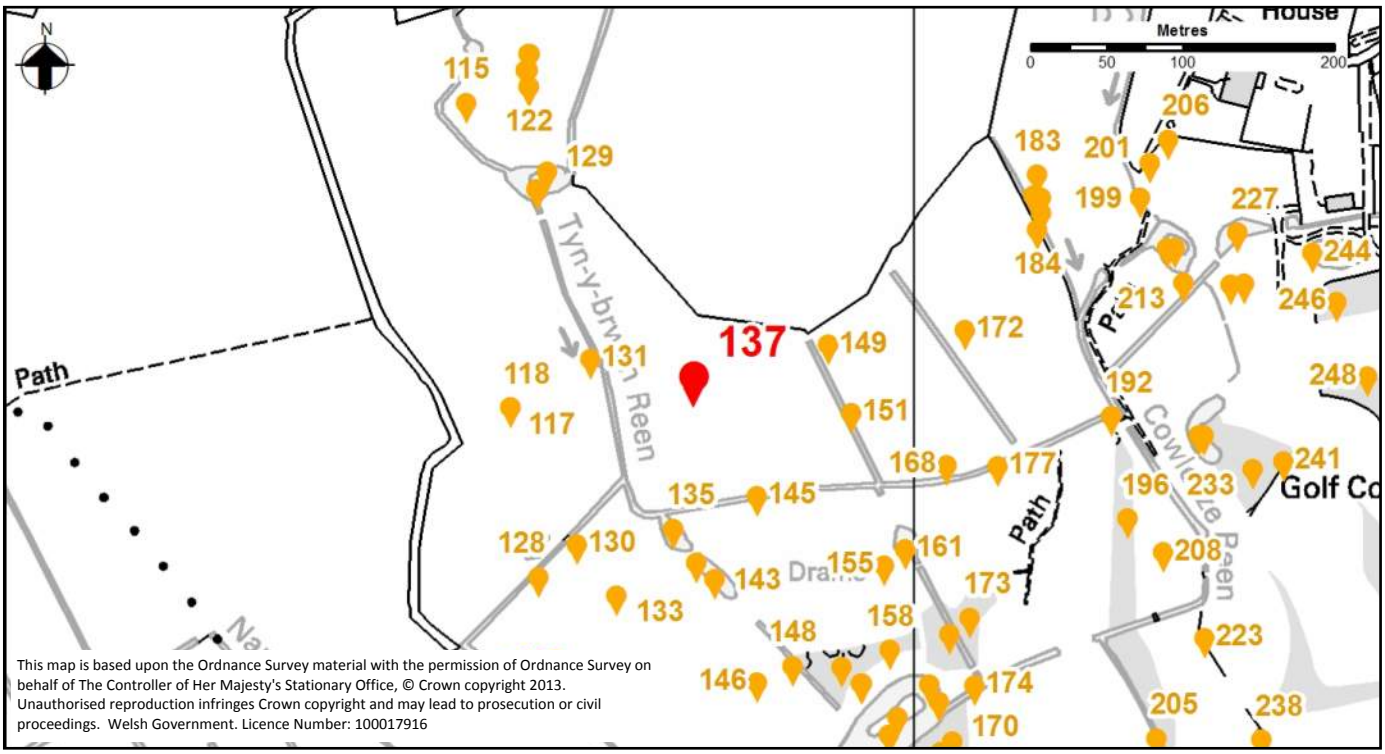

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	138	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., soft rush, meadow foxtail, meadow buttercup, red fescue, purple loosestrife, redshank

Potential for Protected Species:

Target Note Location Map:

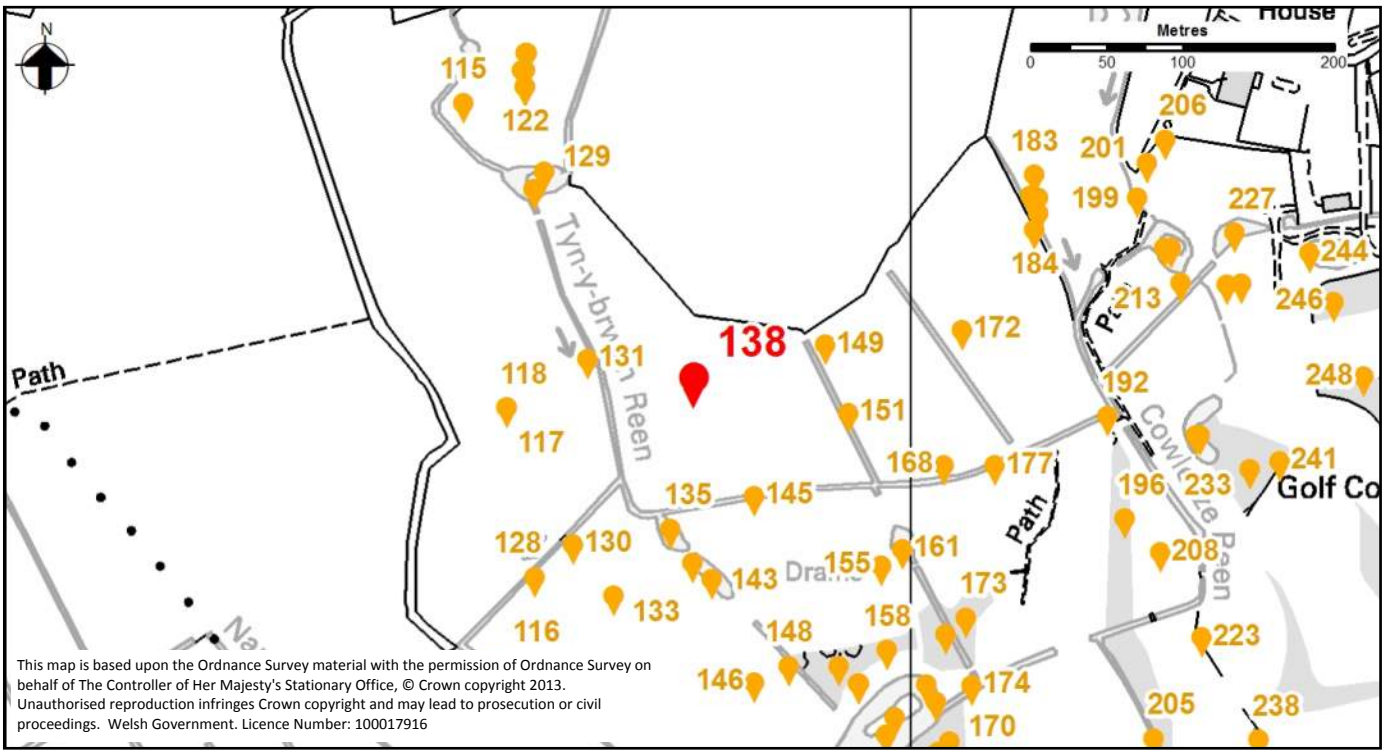

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	139	Date:		GPS:	51.55, -3.06

Dominant Habitats:

Target Note:

Dock sp., soft rush, meadow foxtail, meadow buttercup, red fescue, purple loosestrife, redshank

Potential for Protected Species:

Target Note Location Map:

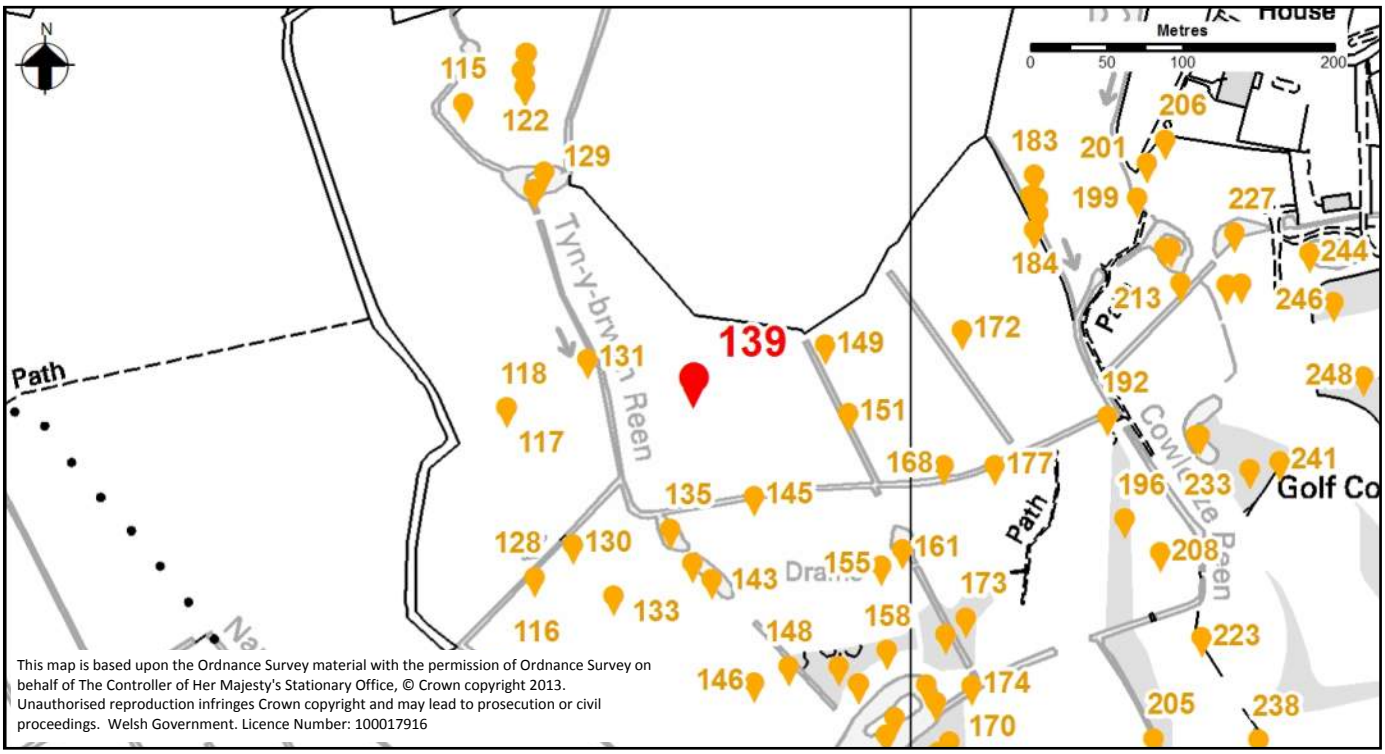

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	140	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Common nettle, spear thistle, common reed, willow

Potential for Protected Species:

Target Note Location Map:

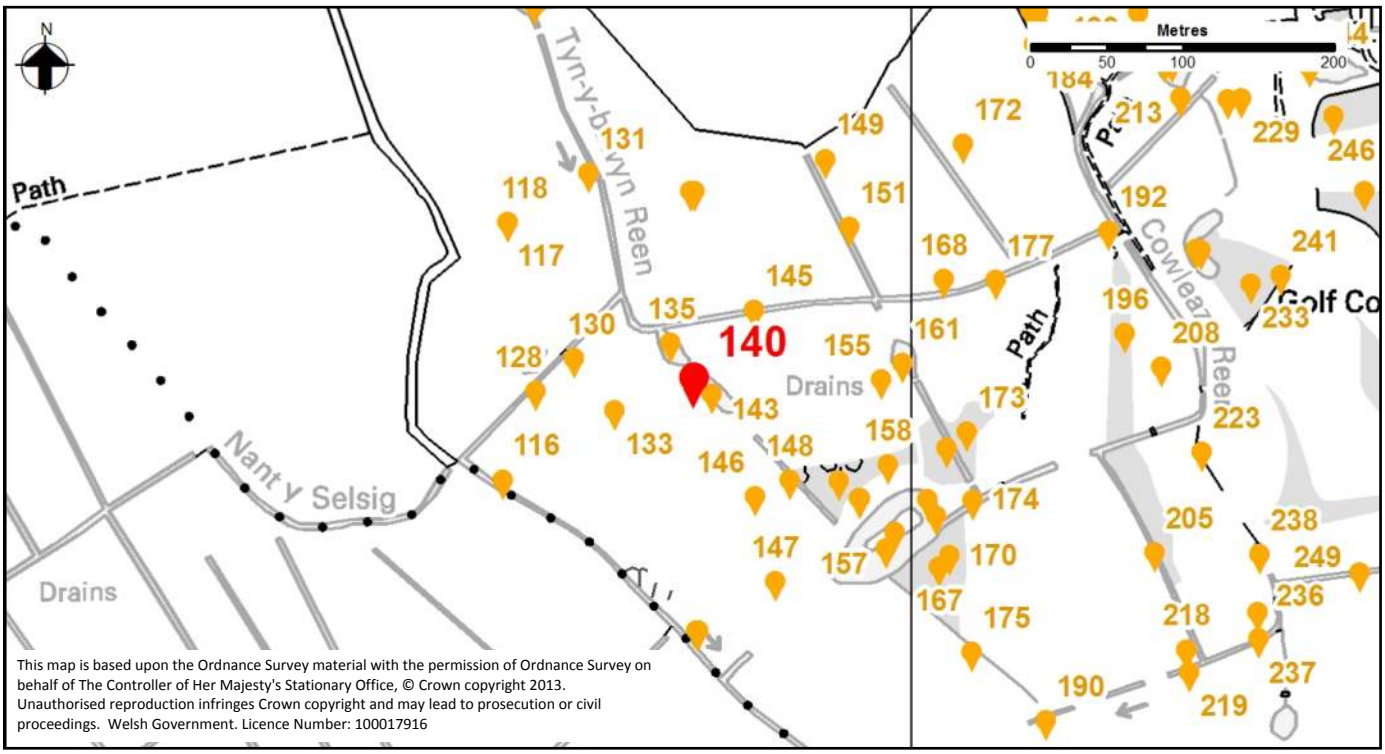

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	141	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Hogweed, common reed, waterdropwort

Potential for Protected Species:

Target Note Location Map:

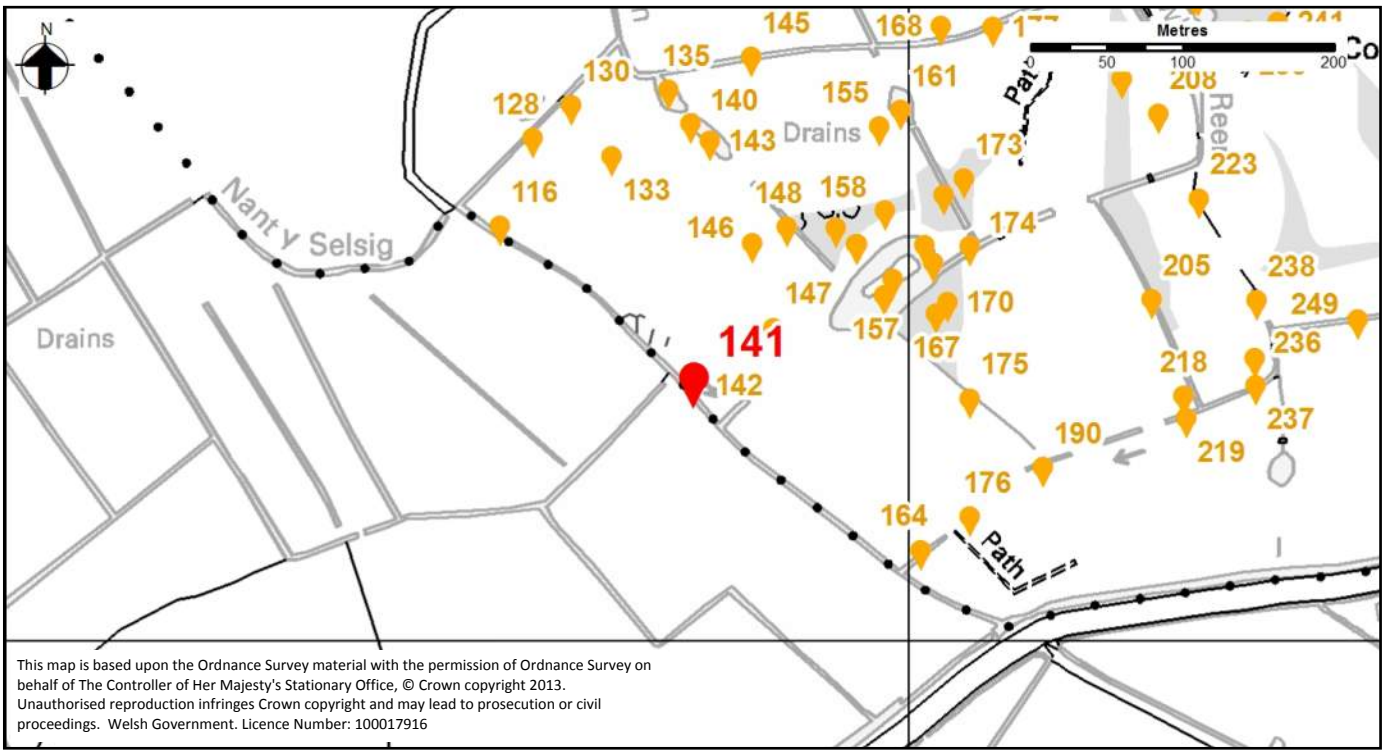

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	142	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Bramble (dominant), hawthorn, nettle, willowherb, bush vetch, spear thistle

Potential for Protected Species:

Target Note Location Map:

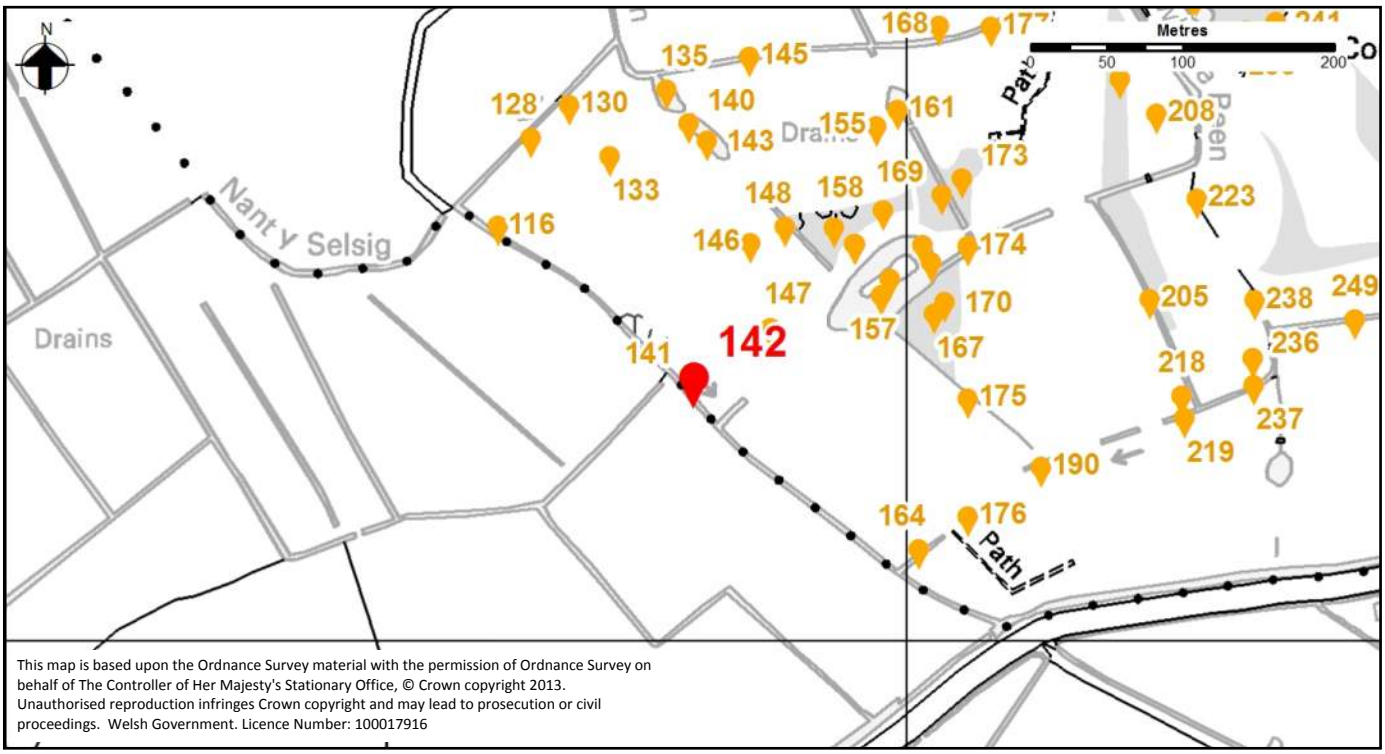

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	143	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Common nettle, spear thistle, common reed, willow sp.

Potential for Protected Species:

Target Note Location Map:

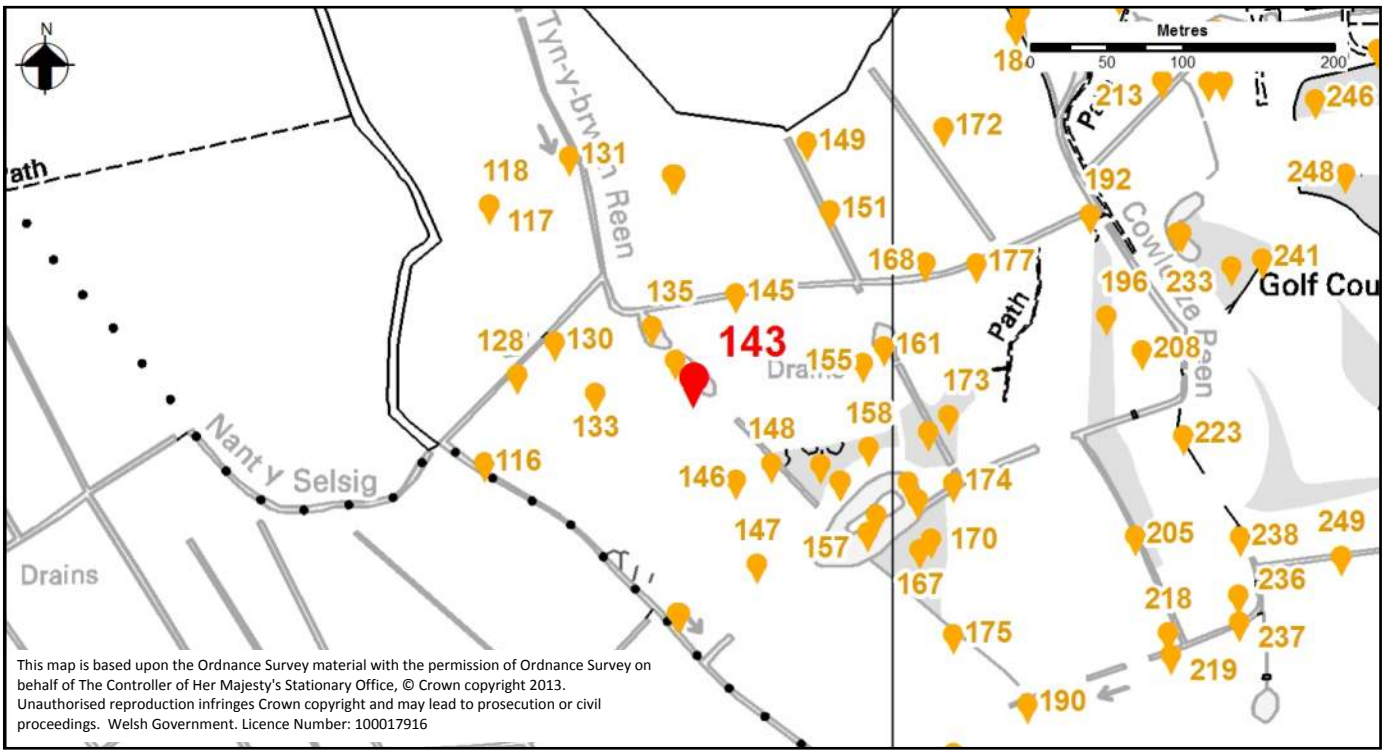

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	144	Date:	23-04-2014 11:06	GPS:	51.55, -3.06

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

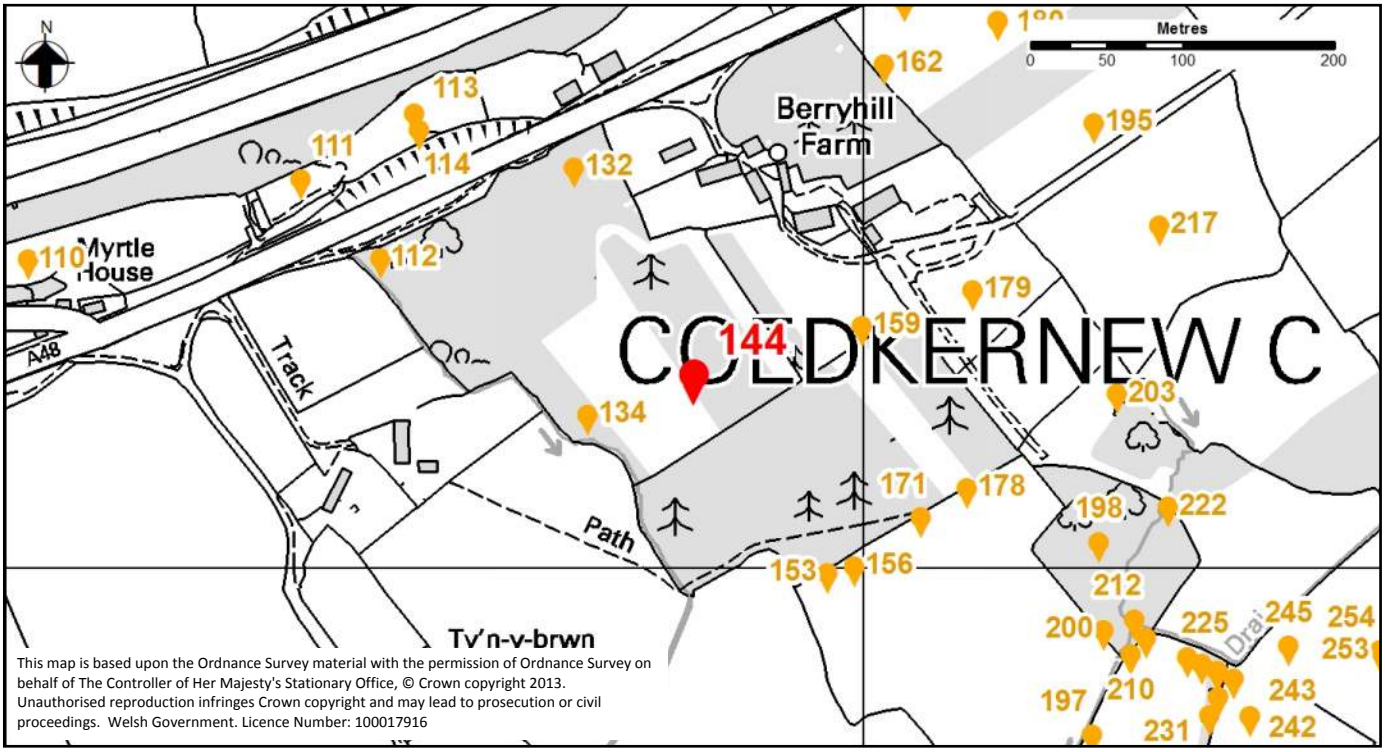

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	145	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Reen/scrub

Target Note:

Hemlock water dropwort, bramble, common reed. Trees overshadowing reen: willow sp., and hawthorn.

Some scattered scrub to north of reen: predominantly bramble.

Potential for Protected Species:

Target Note Location Map:

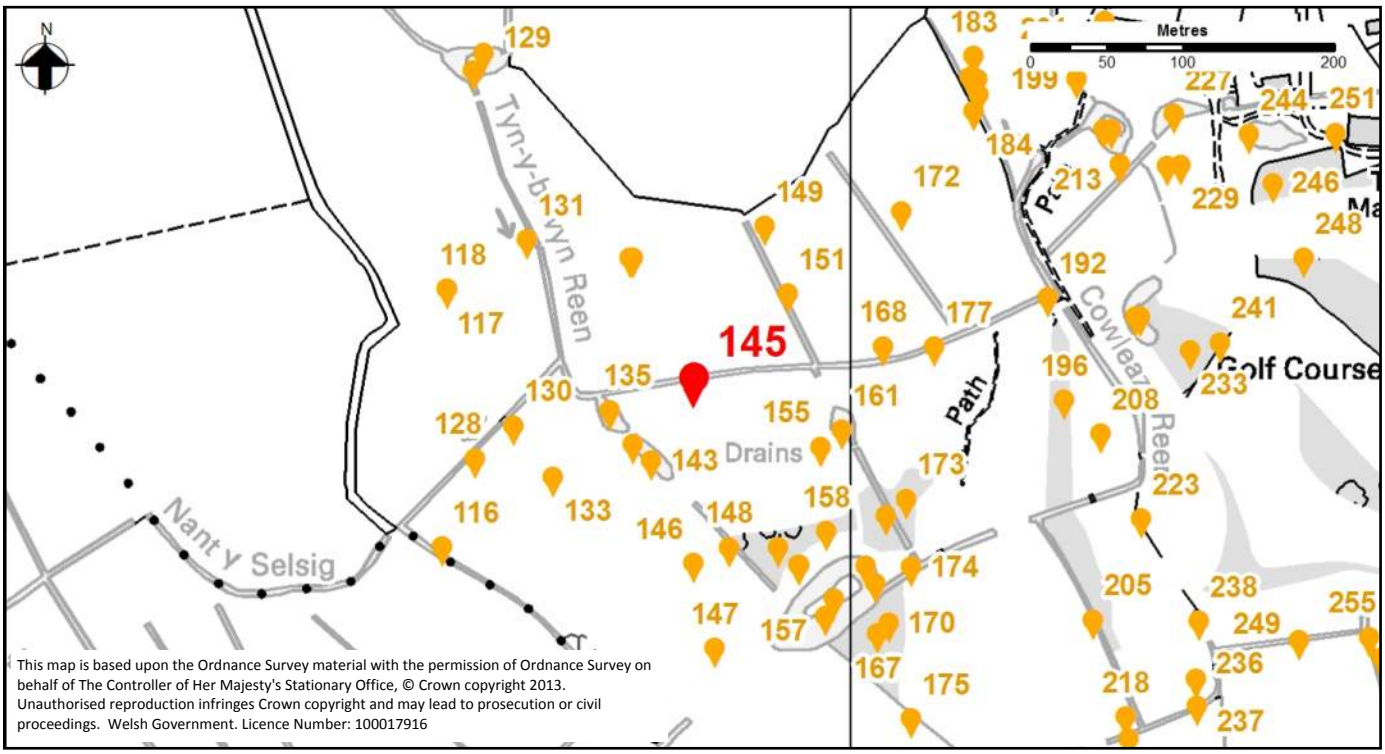

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	146	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Ash, alder, sycamore, cherry, willow

Potential for Protected Species:

Target Note Location Map:

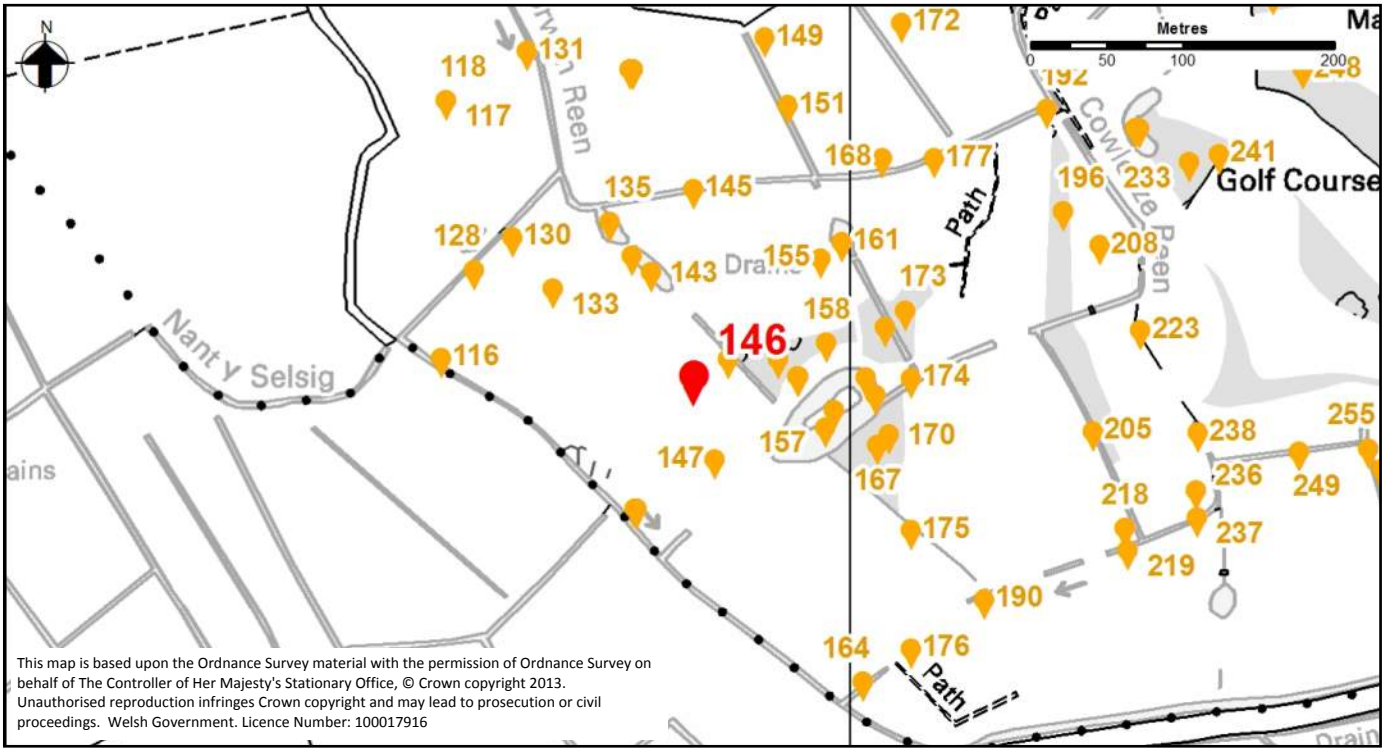

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	147	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Common reed, hard rush, silverweed, common nettle, hogweed, willowherb

Potential for Protected Species:

Target Note Location Map:

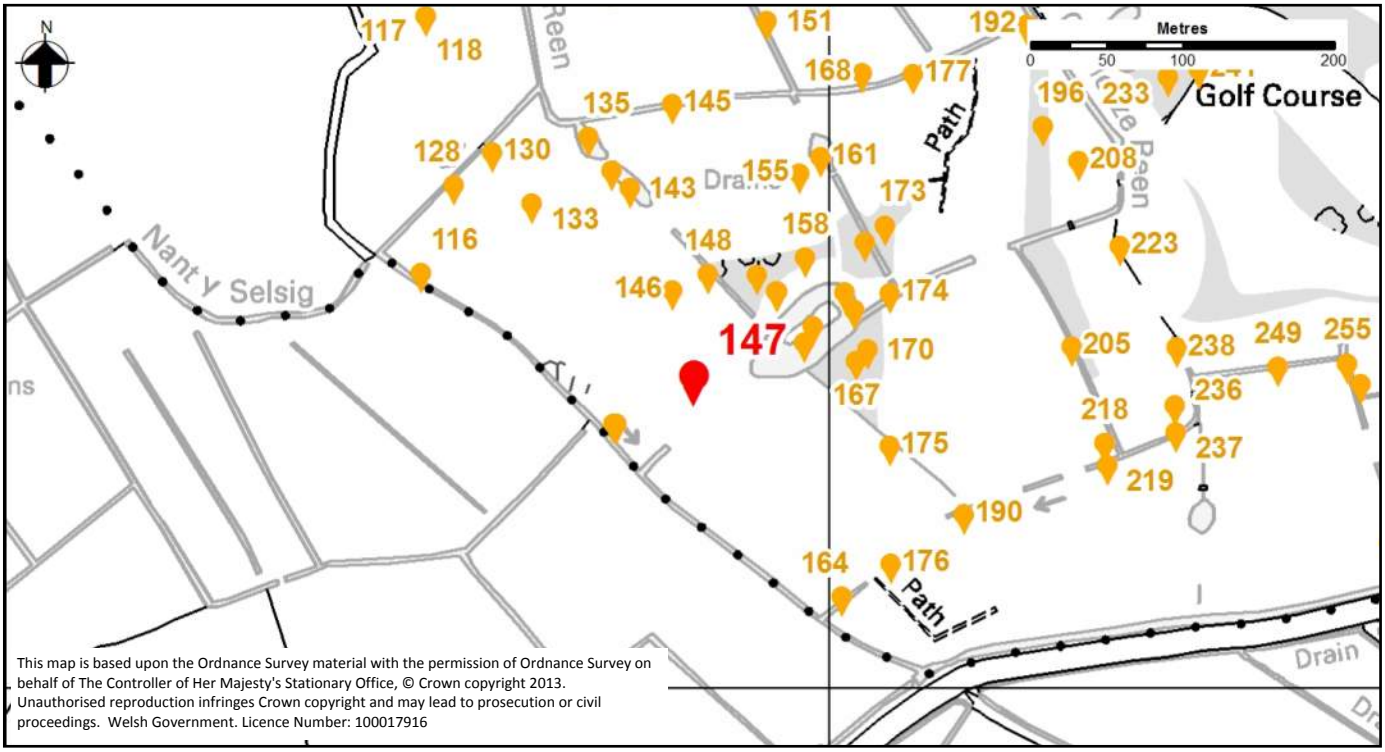

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	148	Date:		GPS:	51.54, -3.06

Dominant Habitats:

Target Note:

Common reed, watermint, waterdropwort

Potential for Protected Species:

Target Note Location Map:

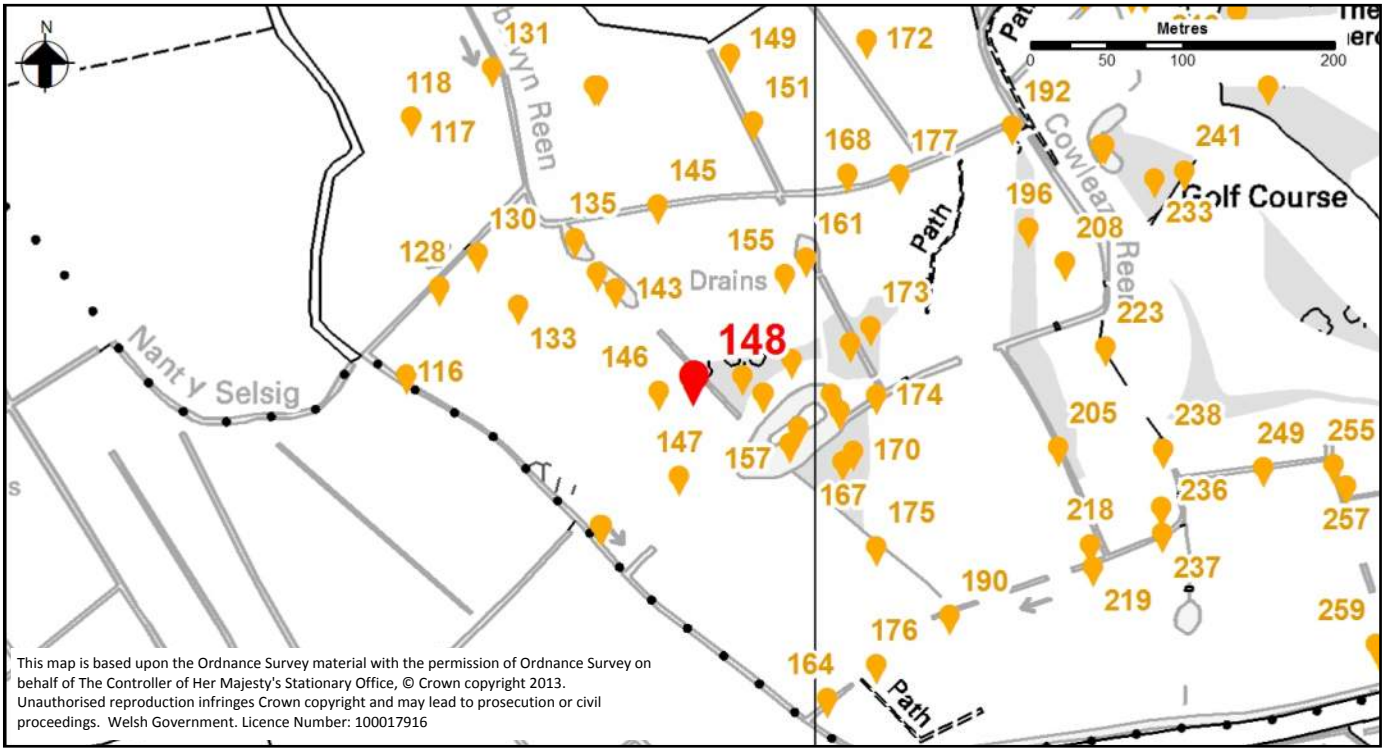

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	149	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Bramble, elder, common nettle.

Potential for Protected Species:

Target Note Location Map:

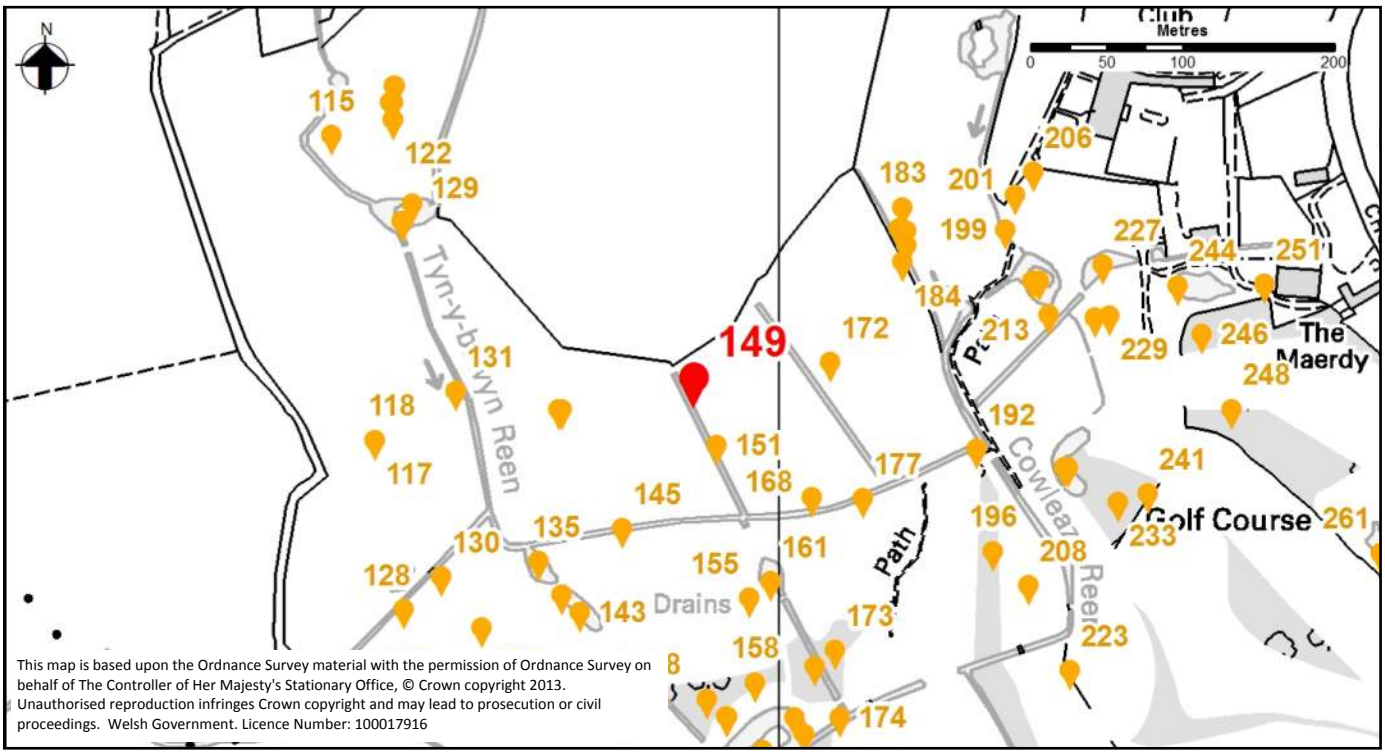

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	150	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Perennial ryegrass, Yorkshire fog, greater plantain, daisy.
Fauna:

emperor and common darter dragonflies

Potential for Protected Species:

Target Note Location Map:

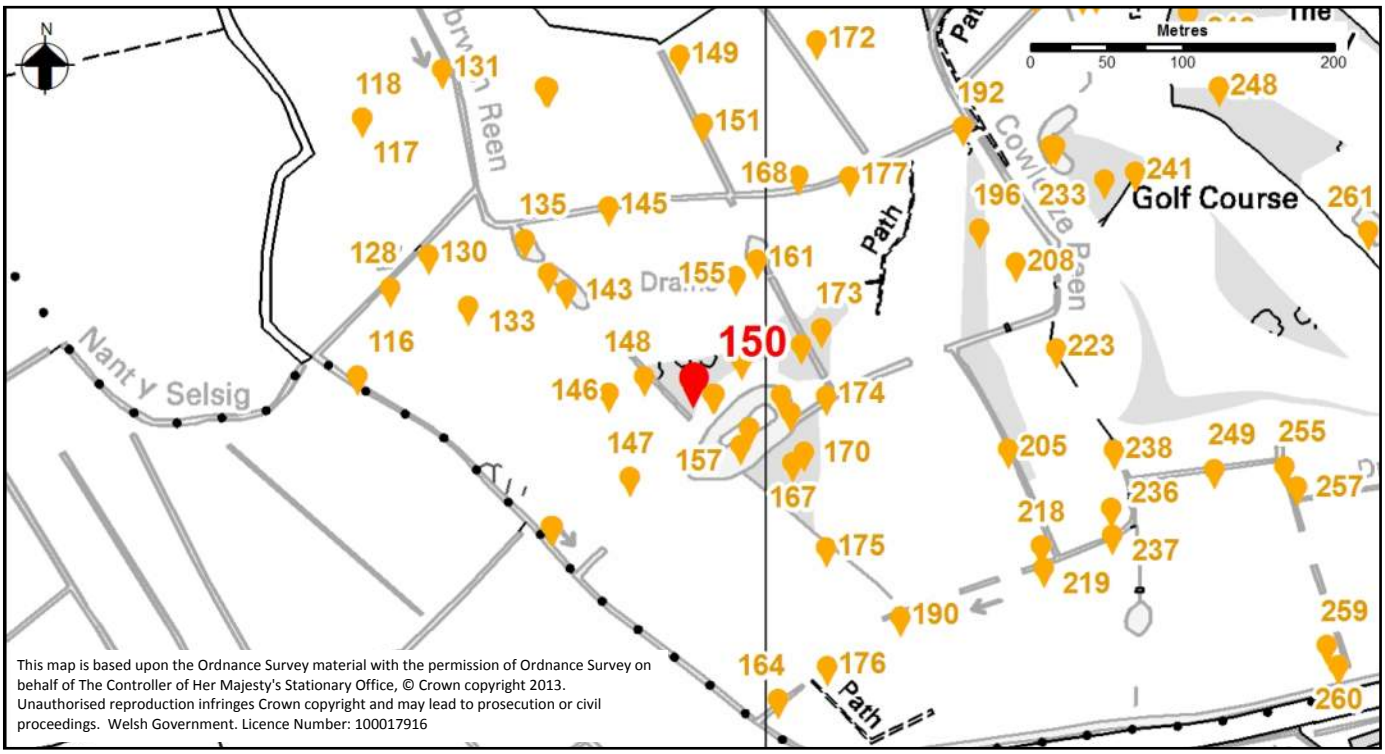

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	151	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Common reed, water mint, common bulrush, great willowherb

Potential for Protected Species:

Target Note Location Map:

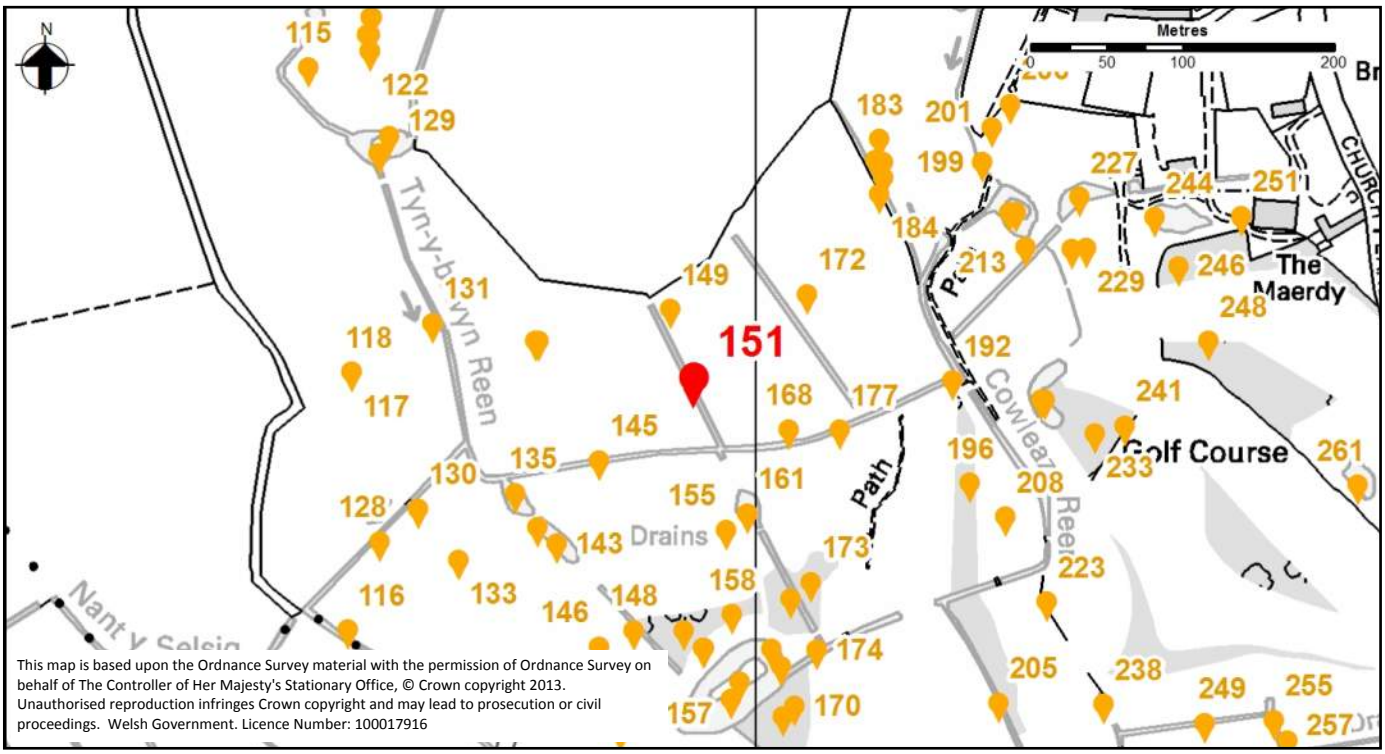

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	152	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Perennial ryegrass, Yorkshire fog, greater plantain, daisy. Emperor and common darter dragonflies.

Potential for Protected Species:

Target Note Location Map:

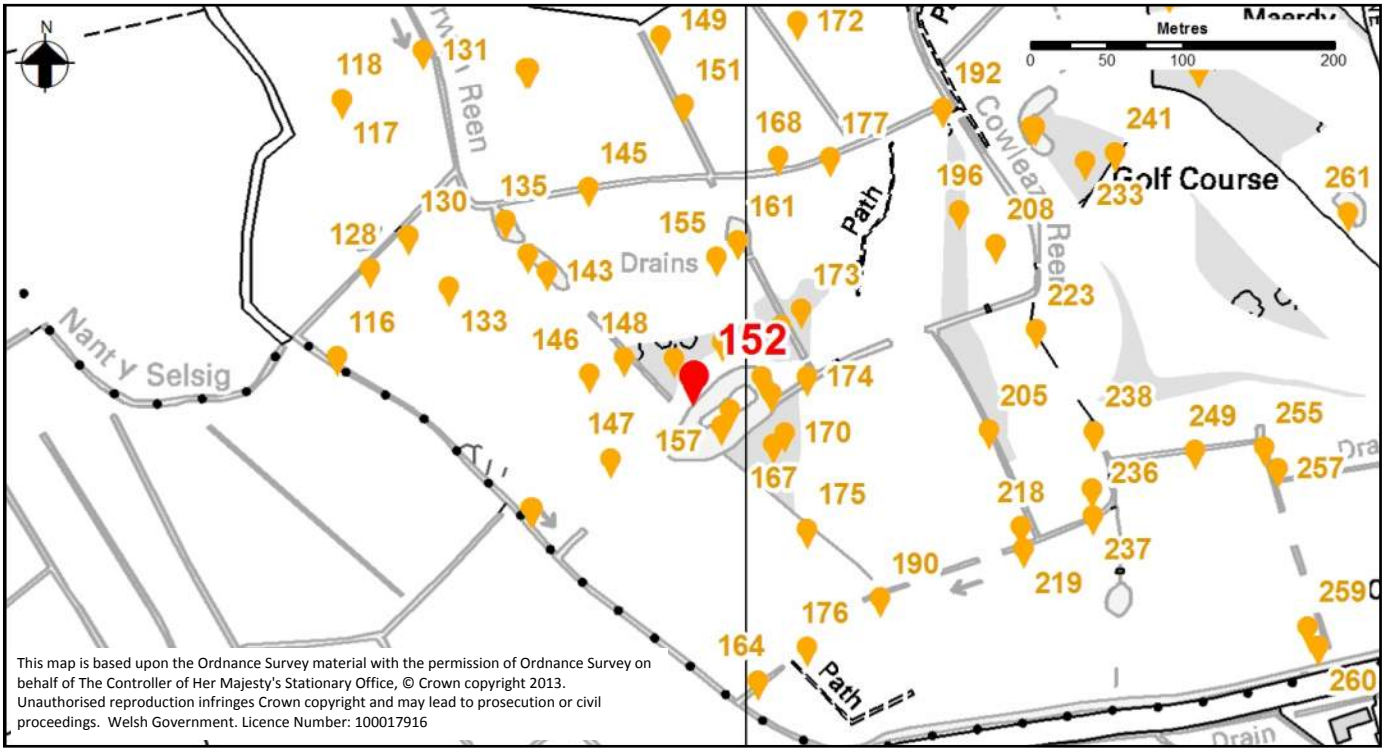

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	153	Date:	23-04-2014 11:23	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland and hedgerow

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

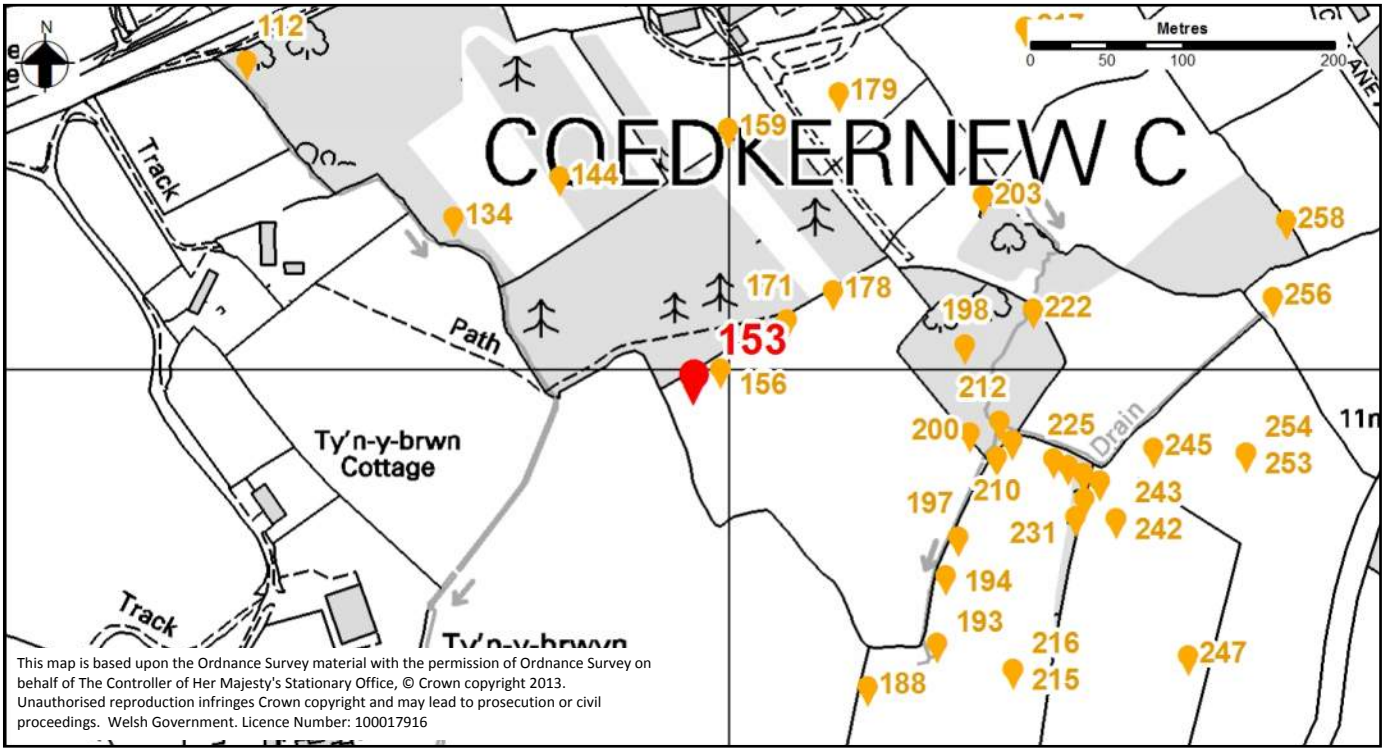

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	154	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Perenial ryegrass, Yorkshire fog, greater plantain, daisy, emperor and common darter dragonflies,

Potential for Protected Species:

Target Note Location Map:

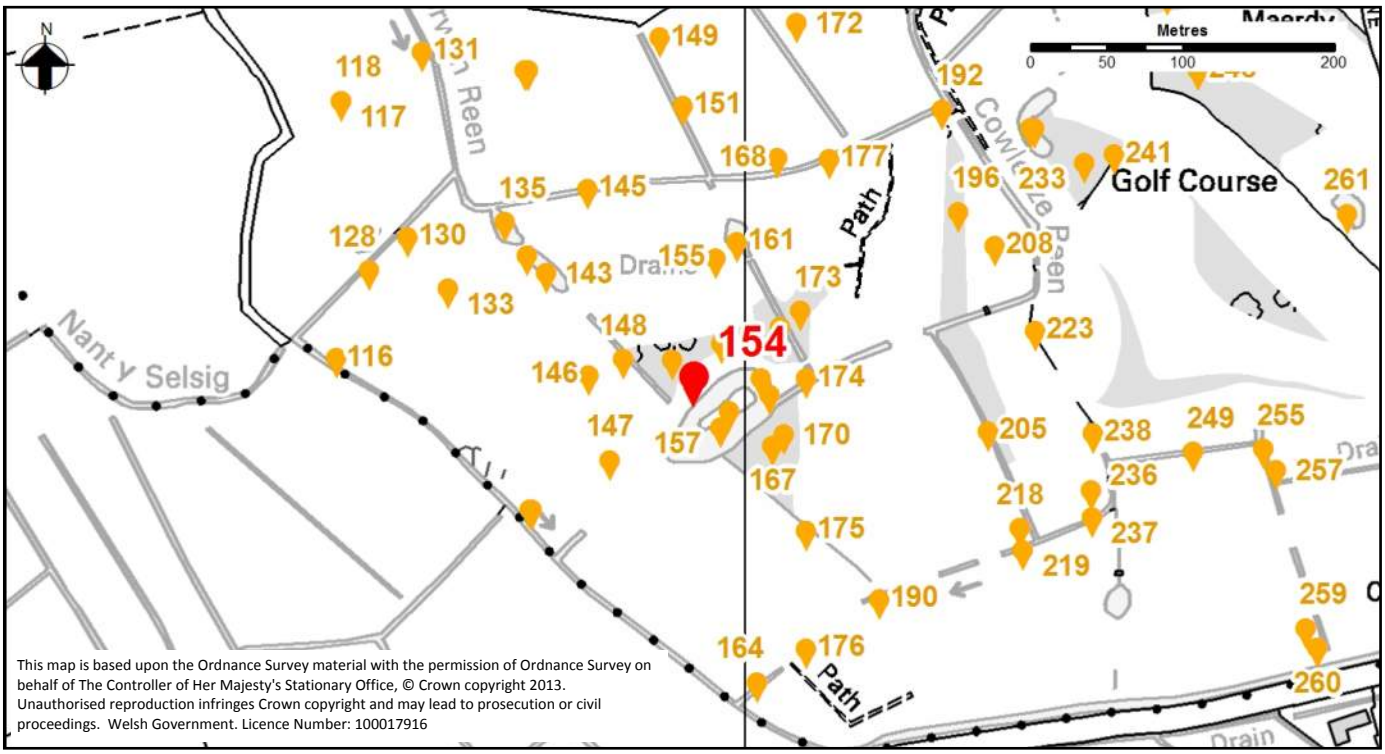

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	155	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Birch, willow, sycamore

Potential for Protected Species:

Target Note Location Map:

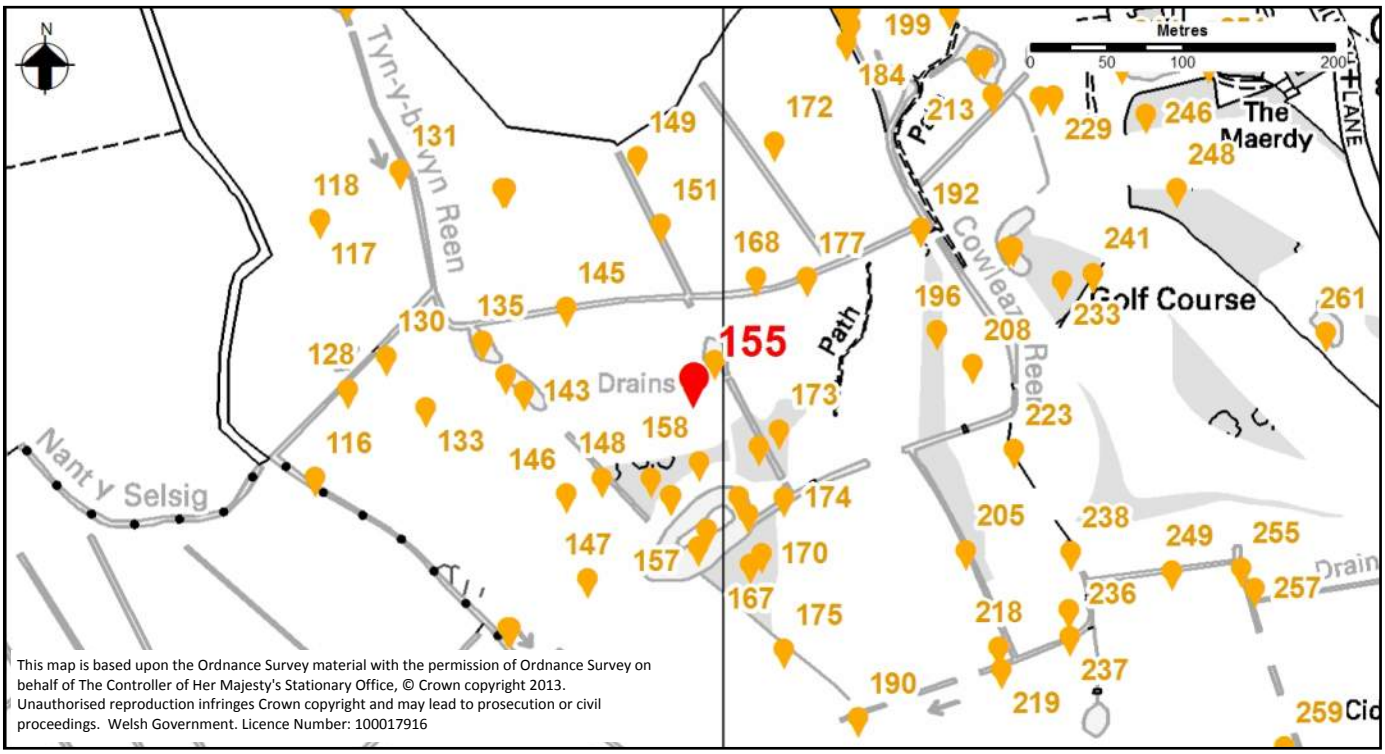

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	156	Date:	26-03-2014 14:01	GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

No hairs as evidence for badger ID, but mammal pathway present leading from orchard to woodland

Potential for Protected Species:

Potential badger

Target Note Location Map:

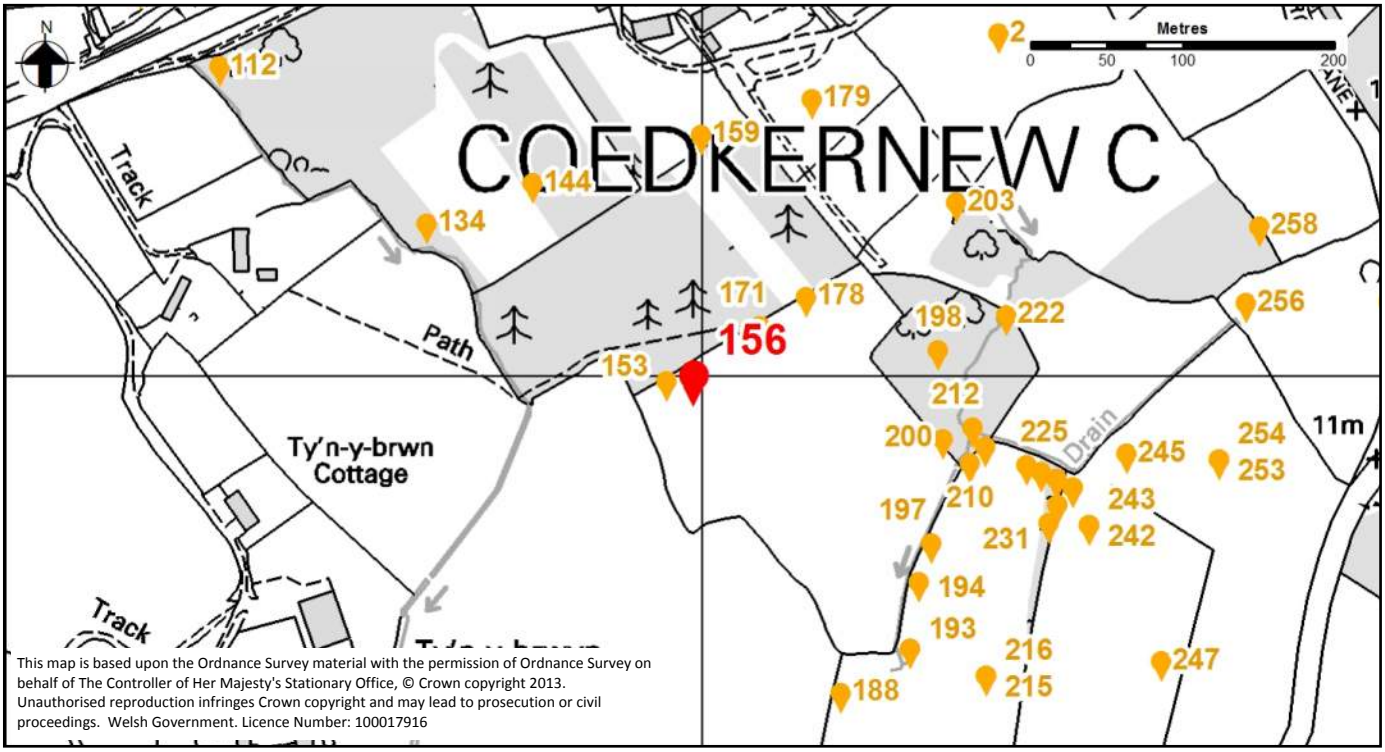

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	157	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, willow sp.

Potential for Protected Species:

Target Note Location Map:

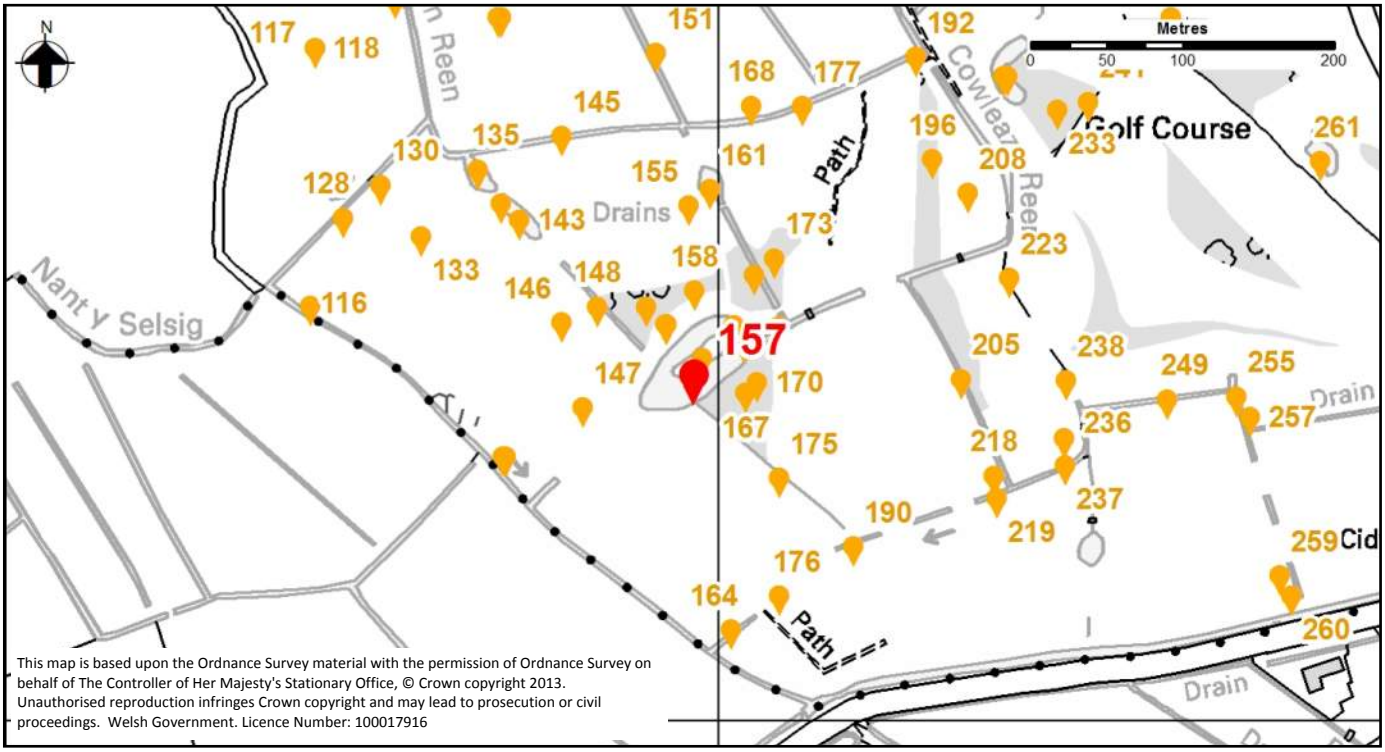

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	158	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Two willow trees, dogwood, alder, conifer, birch, lime, sycamore, ash, cherry.
Understorey: fern, bramble

Potential for Protected Species:

Target Note Location Map:

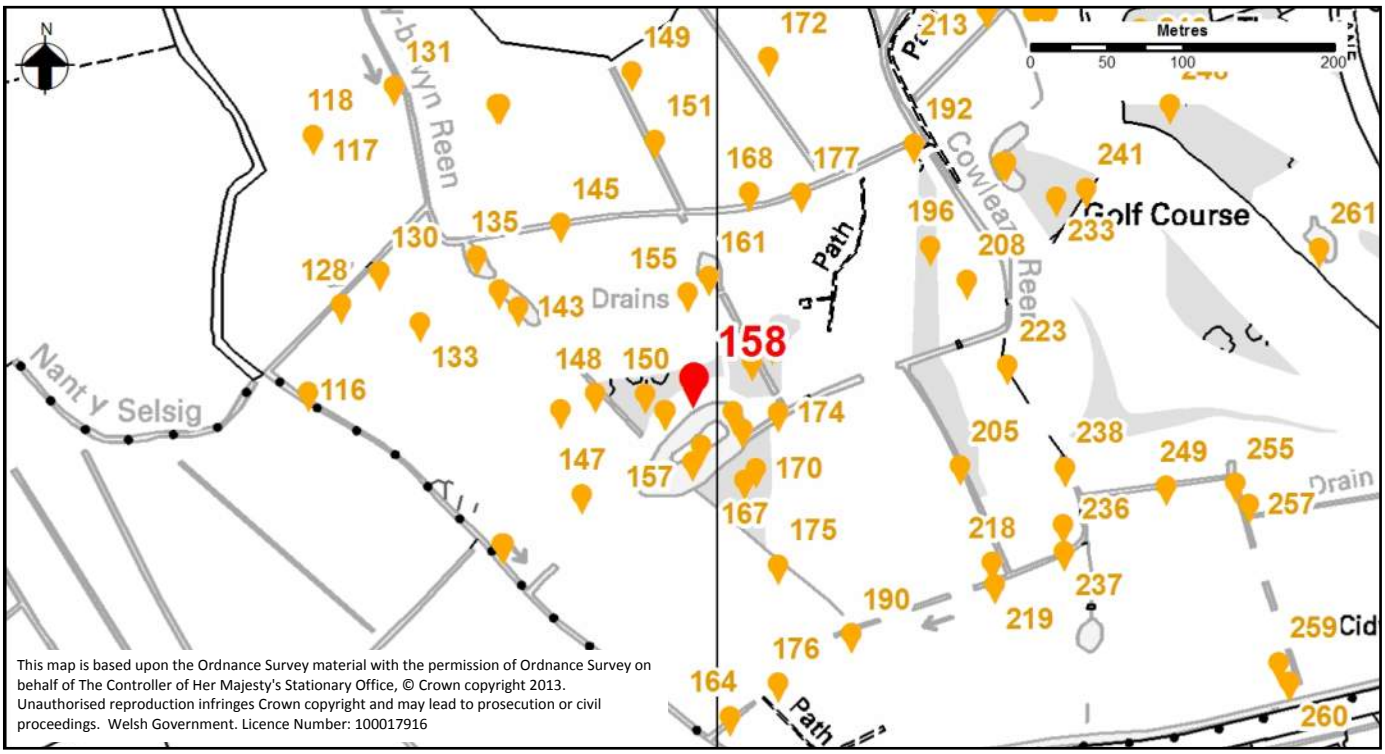

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	159	Date:	23-04-2014 11:14	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

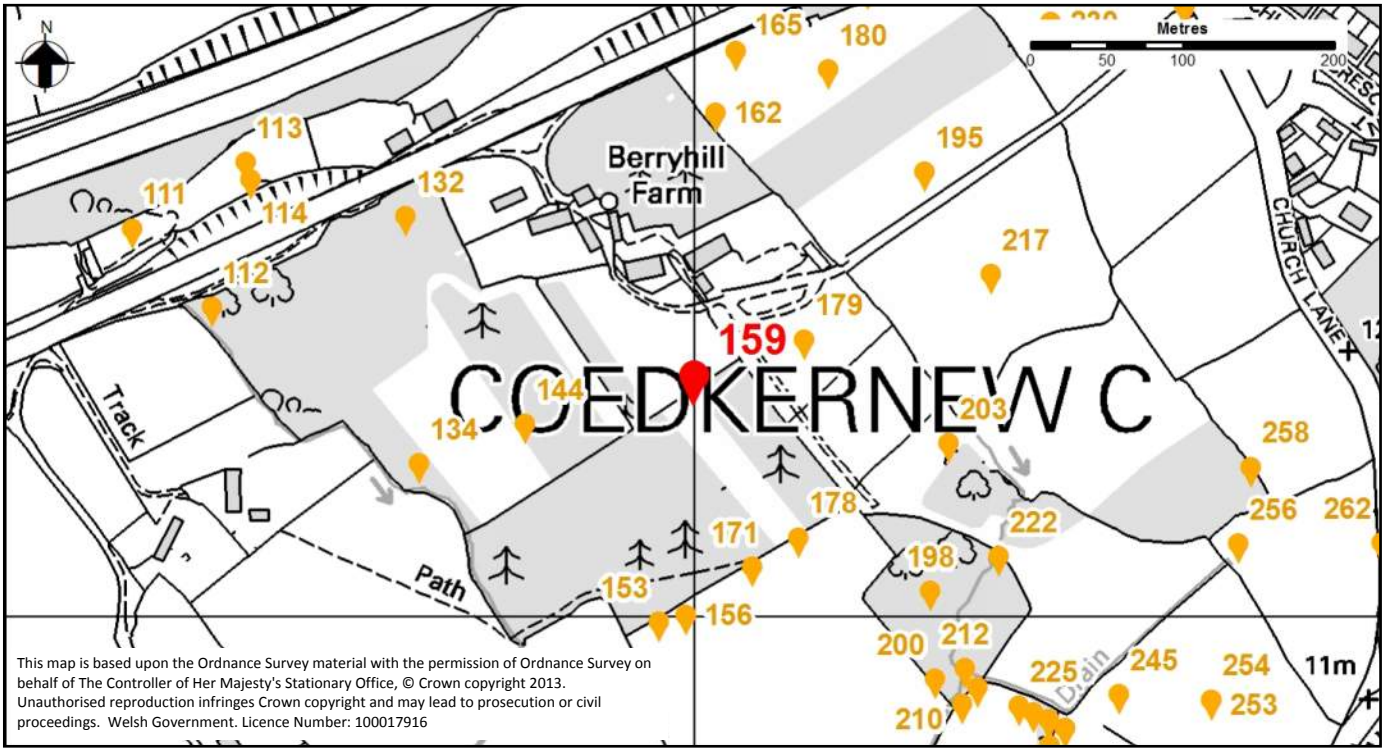

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	160	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Willow species., dogwood, alder, conifer, birch, lime, sycamore, ash, cherry. Understorey: fern, bramble

Potential for Protected Species:

Target Note Location Map:

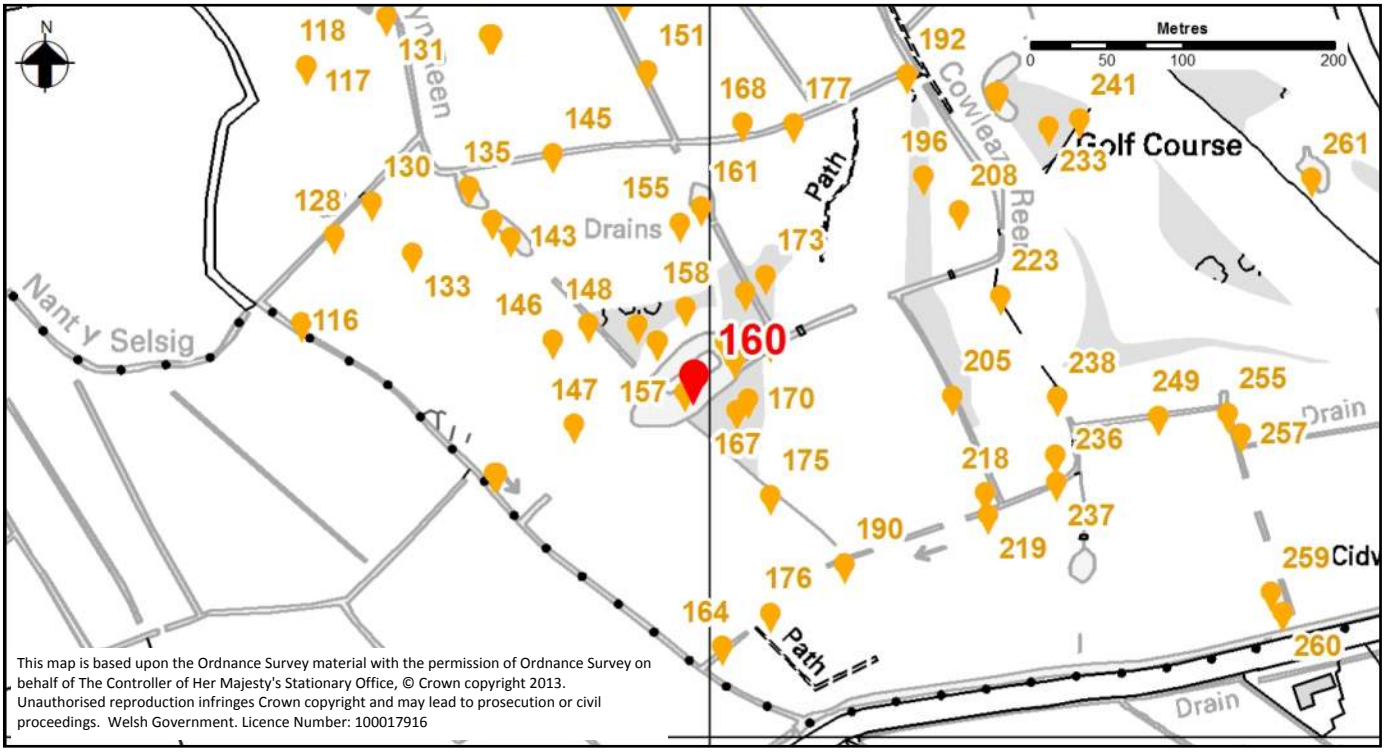

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	161	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, nettle

Potential for Protected Species:

Target Note Location Map:

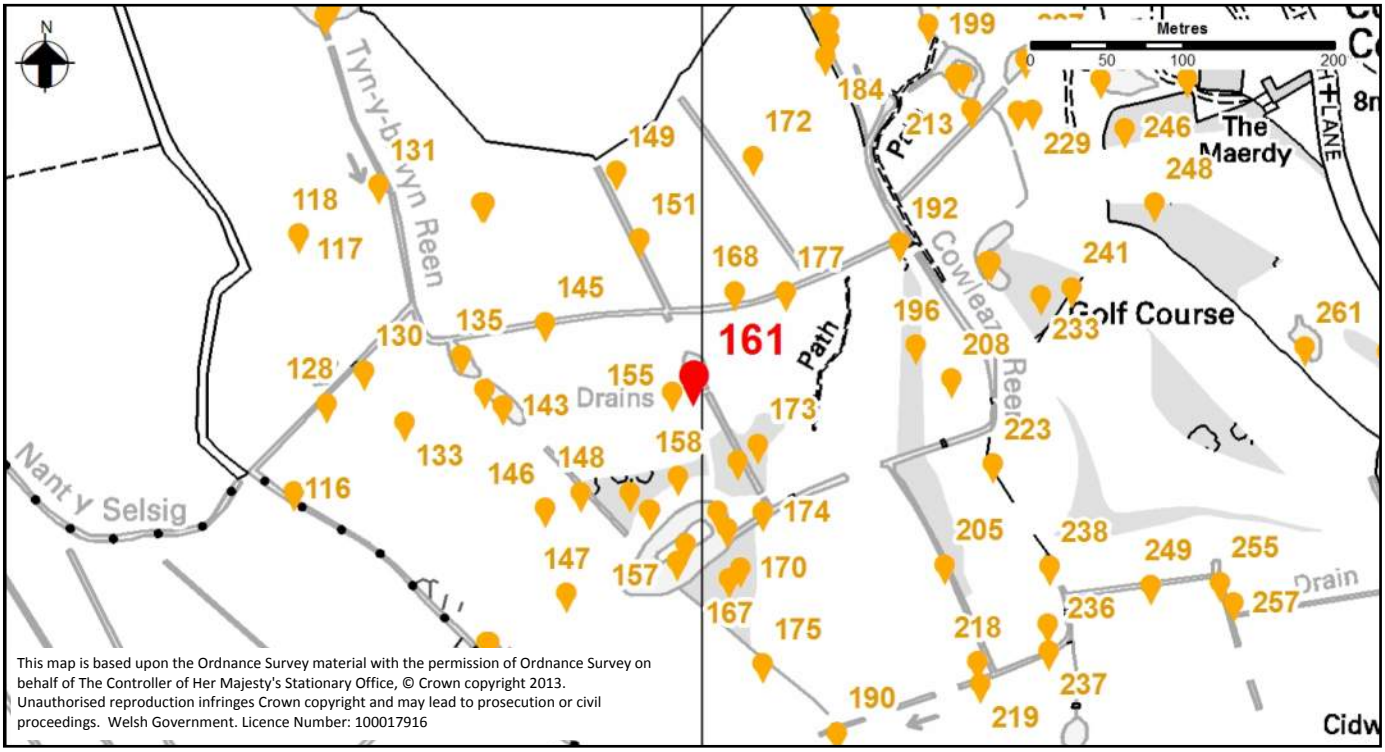

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	162	Date:	30-10-2014 13:49	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland/hedgerow with trees

Target Note:

Mammal pathway parallel to hedgerow

Potential for Protected Species:

Target Note Location Map:

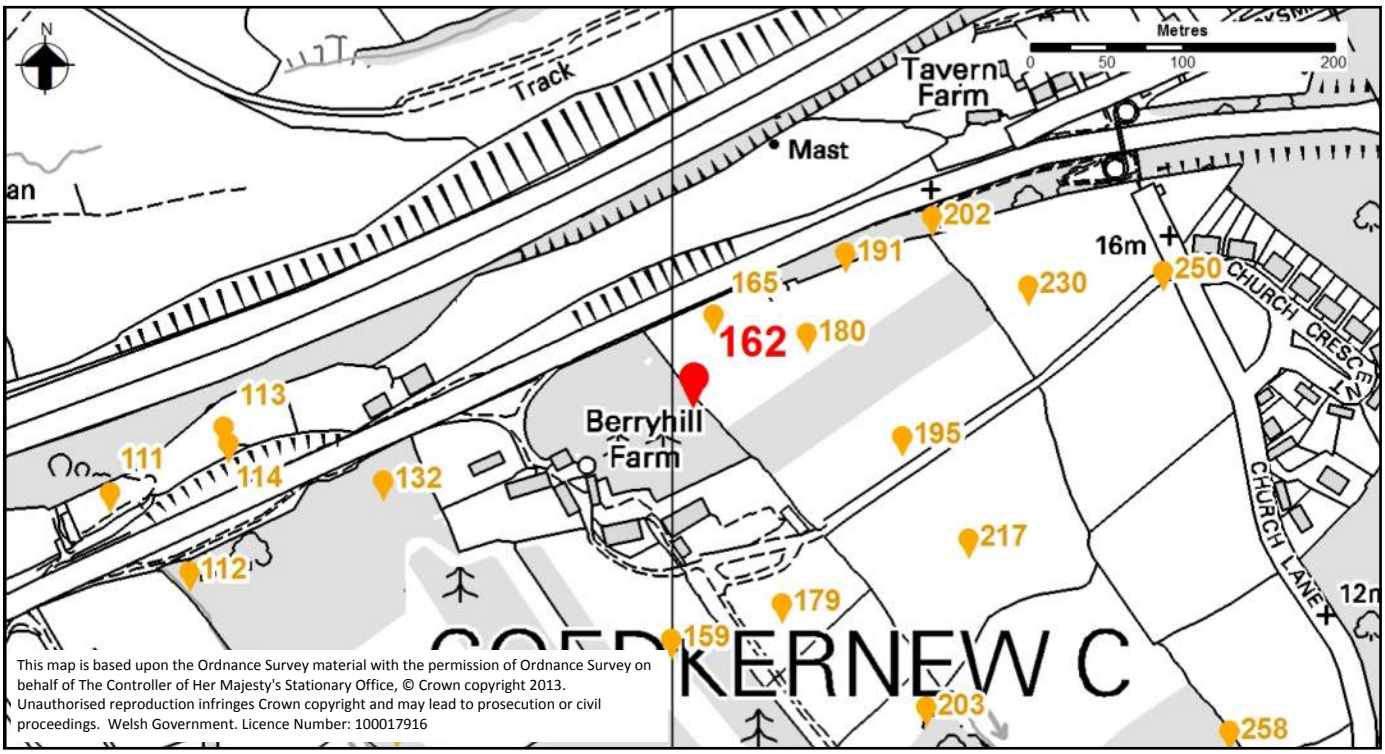

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	163	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Willow species., dogwood, alder, conifer, birch, lime, sycamore, ash, cherry. Understorey: fern, bramble

Potential for Protected Species:

Target Note Location Map:

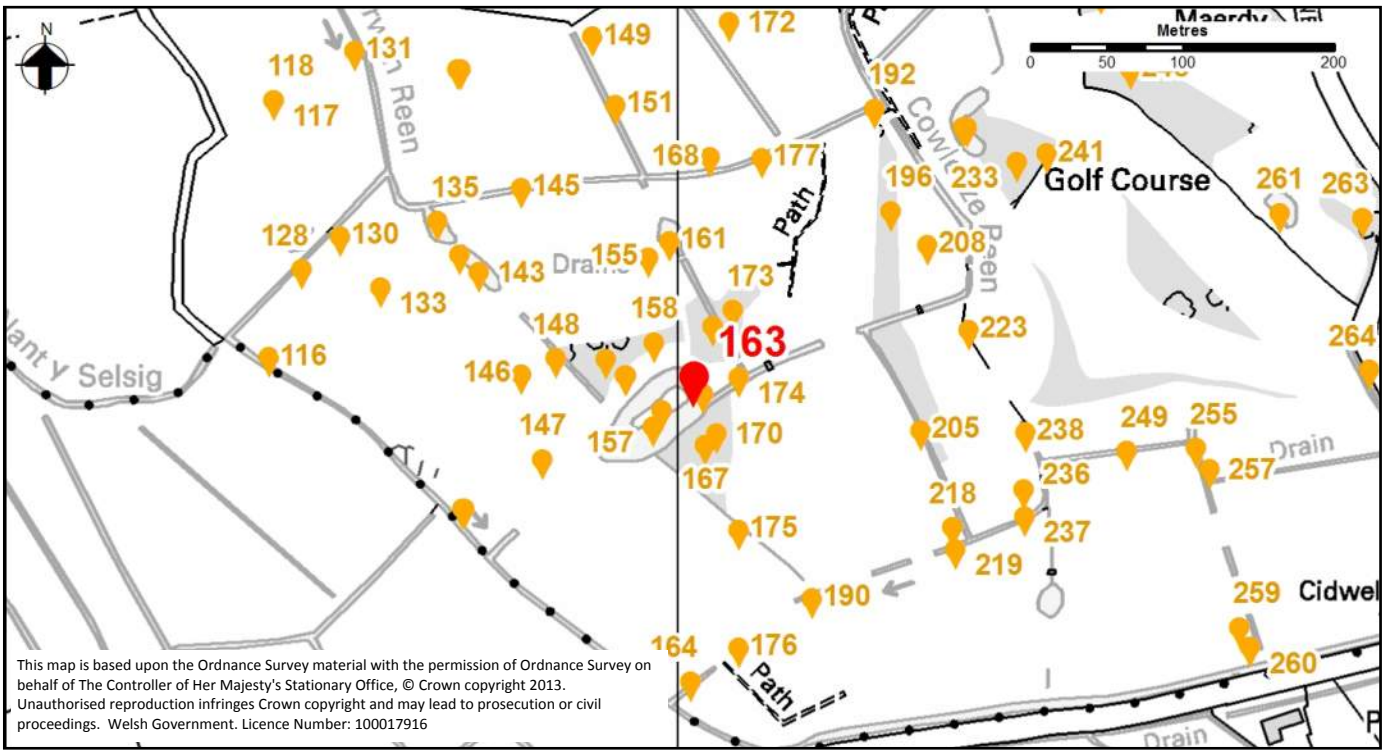

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	164	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, common nettle

Potential for Protected Species:

Target Note Location Map:

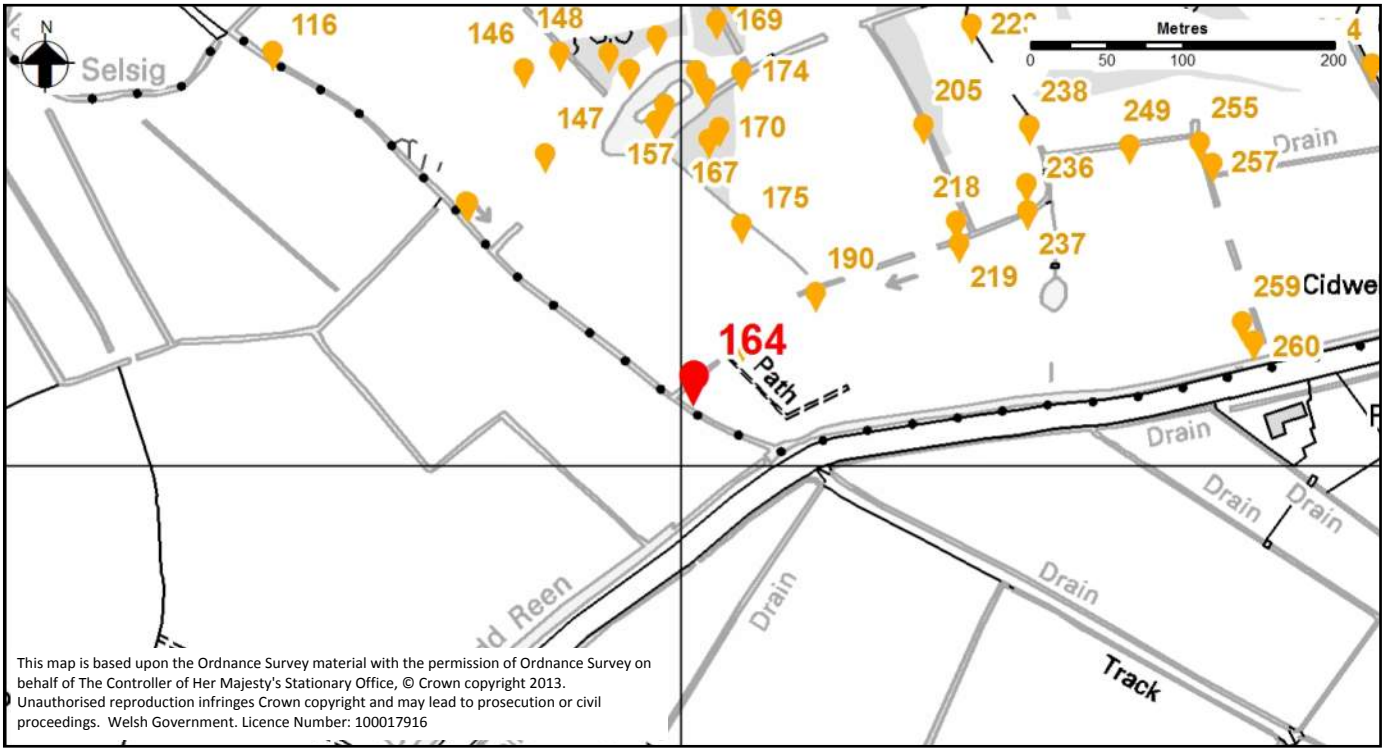

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	165	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Ash, bramble, travellers joy, hazel.
Long tailed tits, badger potential

Potential for Protected Species:

Badger

Target Note Location Map:

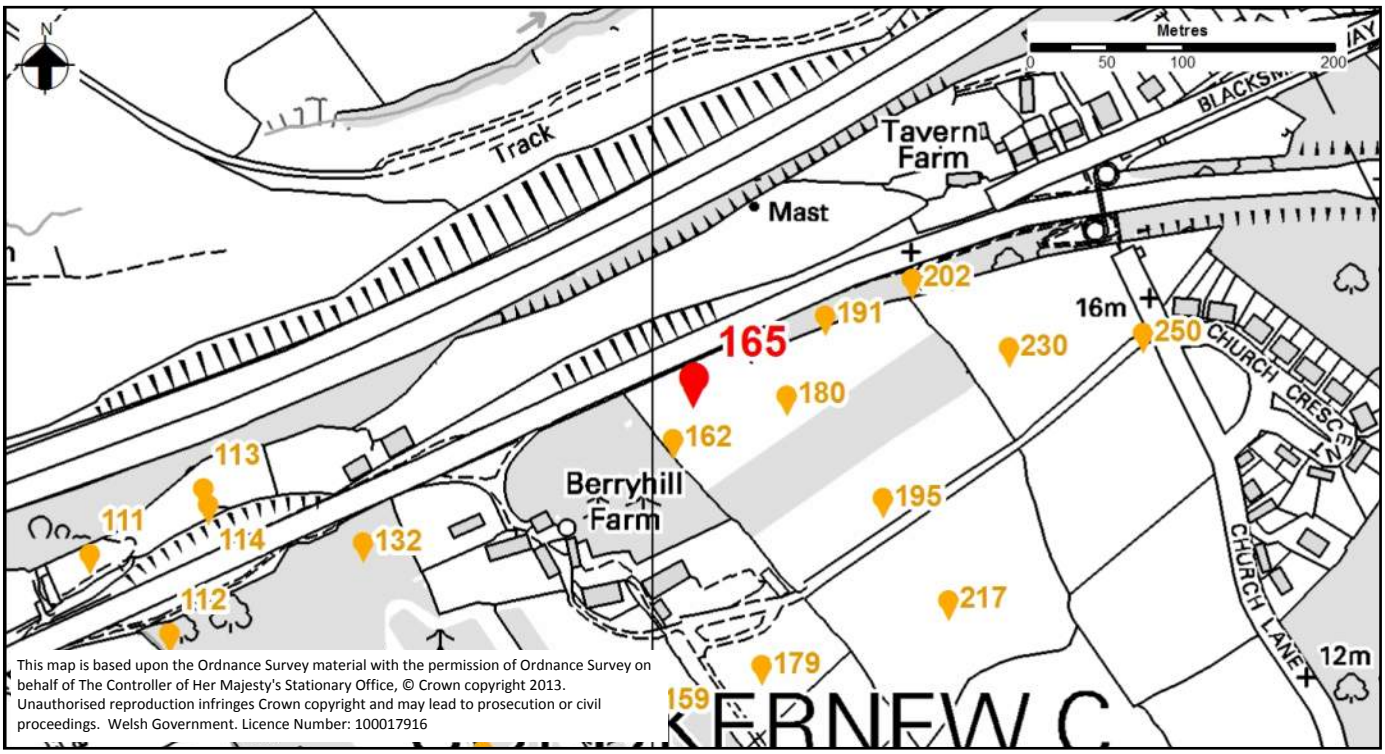

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	166	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Perenial ryegrass, yorkshire fog, greater plantain, daisy. Emperor and common darter dragonflies

Potential for Protected Species:

Target Note Location Map:

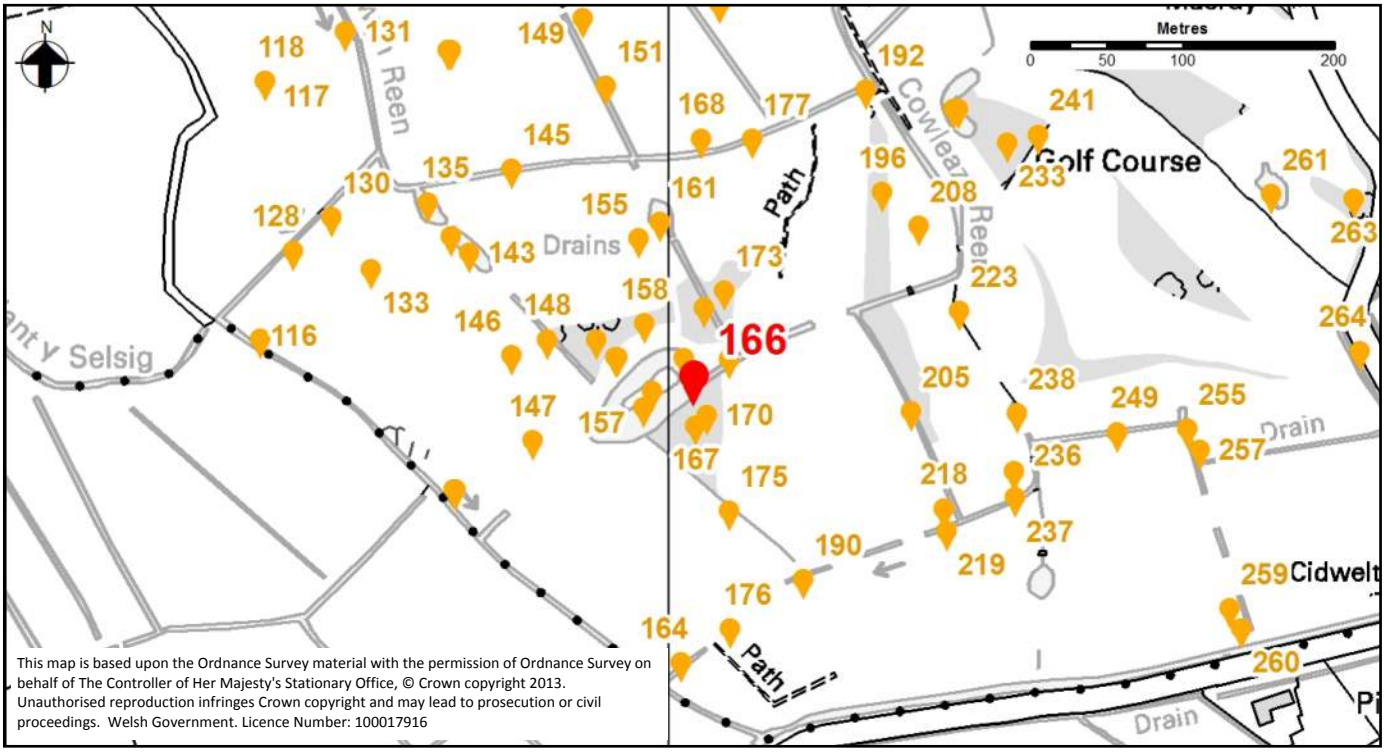

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	167	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Willow species., dogwood, alder, conifer, birch, lime, sycamore, ash, cherry. Understorey: fern, bramble

Potential for Protected Species:

Target Note Location Map:

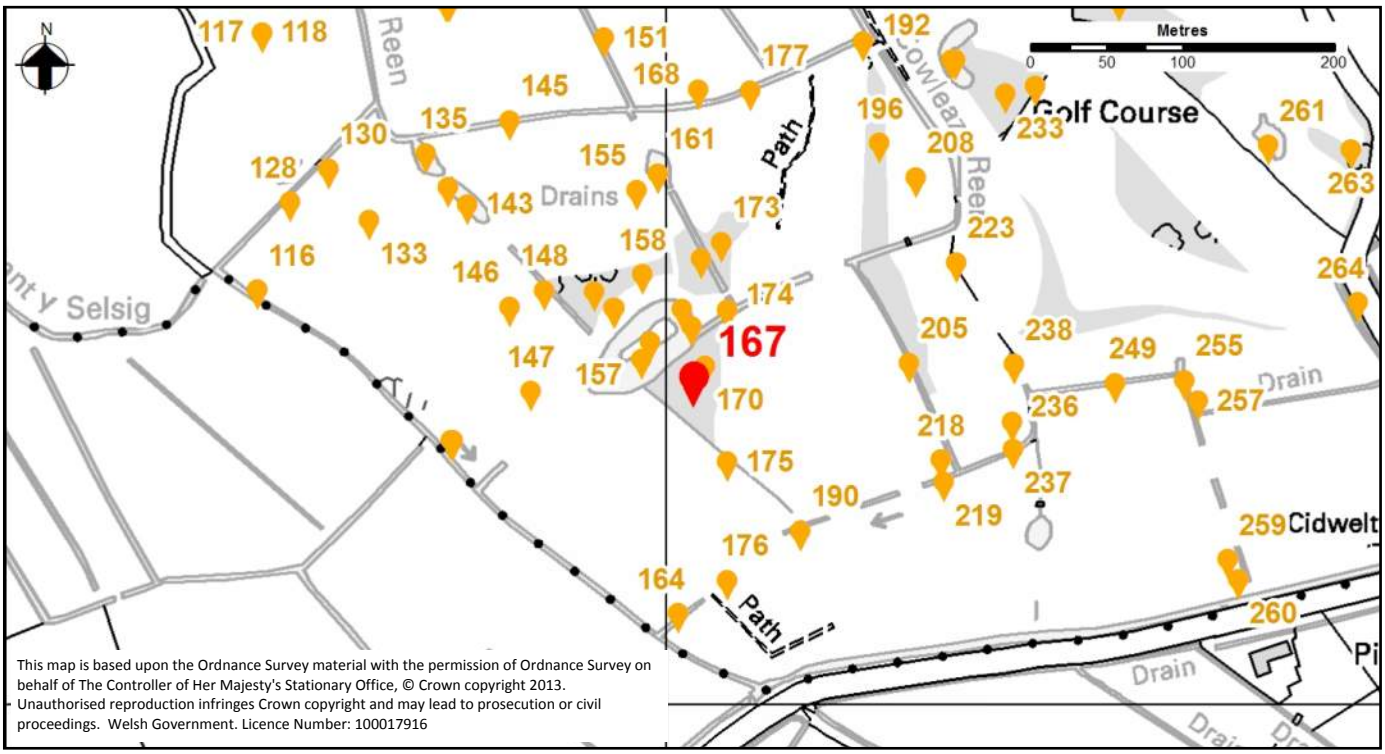

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	168	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Bramble, willow, common reed, water dropwort

Potential for Protected Species:

Target Note Location Map:

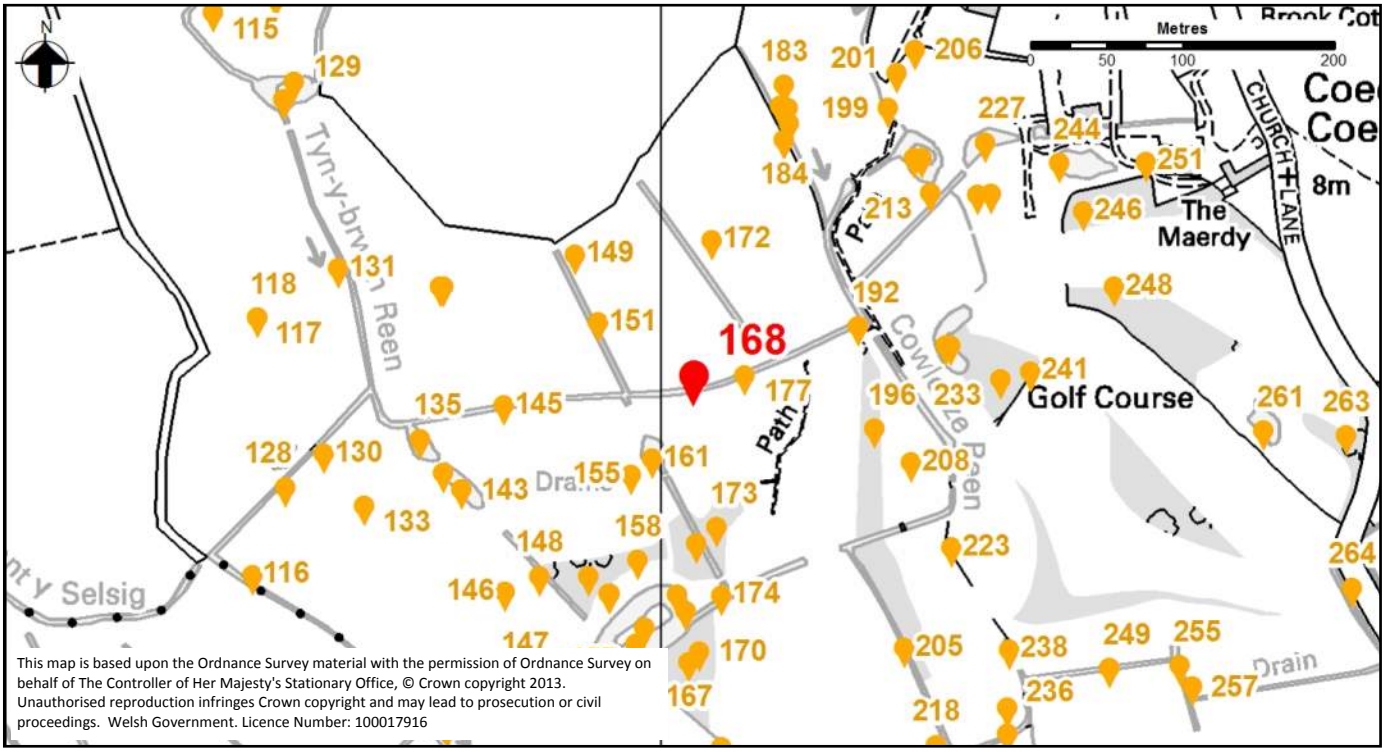

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	169	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Orange balsam, common reed, nettle

Potential for Protected Species:

Target Note Location Map:

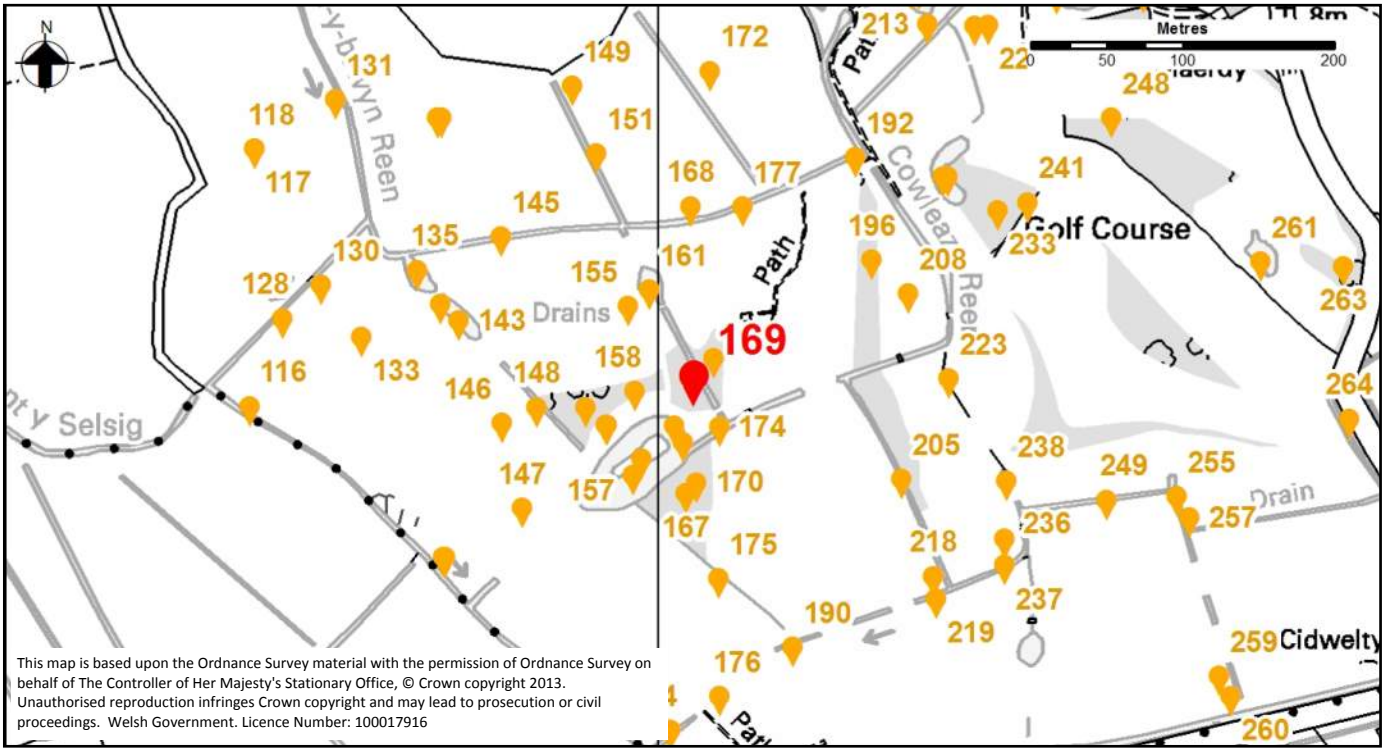

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	170	Date:	22-08-2014	GPS:	51.54, -3.05

Dominant Habitats:

Small section of planted woodland

Potential for Protected Species:

Reptiles (grass snake/slow worm)

Target Note:

Cuttings from golf course dumped and composting down

Target Note Location Map:

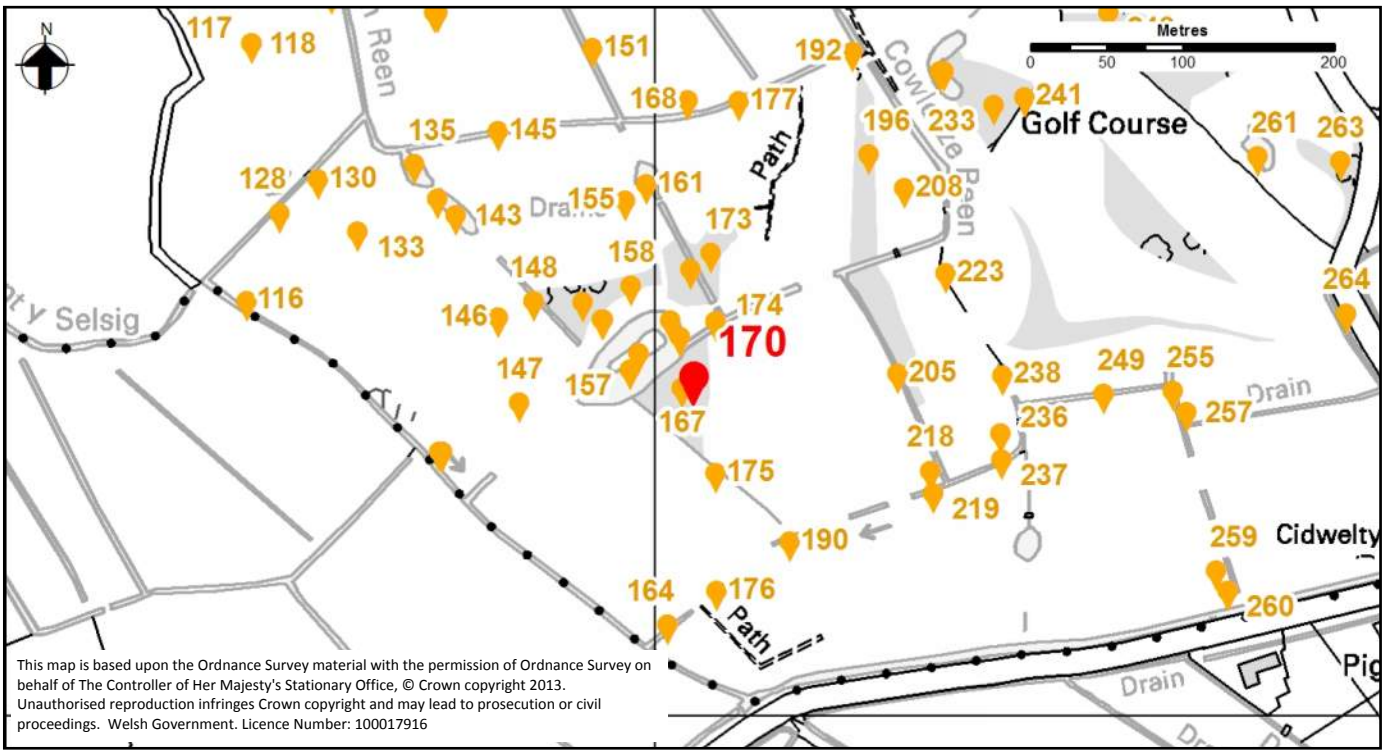

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	171	Date:	23-04-2014 11:21	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

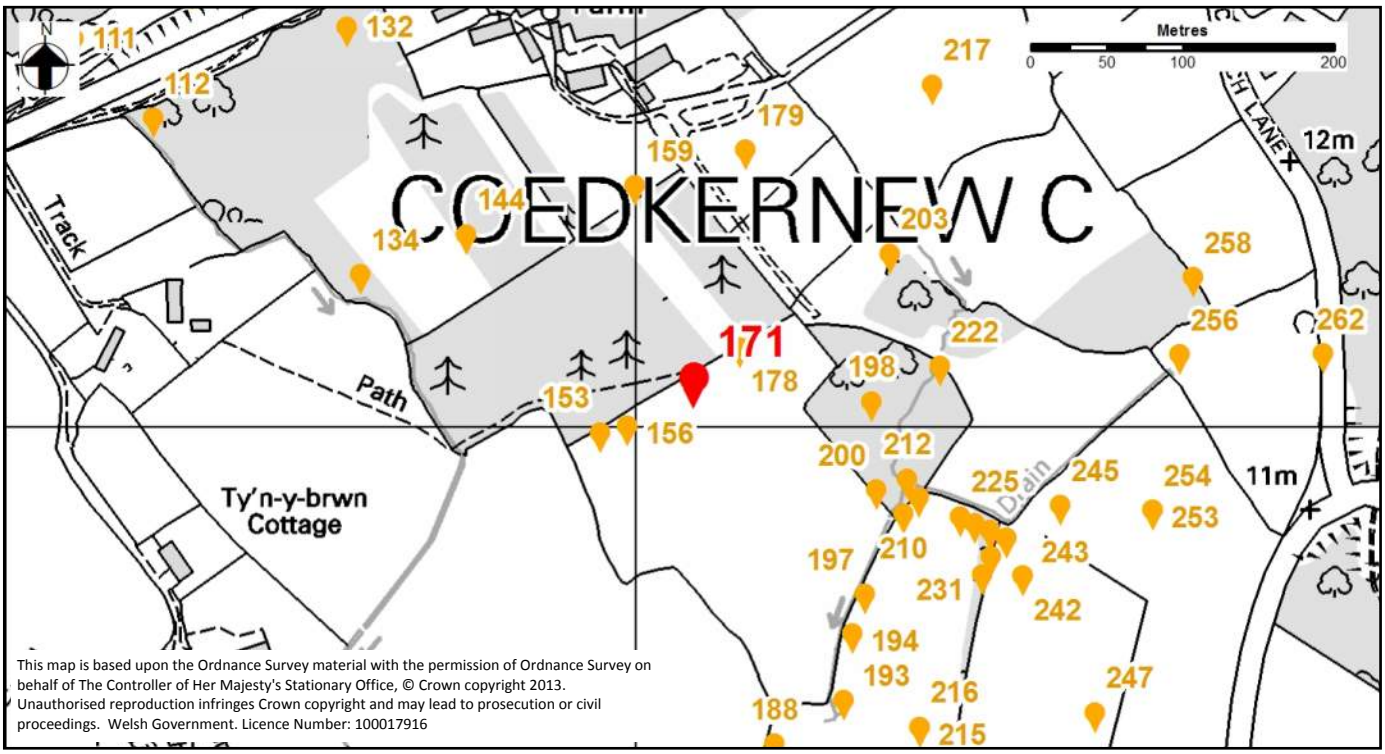

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	172	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Juncus, soft rush >25%, red fescue, creeping and meadow buttercup, meadow foxtail, dock sp., willowherb sp.

Potential for Protected Species:

Target Note Location Map:

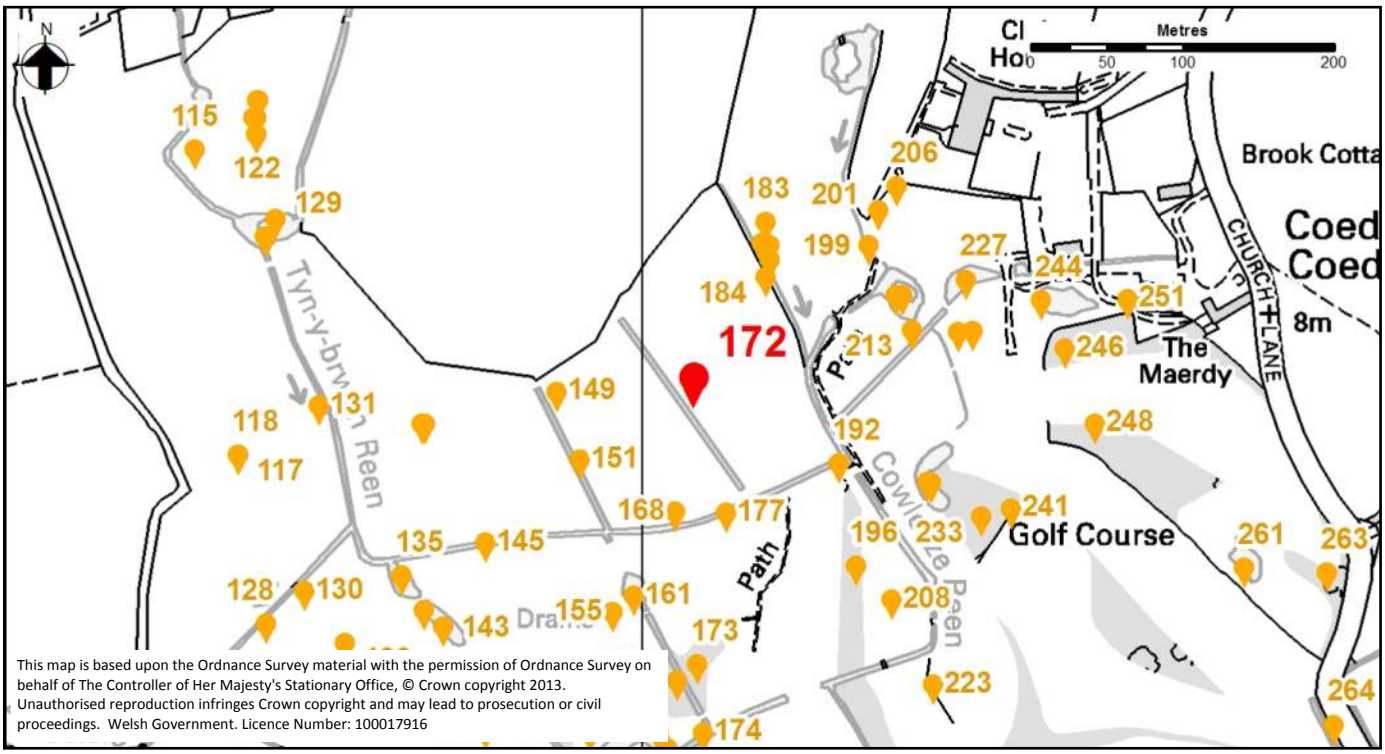

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	173	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Willow species., dogwood, alder, conifer, birch, lime, sycamore, ash, cherry. Understorey: fern, bramble

Potential for Protected Species:

Target Note Location Map:

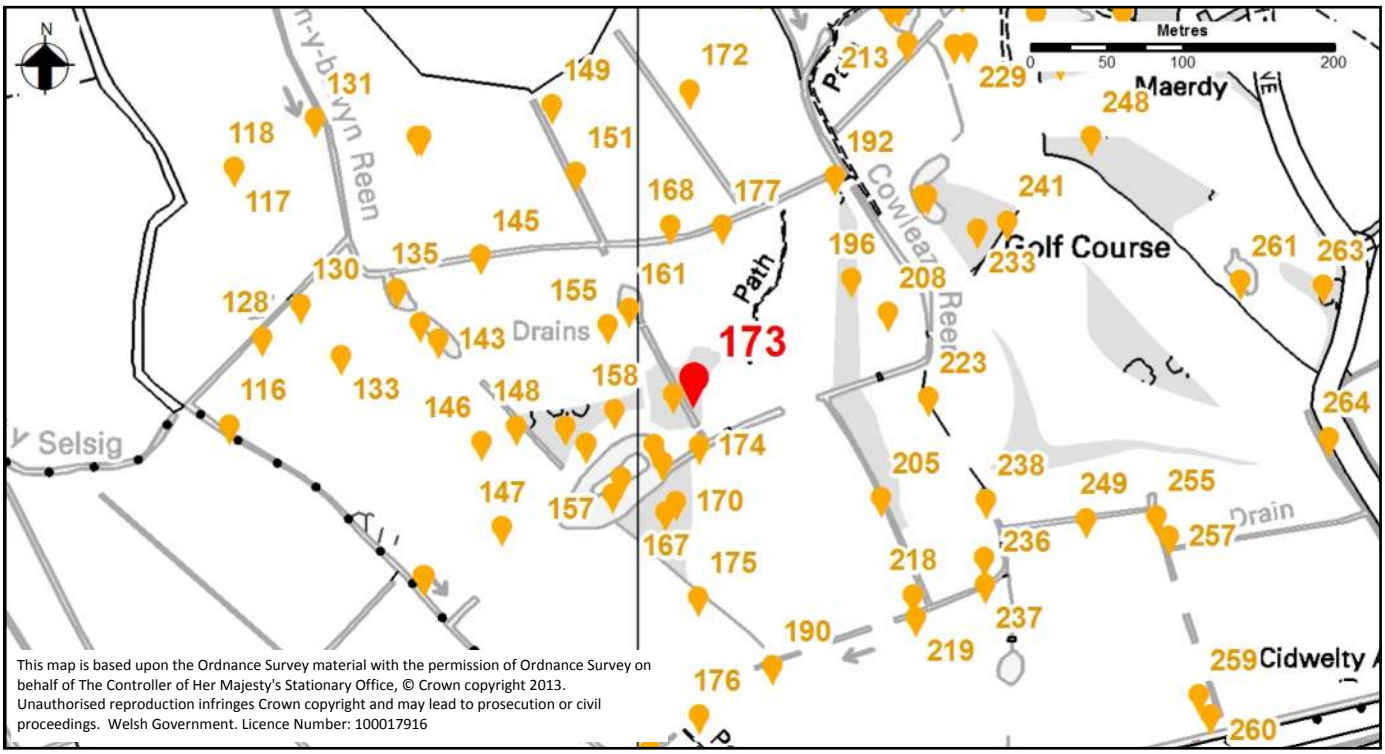

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	174	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Perennial ryegrass, Yorkshire fog, greater plantain, daisy. Emperor and common darter dragonflies

Potential for Protected Species:

Target Note Location Map:

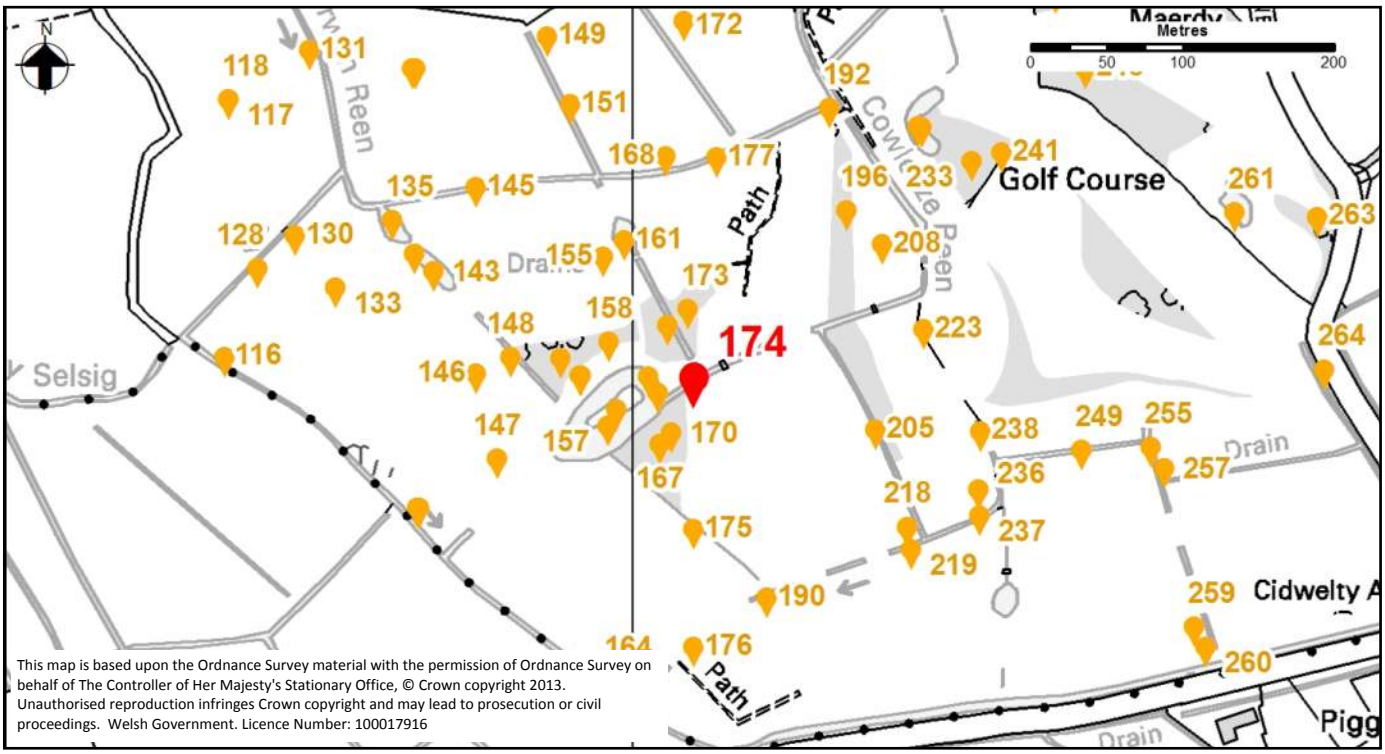

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	175	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, common nettle

Potential for Protected Species:

Target Note Location Map:

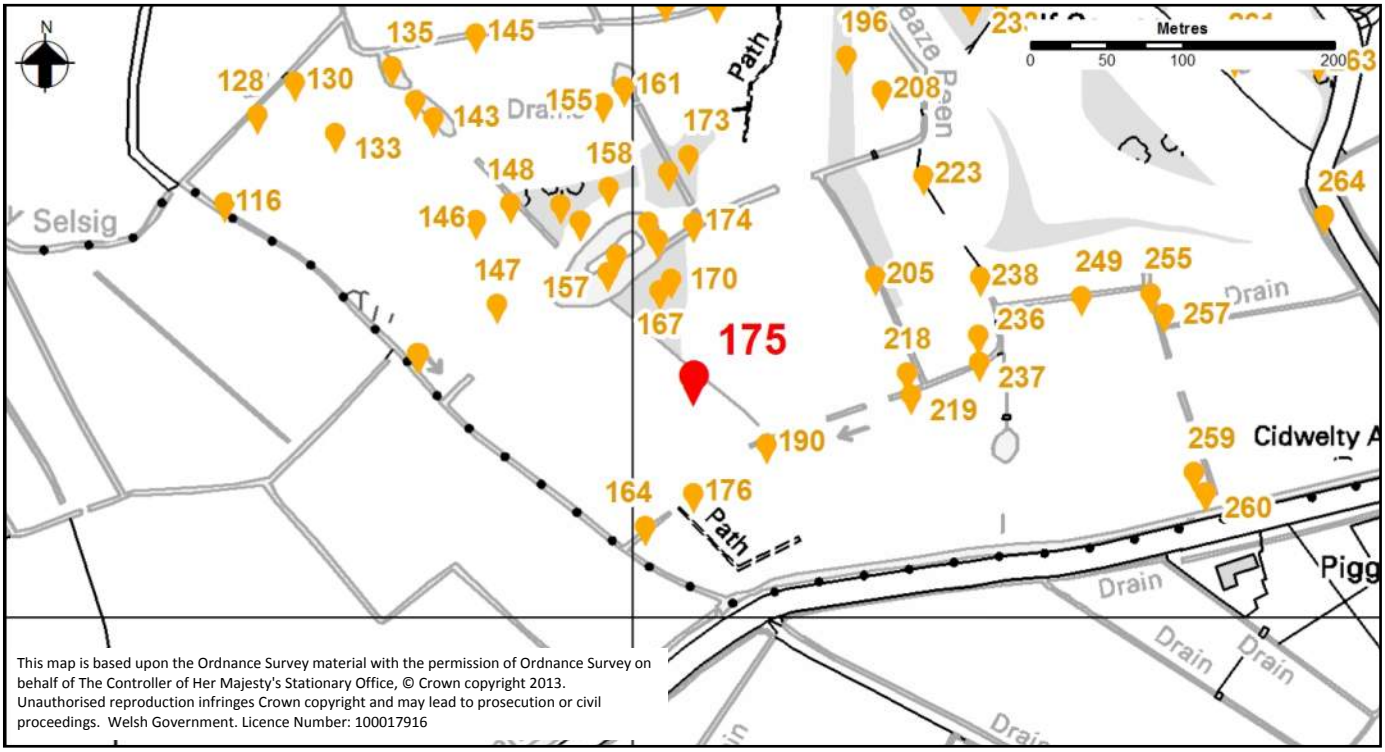

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	176	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Box, common reed, nettle, bramble, narrow leaf dock, spear thistle

Potential for Protected Species:

Target Note Location Map:

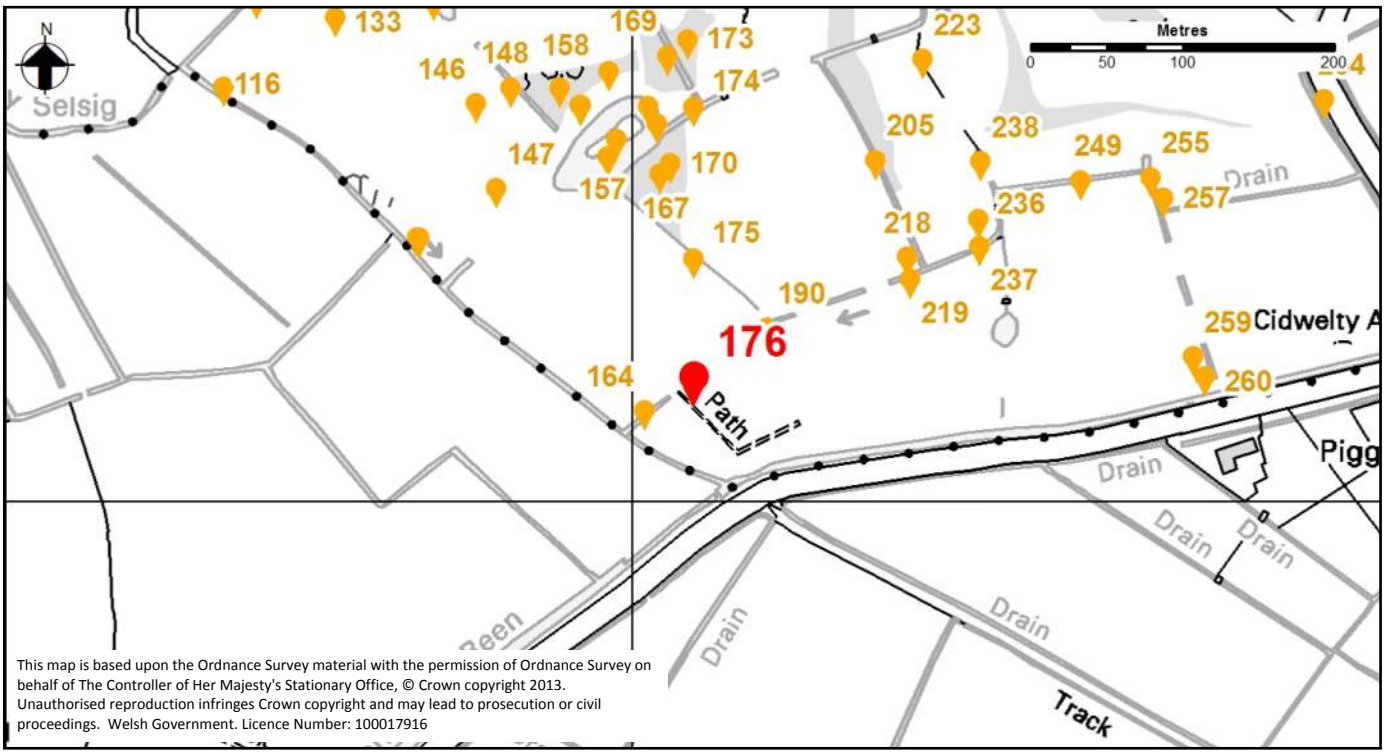

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	177	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, common nettle, hemlock water dropwort.
Overshadowing from willow sp., alder and oak trees.
Badger scats x2

Potential for Protected Species:

Badger

Target Note Location Map:

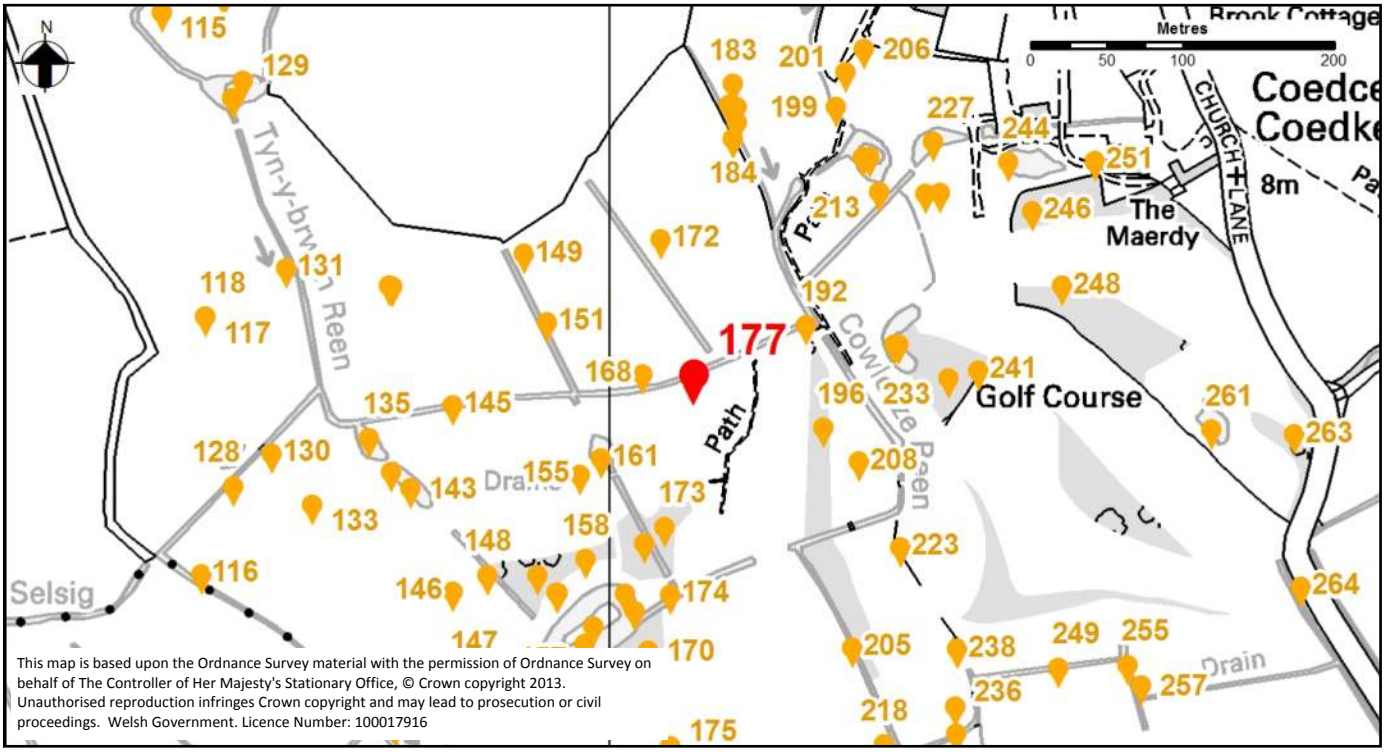

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	178	Date:	23-04-2014 11:20	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland/hedgerow

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

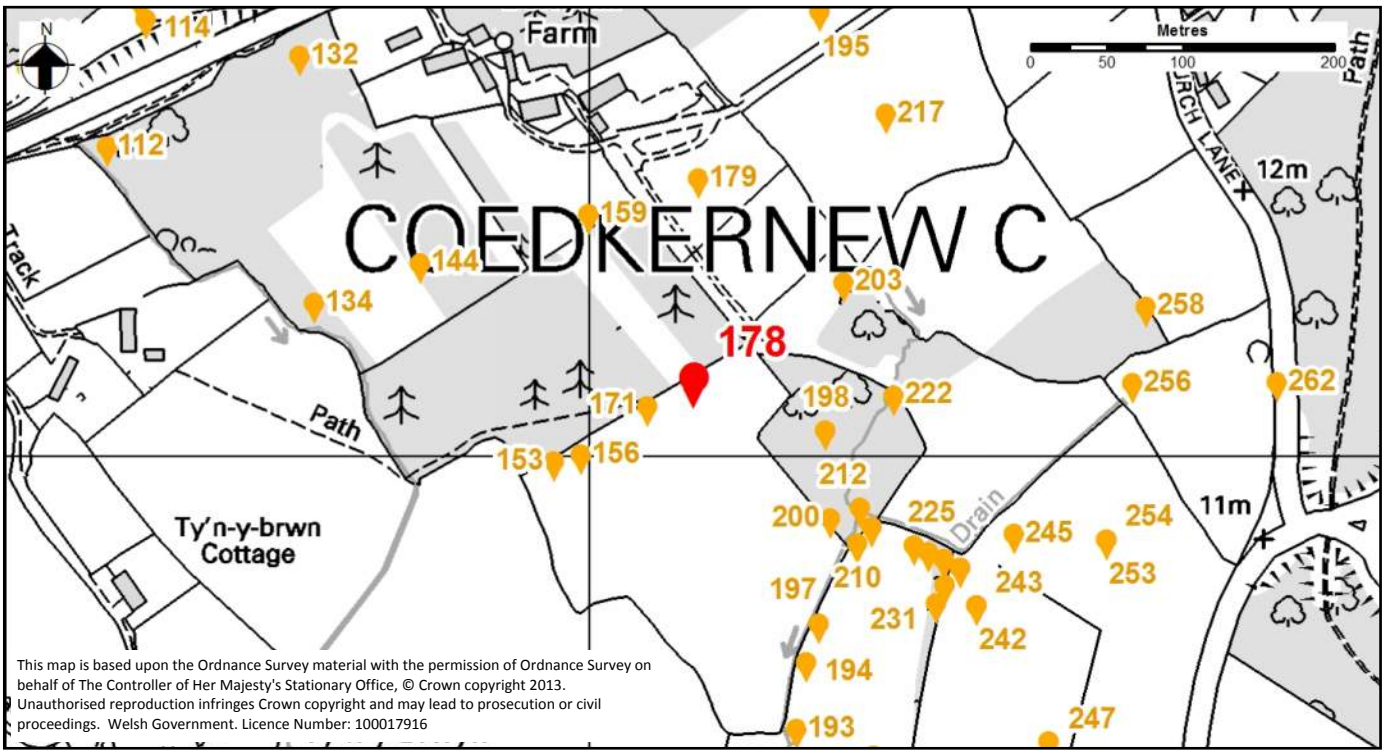

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	179	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Sheep grazed. Small amounts of marshy grassland (Juncus sp.) Along northeast boundary - bramble, willow sp., hedge bindweed, narrow leaved dock, crested dog's tail, perennial ryegrass, white clover, ribwort

Potential for Protected Species:

Target Note Location Map:

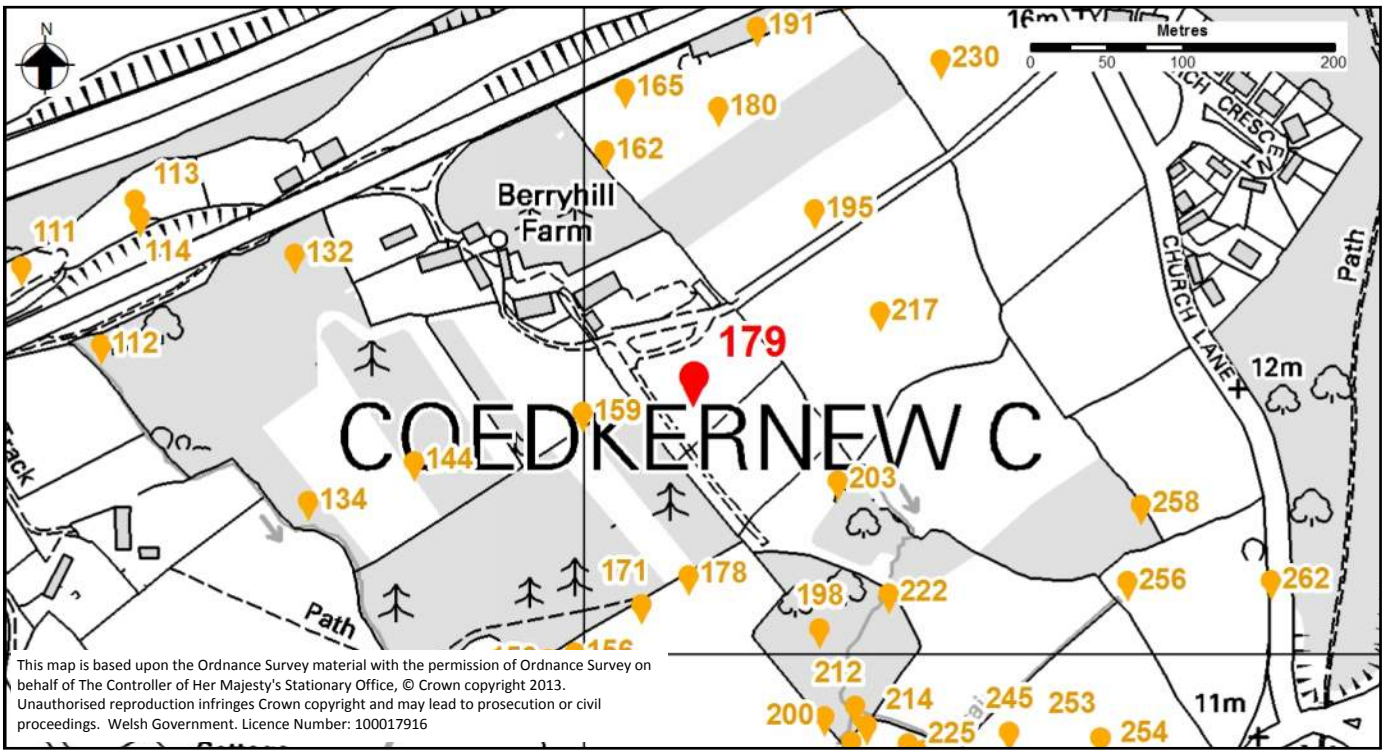

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	180	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Perennial ryegrass, ragwort, annual meadow grass, cock's foot, vetch, hogweed, ribwort plantain, red clover, silverweed, dandelion, hazel, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

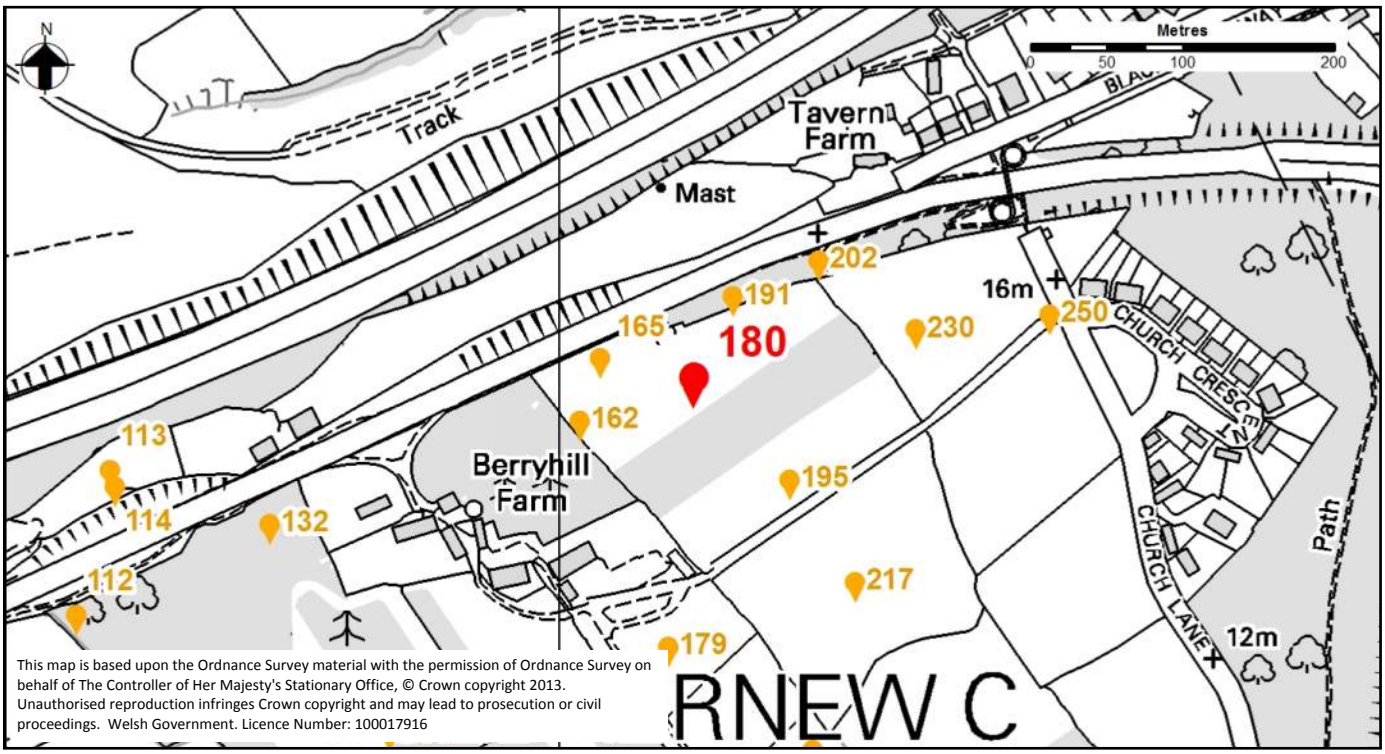

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	181	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Tree species: beech, sycamore, cherry, hawthorn, alder.
Understorey: common nettle, spear thistle, hogweed, dock sp., ivy, cleavers, purple loosestrife, bramble.
Fauna: peacock butterfly, red darter.

Potential for Protected Species:

Target Note Location Map:

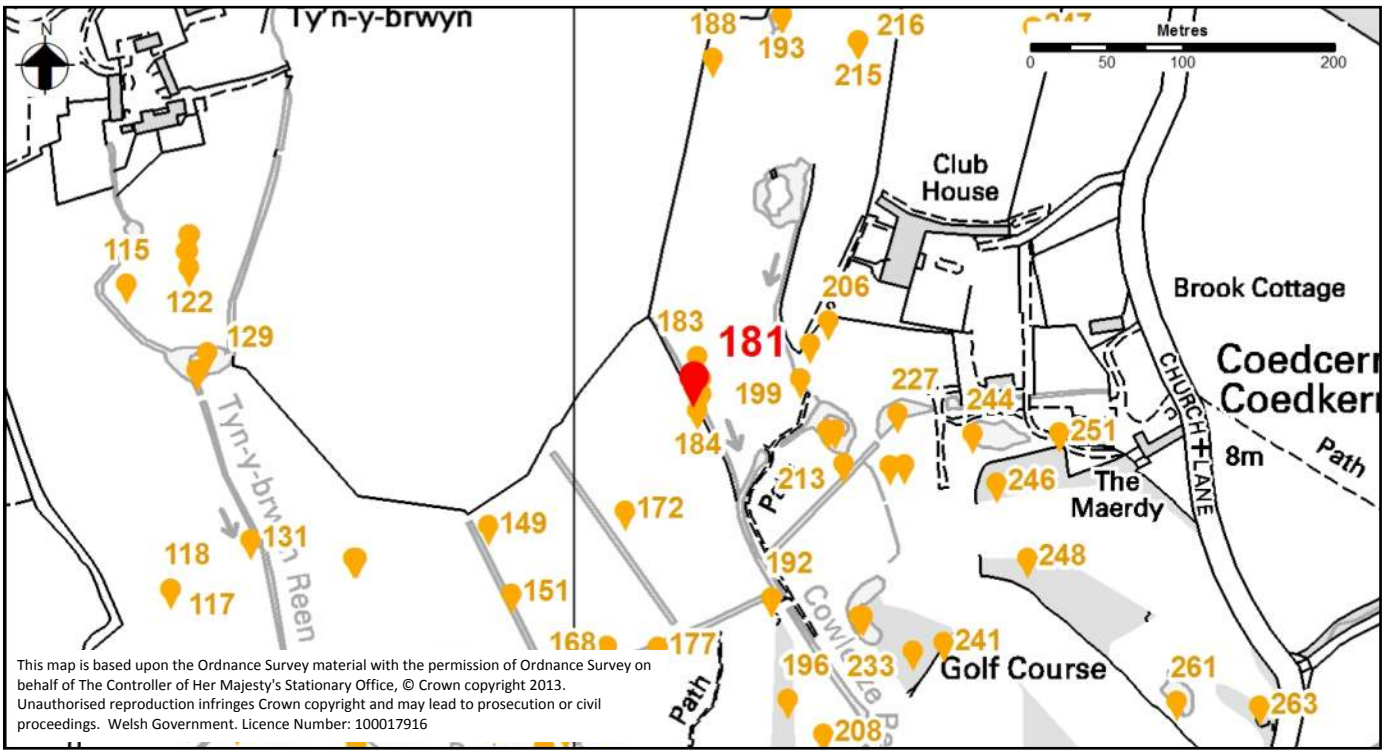

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	182	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Tree species: beech, sycamore, cherry sp., hawthorn, alder.
Understorey: common nettle, spear thistle, hogweed, dock sp., ivy, cleavers, purple loosestrife, bramble.
Fauna: peacock butterfly, red darter.

Potential for Protected Species:

Target Note Location Map:

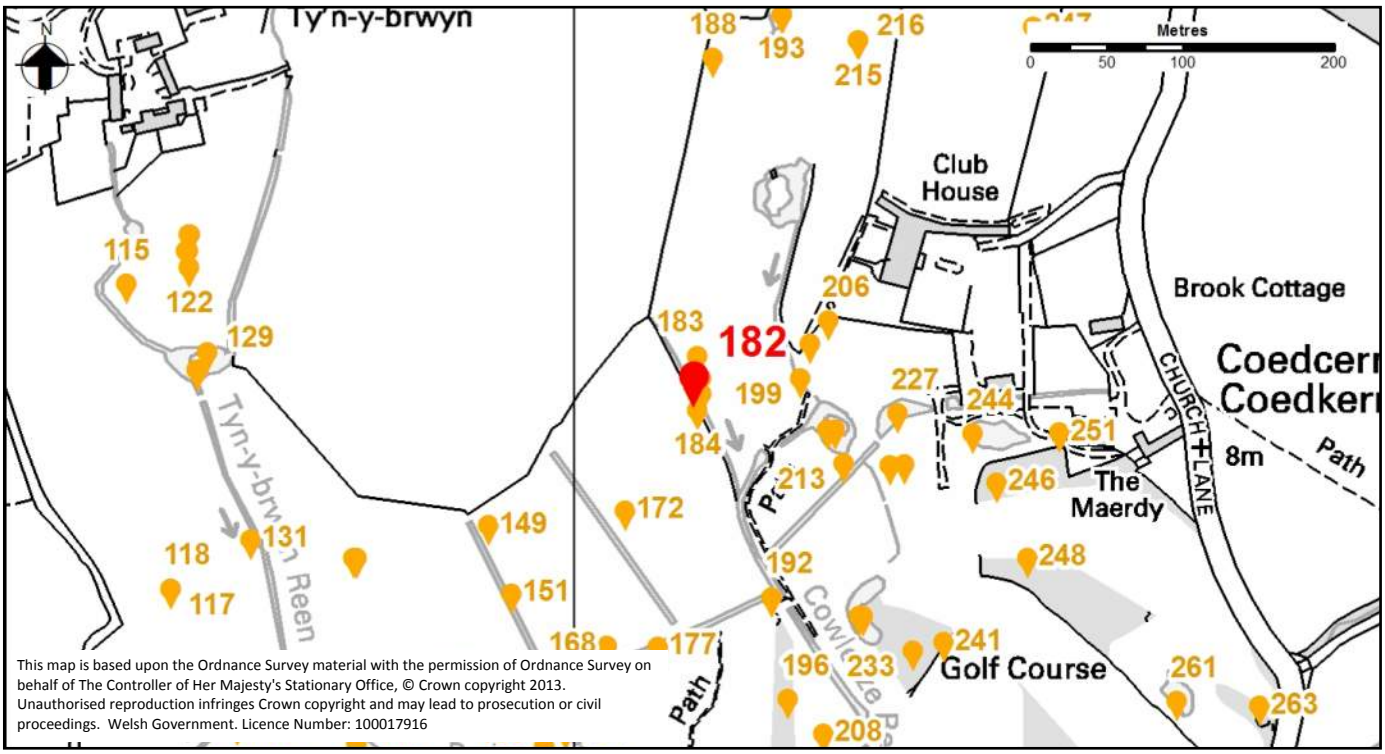

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	183	Date:	24-07-2014 11:44	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland/trees/arable

Potential for Protected Species:

Badger

Target Note:

Path running across golf course and into trees. Possible route to cereal crop in fields behind, no other badger signs to corroborate.

Target Note Location Map:

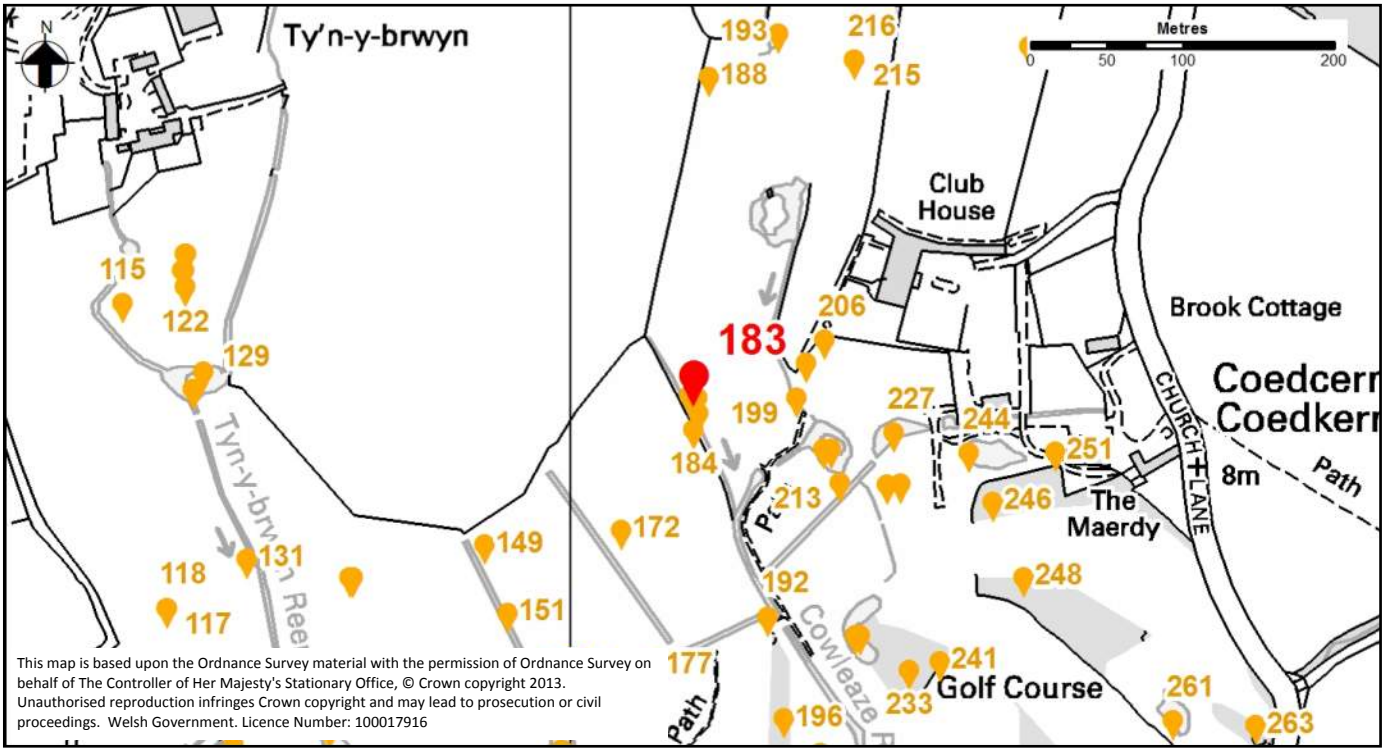

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	184	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Bramble, common nettle, common reed, hemlock water dropwort, spear thistle, purple loosestrife, hawthorn.

Trees in the woodland block to the east overshadowed the reen further to the north.

Potential for Protected Species:

Target Note Location Map:

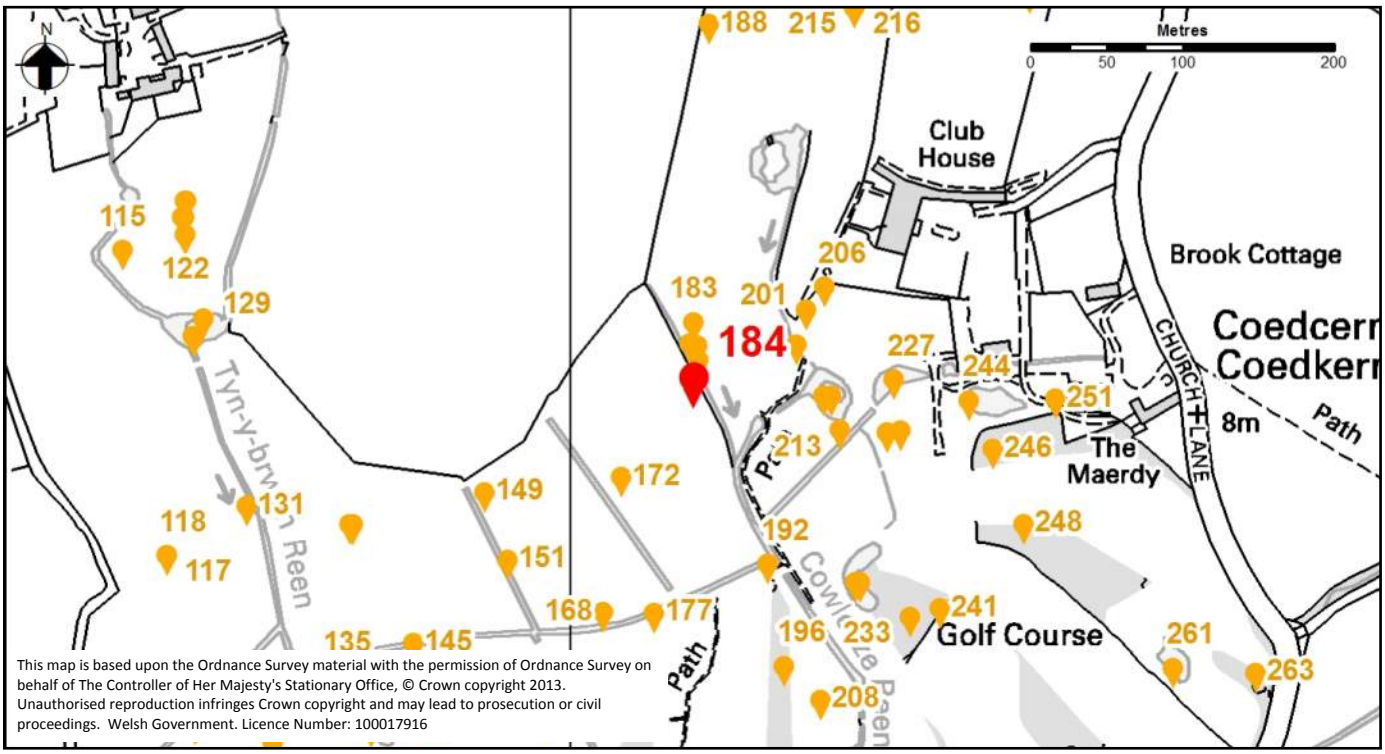

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	185	Date:	24-07-2014 11:46	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland/hedgerow with trees

Target Note:

Mammal pathway

Potential for Protected Species:

Badger

Target Note Location Map:

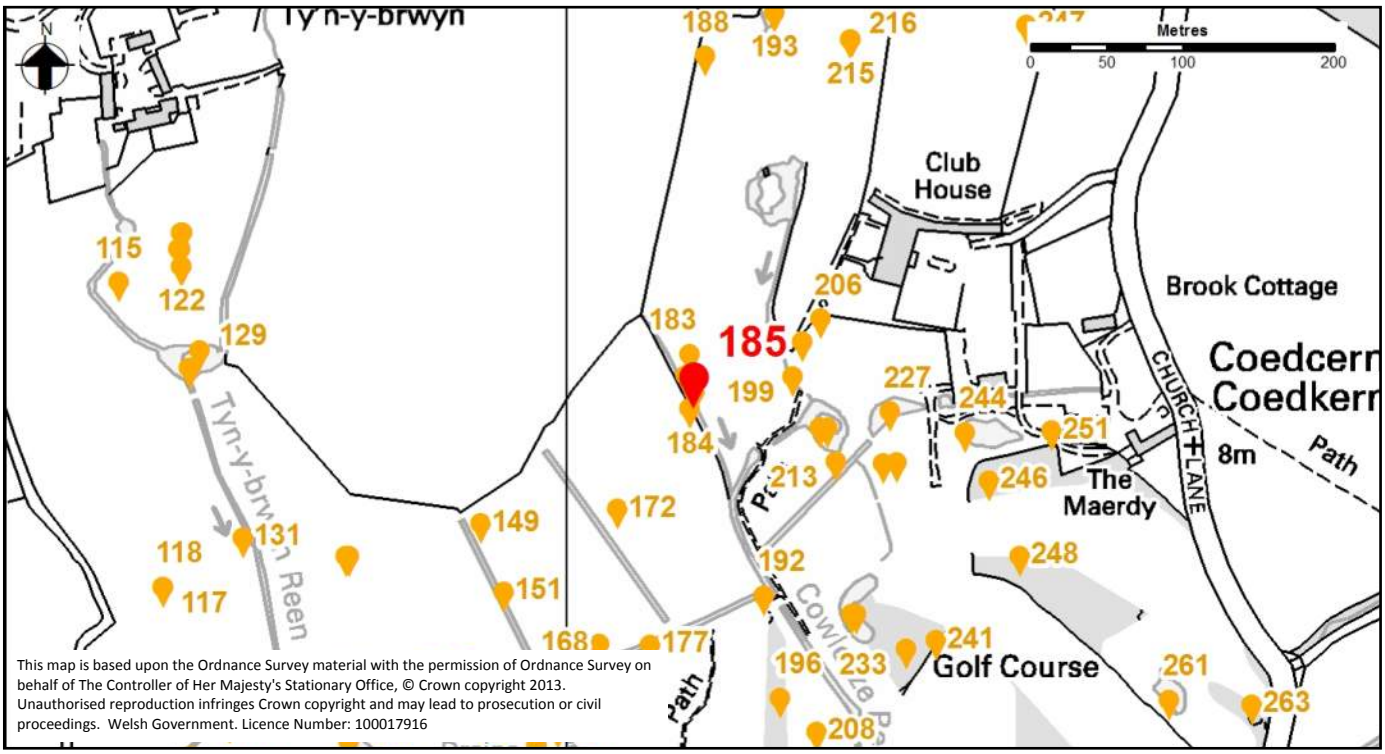

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	186	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Beech sycamore, cherry sp., hawthorn, alder. Understory: common nettle, spear thistle, hogweed, dock

Potential for Protected Species:

Target Note Location Map:

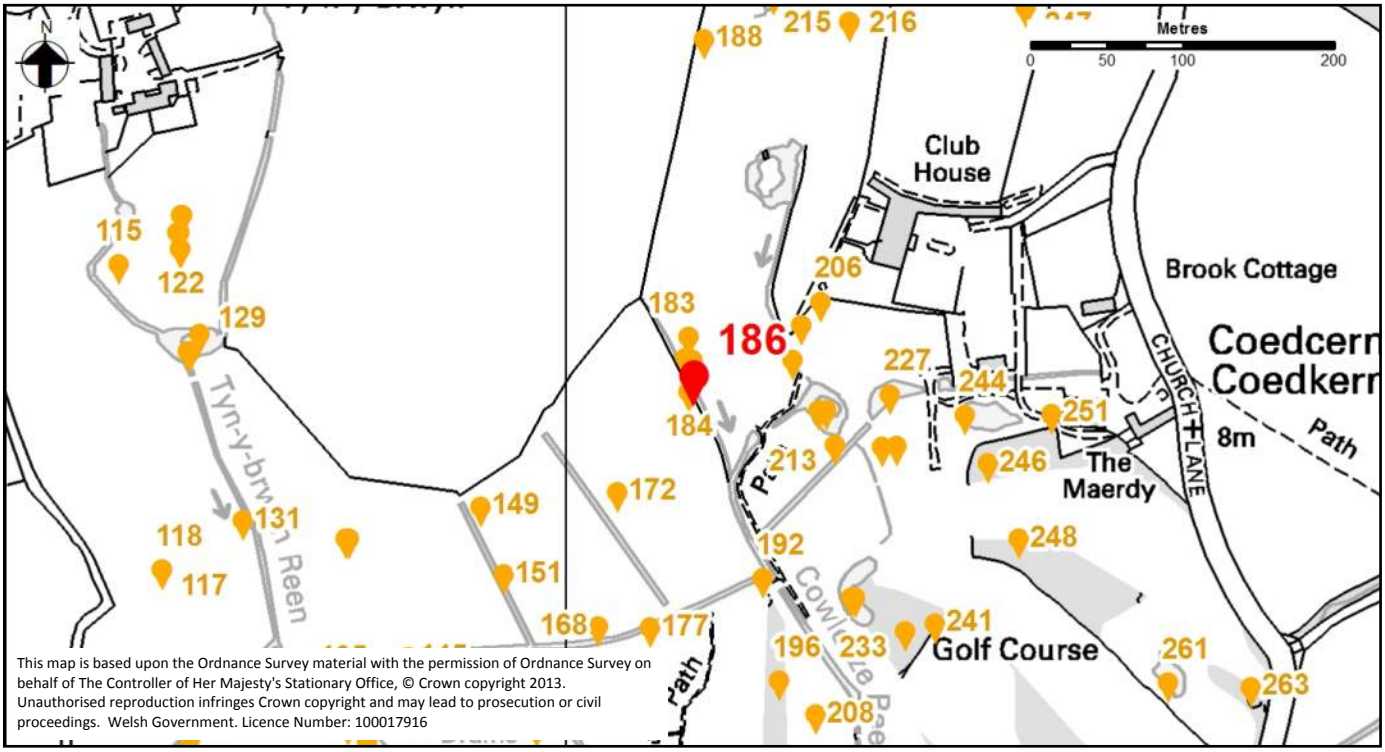

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	187	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Beech, sycamore, cherry sp., hawthorn, alder. Understorey: common nettle, spear thistle, hogweed, dock sp.

Potential for Protected Species:

Target Note Location Map:

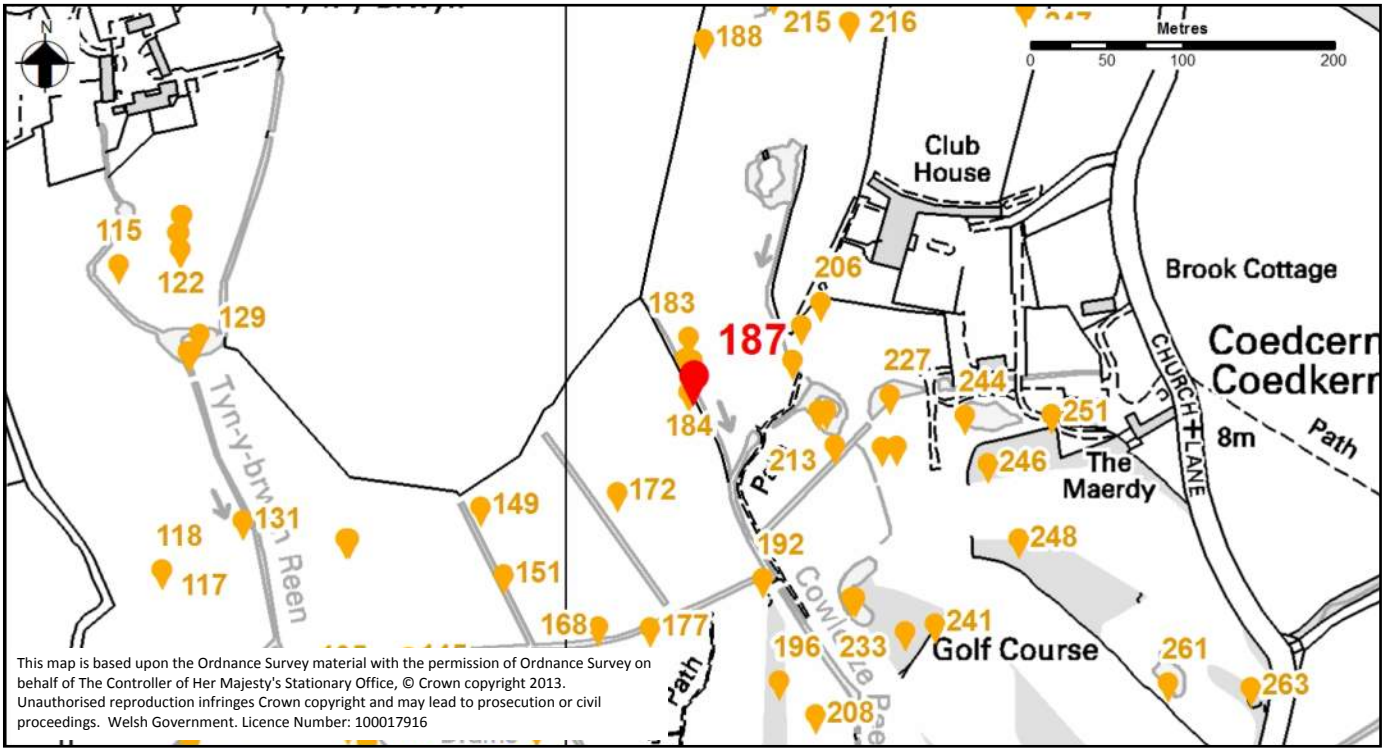

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	188	Date:	24-07-2014 11:11	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Invertebrates

Target Note:

Speckled wood butterfly, carrion crow, dragonfly sp.

Target Note Location Map:

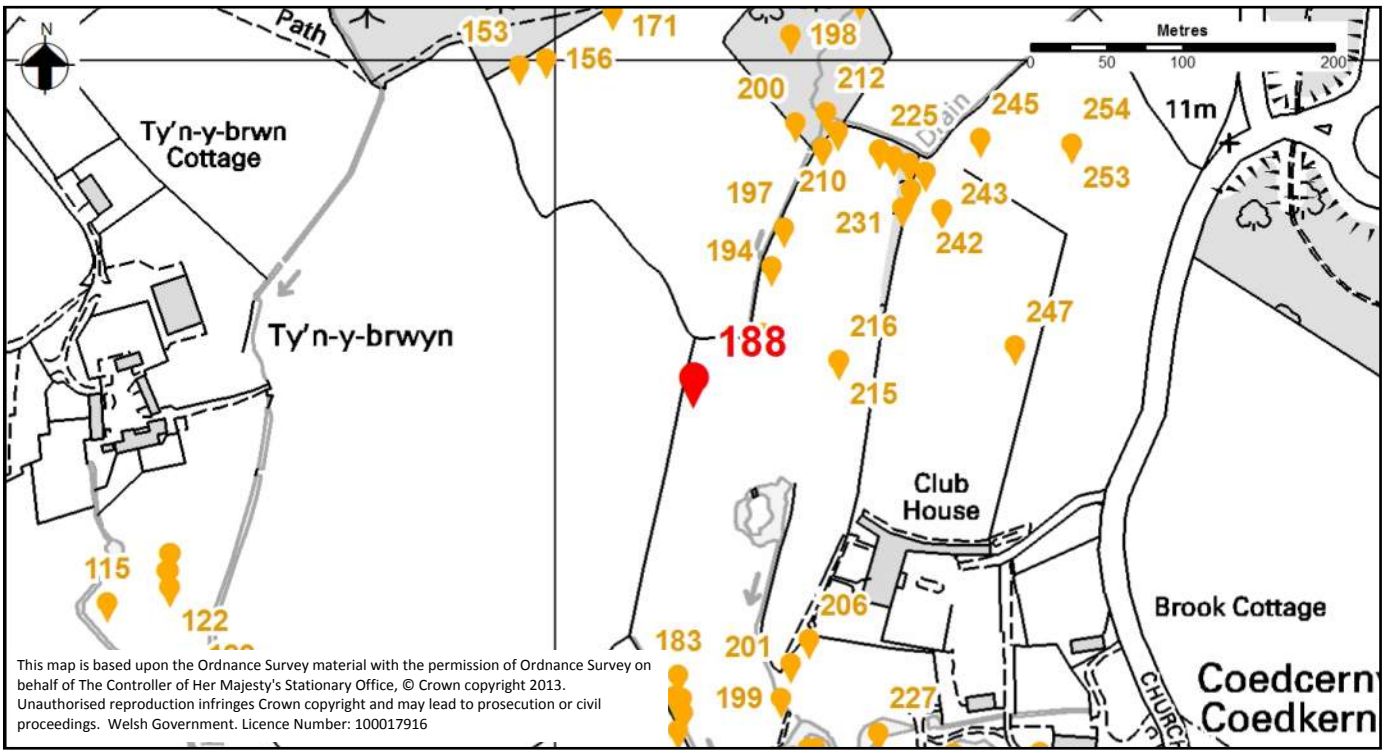

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	189	Date:		GPS:	51.56, -3.05

Dominant Habitats:

Target Note:

Holly, hawthorn, elder, rowan, hazel

Potential for Protected Species:

Target Note Location Map:

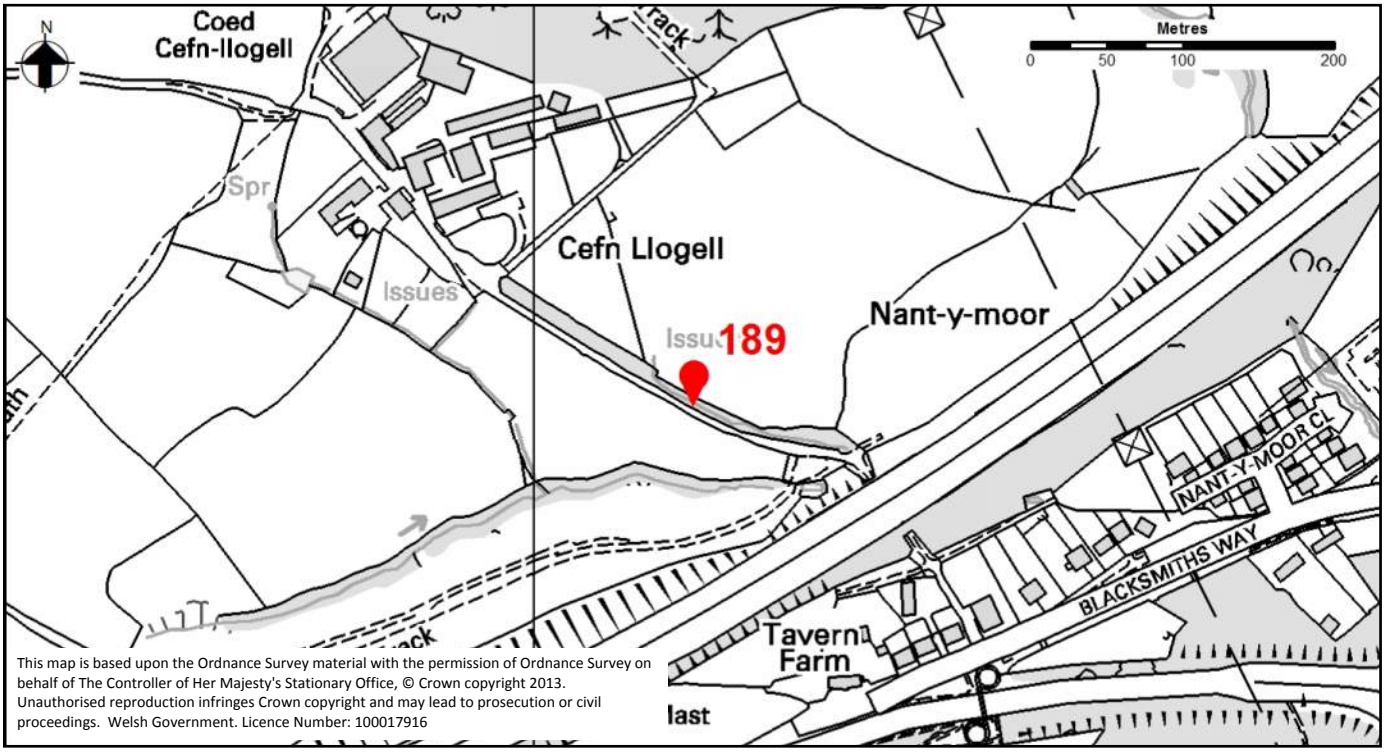

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	190	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Sow thistle, broad leaved dock, waterdropwort, common reed, bramble, box

Potential for Protected Species:

Target Note Location Map:

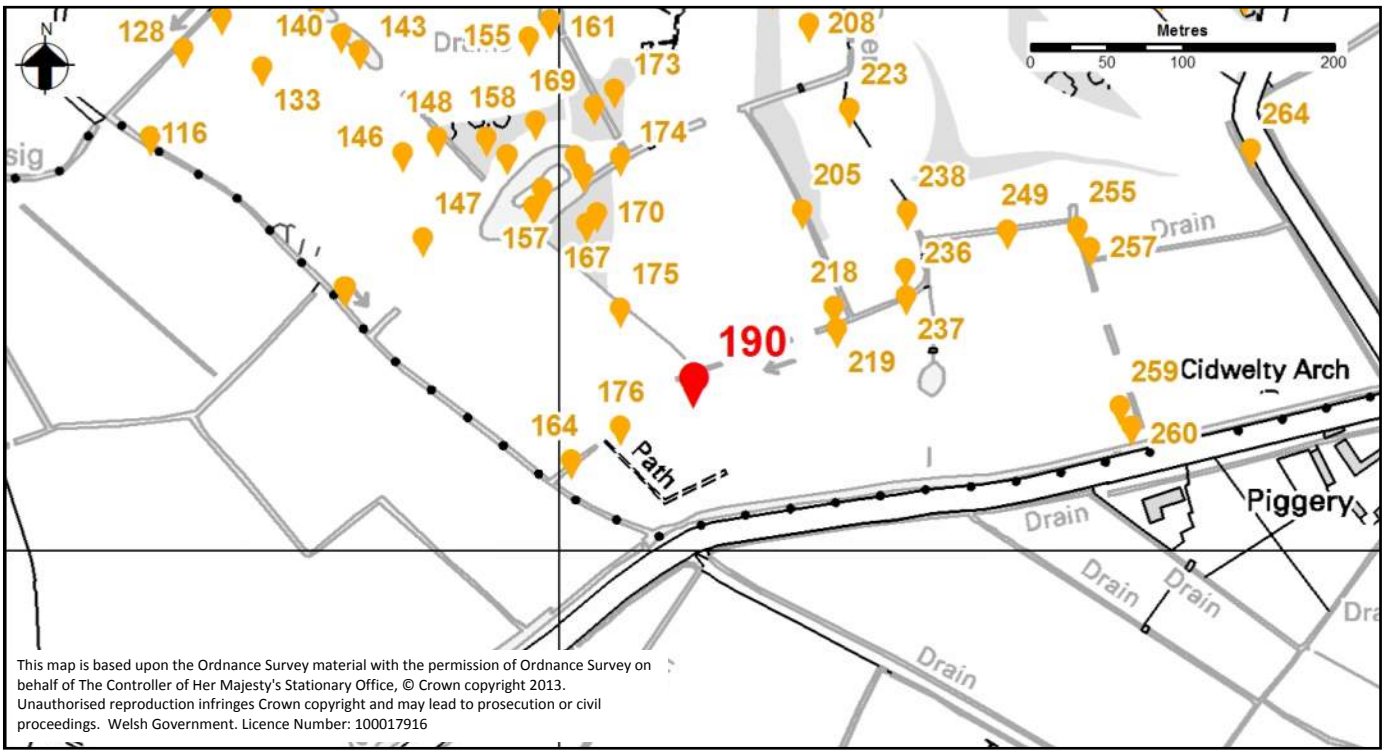

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	191	Date:	30-10-2014 13:57	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow

Target Note:

Hedgerow with badger potential

Potential for Protected Species:

Badger

Target Note Location Map:

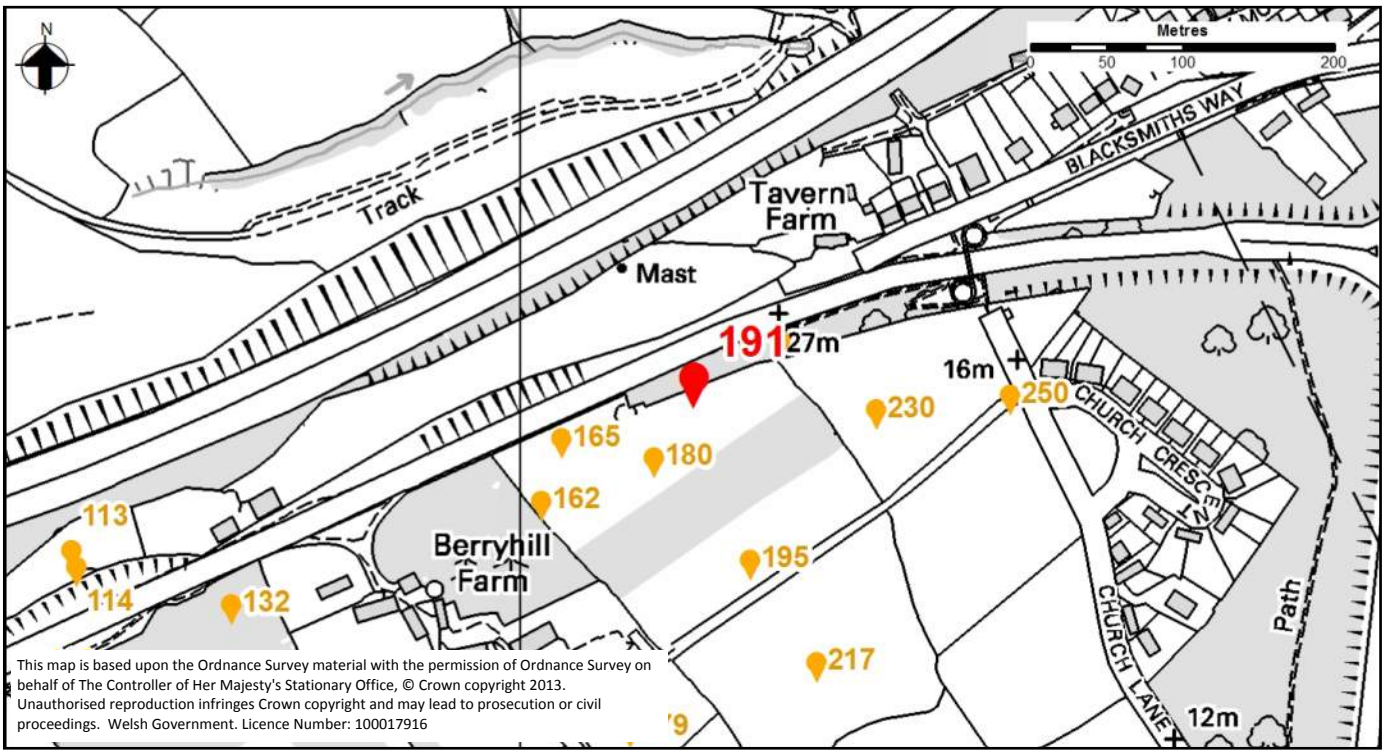

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	192	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Perennial ryegrass, Yorkshire fog, greater plantain, daisy.
Emperor and common darter dragonfly

Potential for Protected Species:

Target Note Location Map:

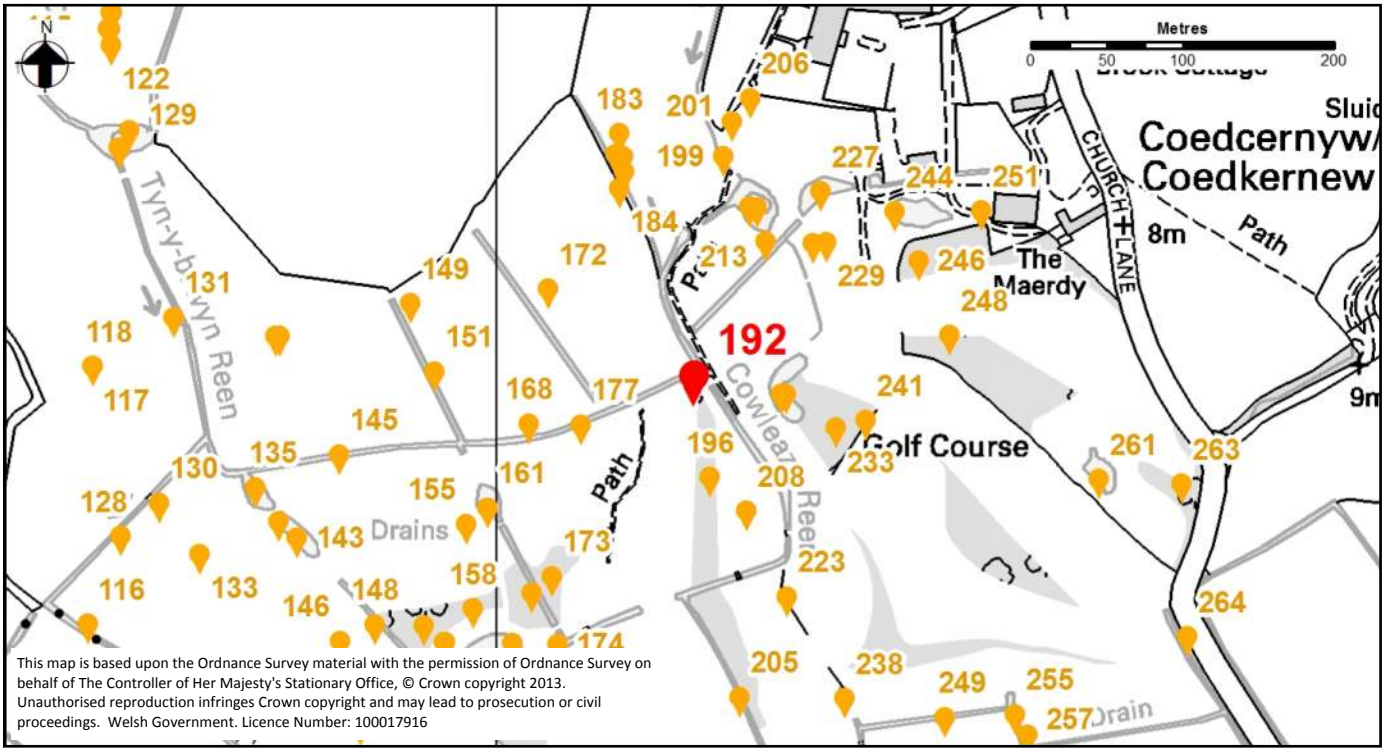

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	193	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland, trees, unmown field margin, muddy ditch, no water

Target Note:

Mammal path into trees and seems to continue across ditch and into trees the other side. Path splits and goes a number of ways. No supporting evidence for species. No footprints in muddy ditch.

Potential for Protected Species:

Possible badger

Target Note Location Map:

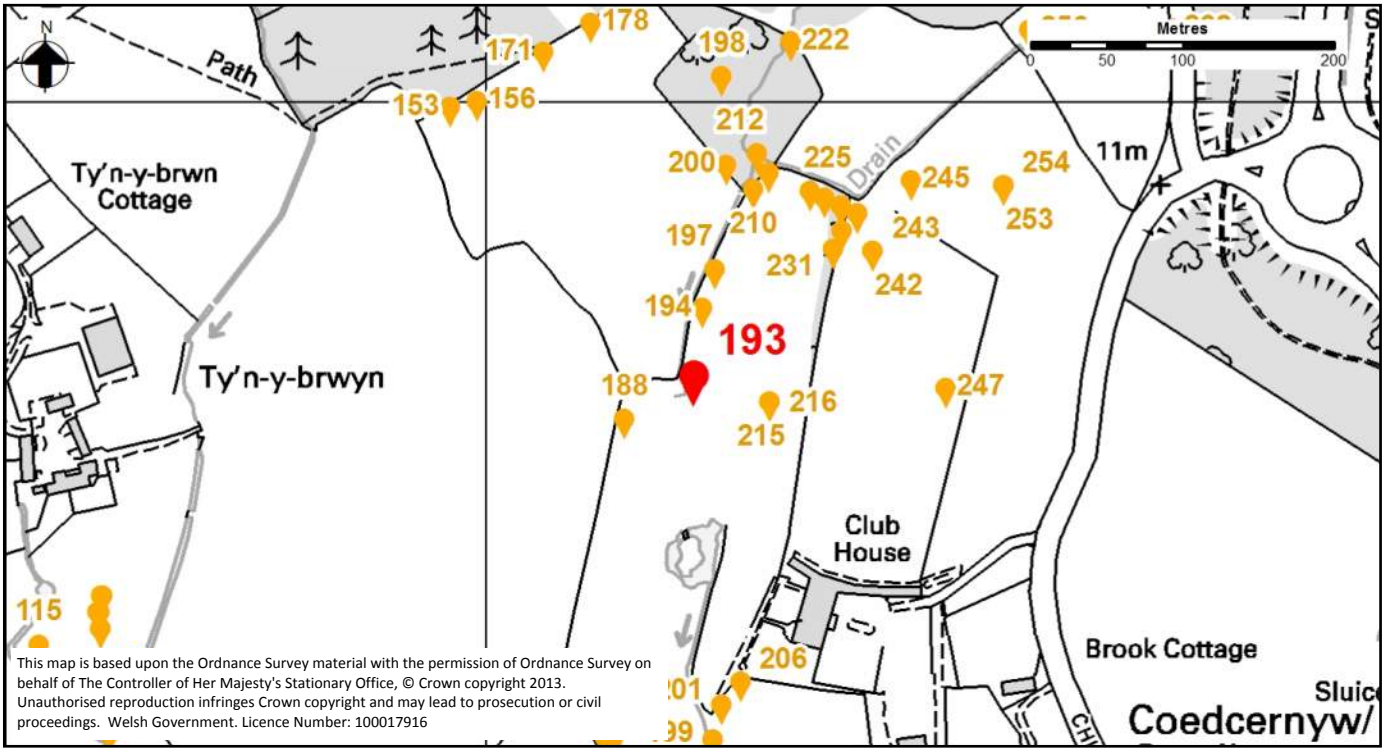

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	194	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland, trees, ditch, unmown field margin

Target Note:

Possible mammal path

Potential for Protected Species:

Target Note Location Map:

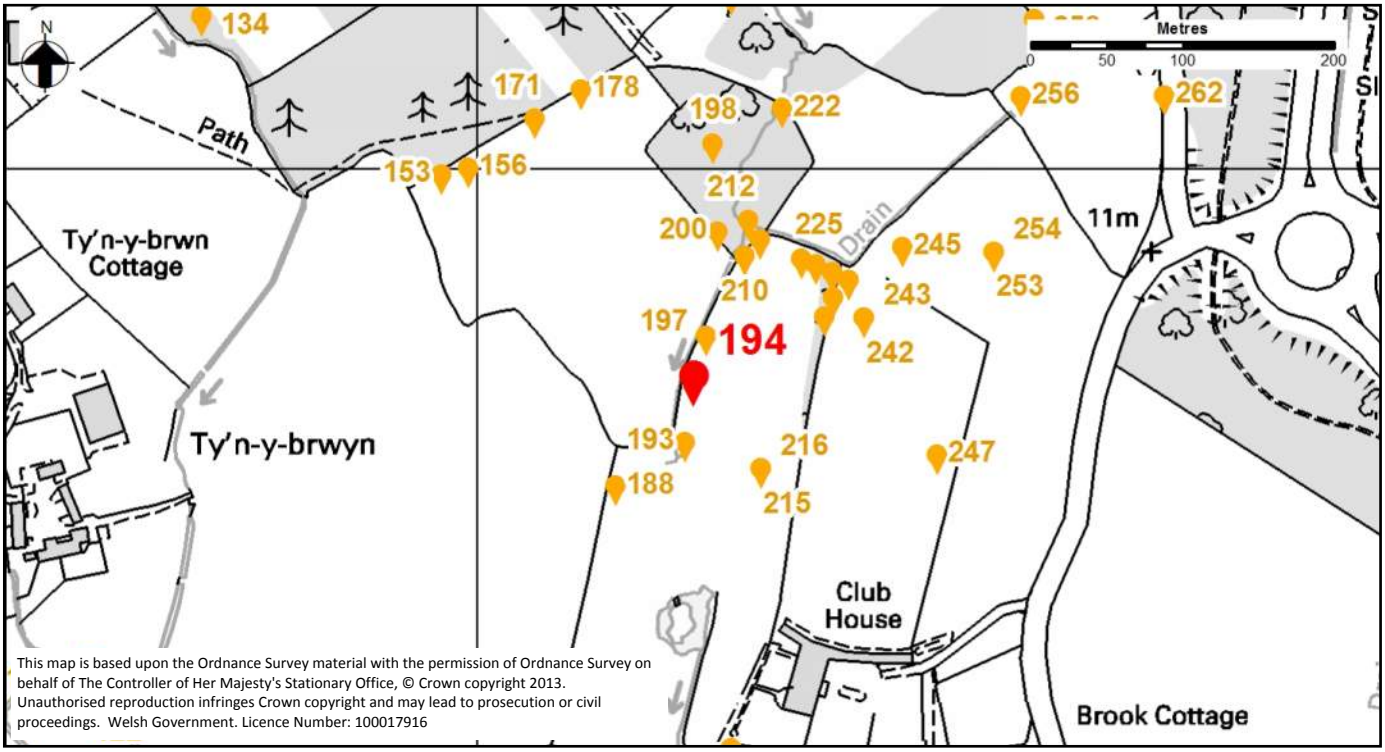

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	195	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Turnip, forget-me-not, dandelion, thistle, silverweed, herb robert. South west corner -blackthorn, bramble, vetch sp., umbellifers, dock sp., willowherb sp., willow sp., alder)

Potential for Protected Species:

Target Note Location Map:

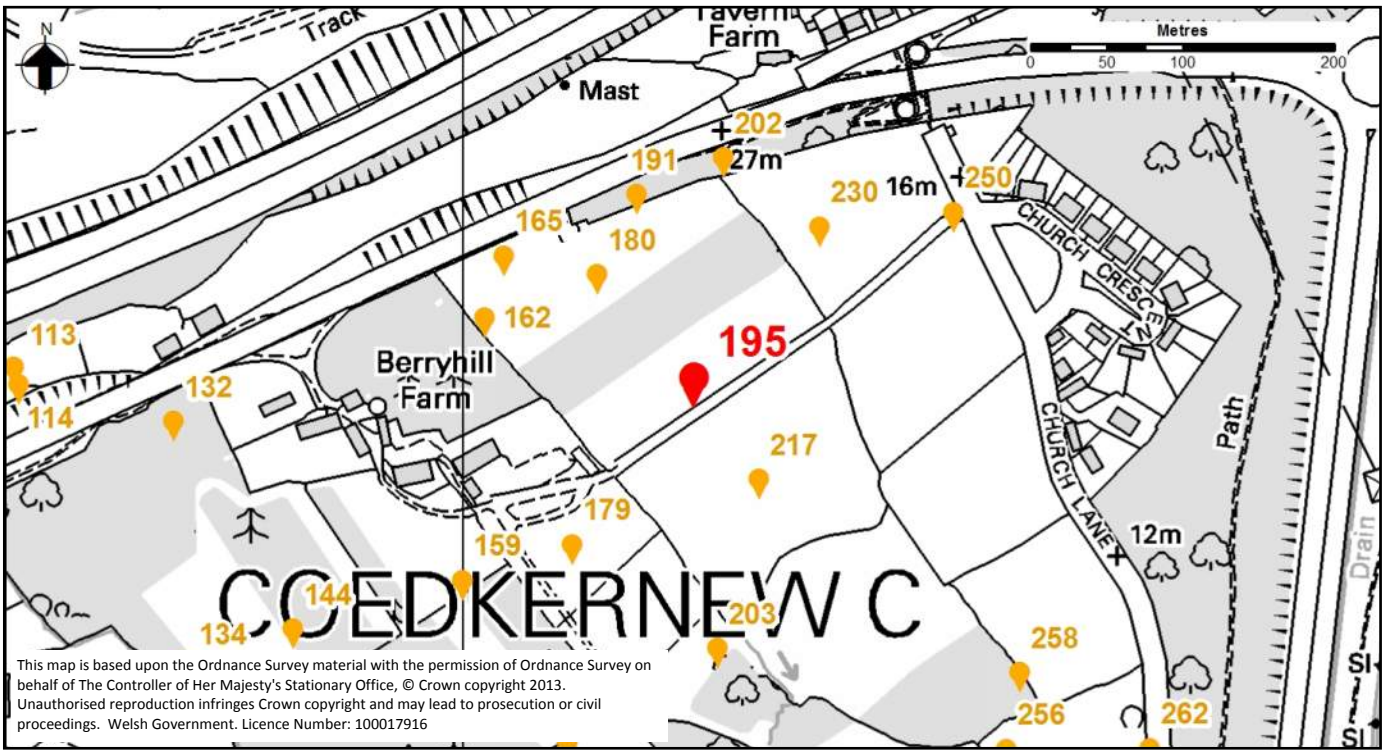

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	196	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, common nettle

Potential for Protected Species:

Target Note Location Map:

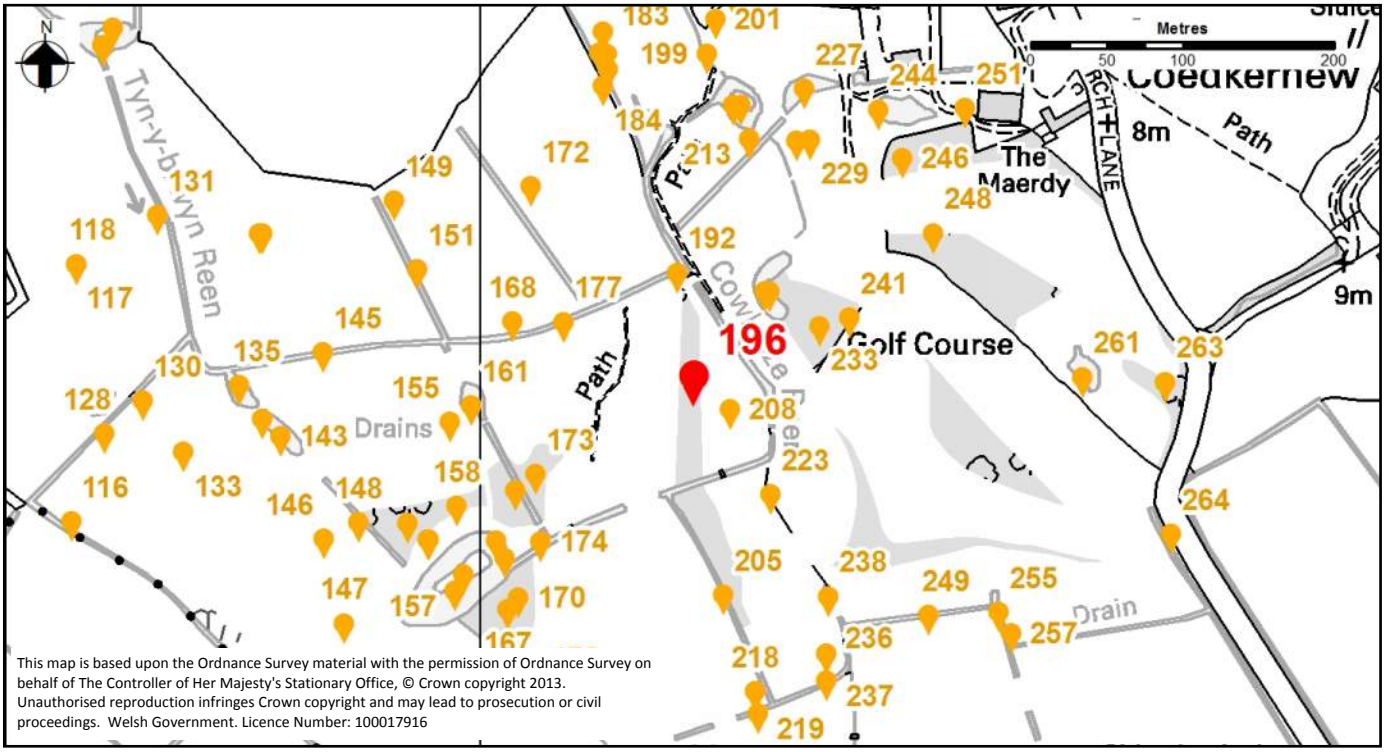

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	197	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity, trees, scrub

Potential for Protected Species:

Reptile refugia

Target Note:

Wood pile

Target Note Location Map:

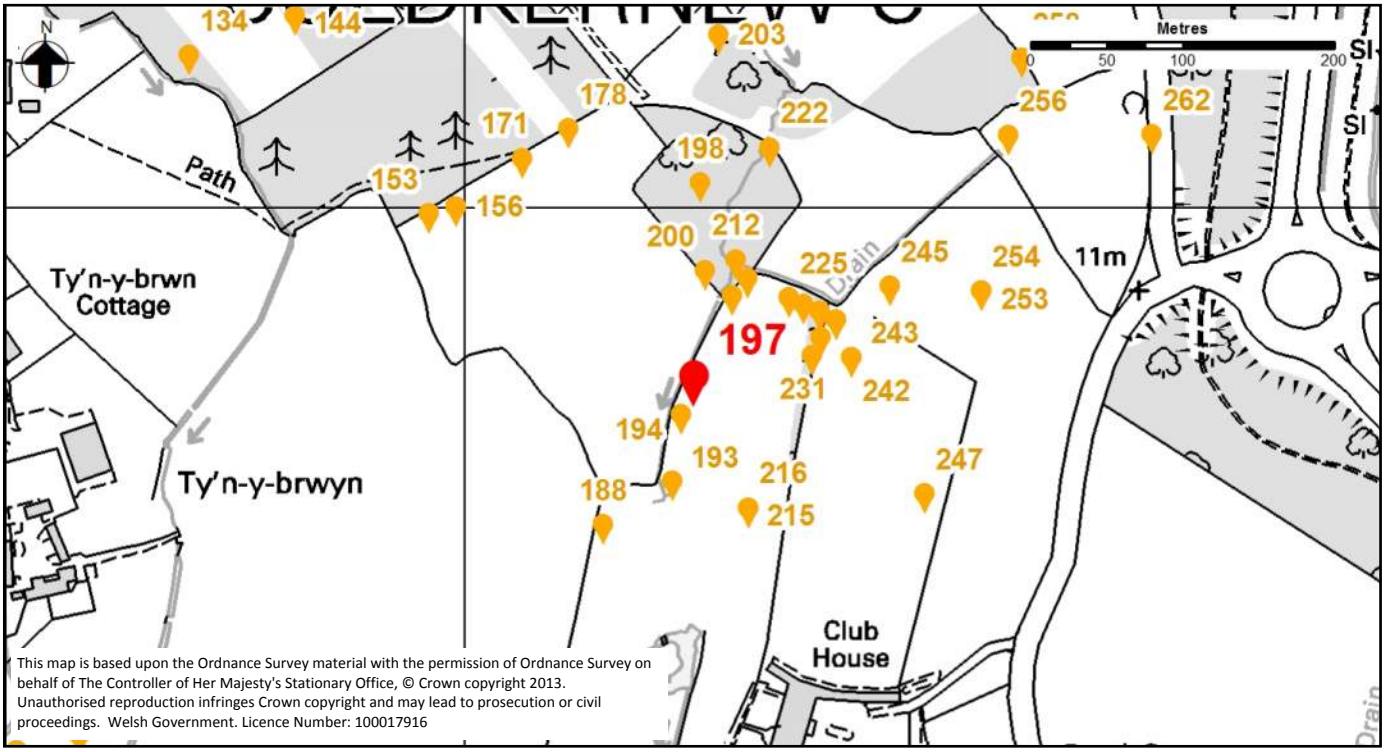

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	198	Date:	23-04-2014 11:48	GPS:	51.55, -3.05

Dominant Habitats:

Woodland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

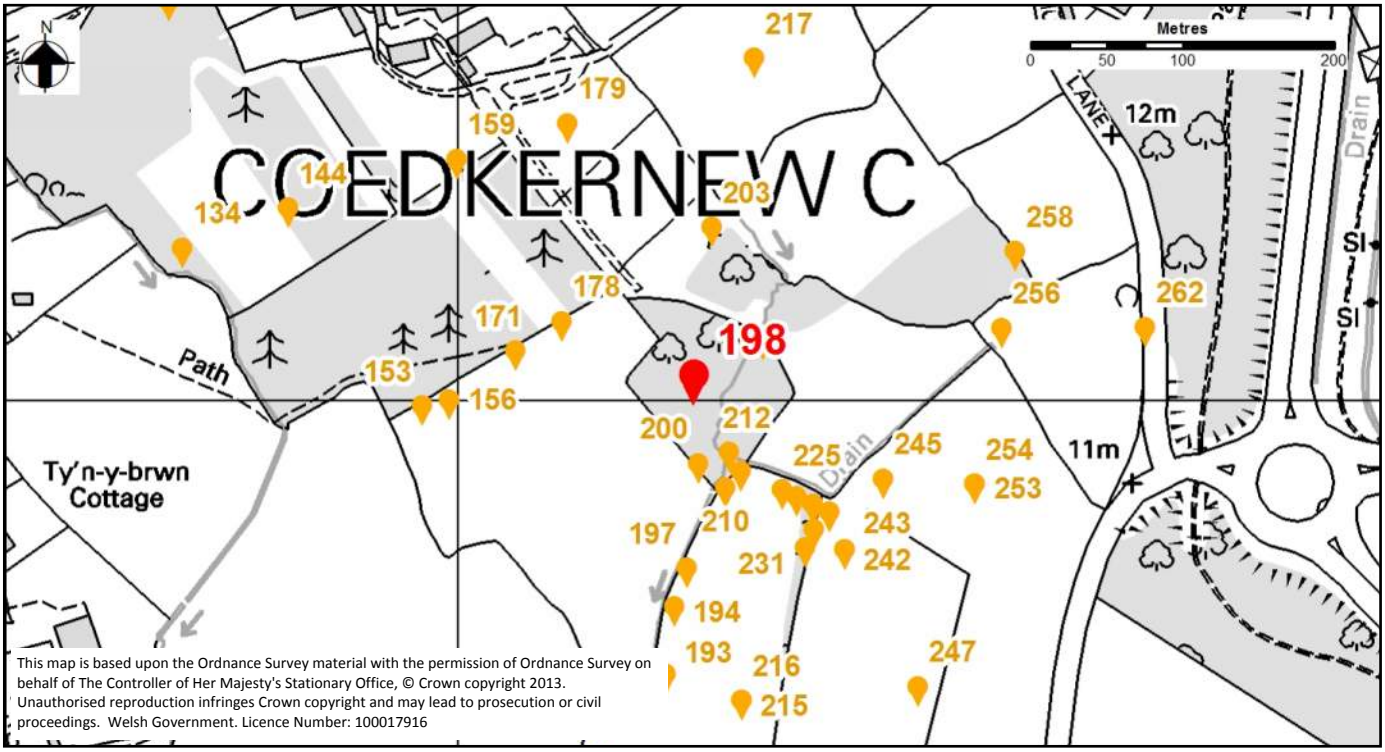

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	199	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Birch, nettle, bramble, hawthorn, hogweed, knapweed, yellow flag iris

Potential for Protected Species:

Target Note Location Map:

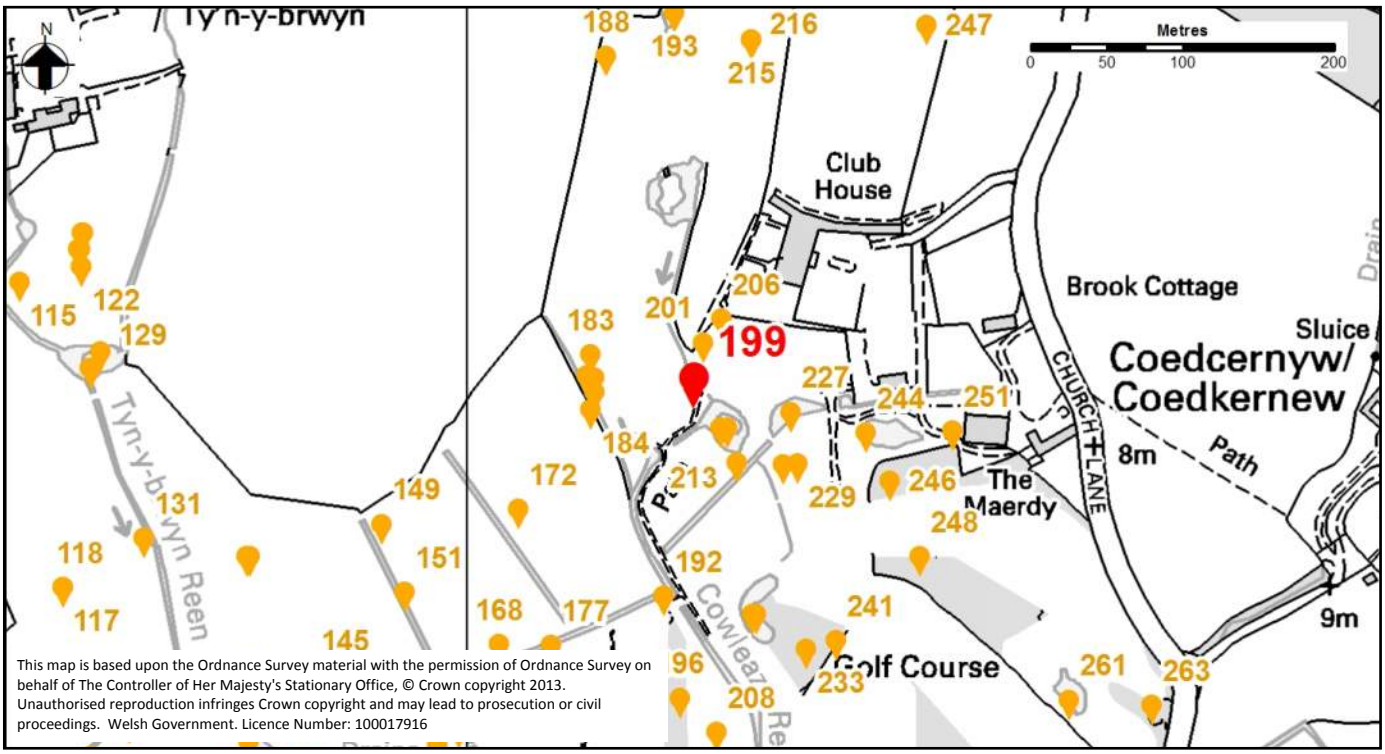

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	200	Date:	23-04-2014	GPS:	51.55, -3.05

Dominant Habitats:

Semi natural broadleaved woodland

Target Note:

Mature woodland including old coppice stools. Ground flora of ivy, lesser celandine, bluebells, cleavers, dogs mercury, bramble. Holly, hawthorn and hazel present in shrub layer. Mix of oak and ash.

Potential for Protected Species:

Flora e.g. bluebell

Target Note Location Map:

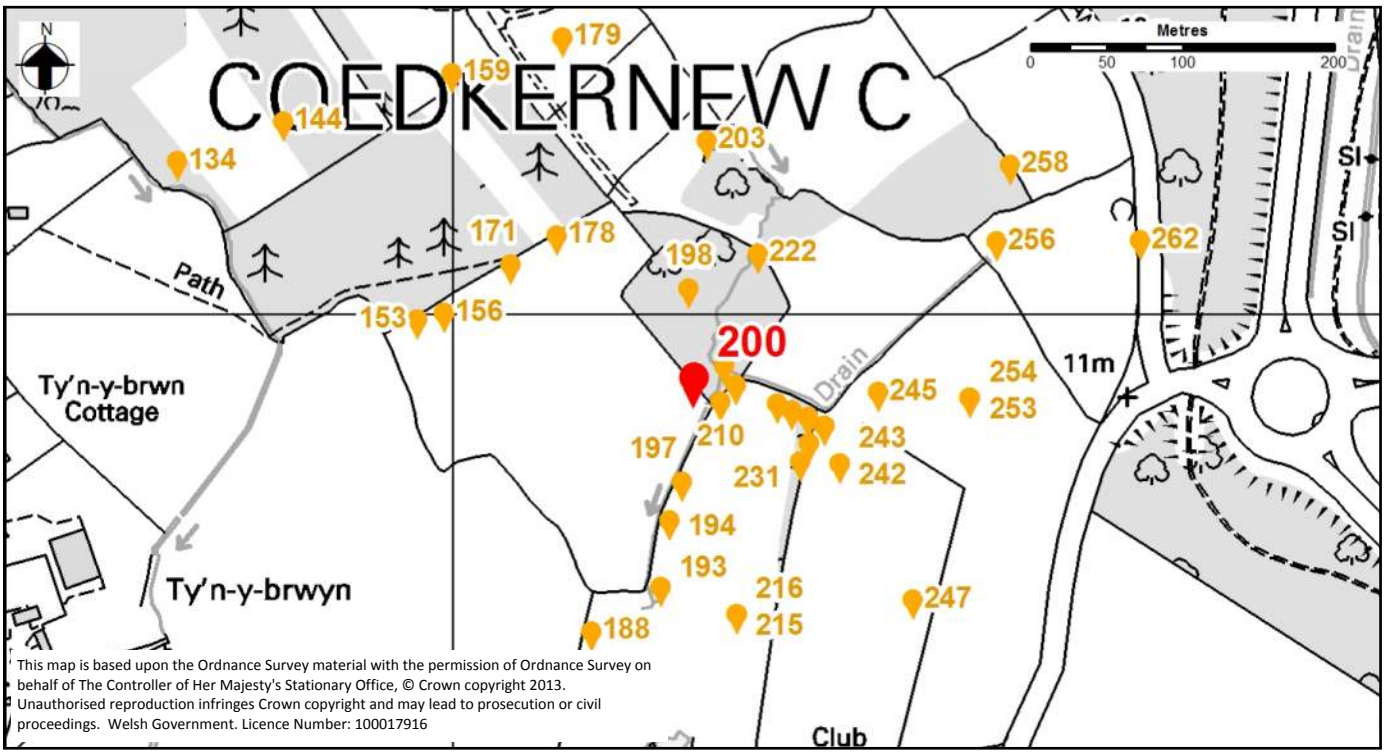

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	201	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and treelines

Target Note:

Oak with bat potential and woodpecker hole approximately 4.5m high

Potential for Protected Species:

Bat, woodpecker

Target Note Location Map:

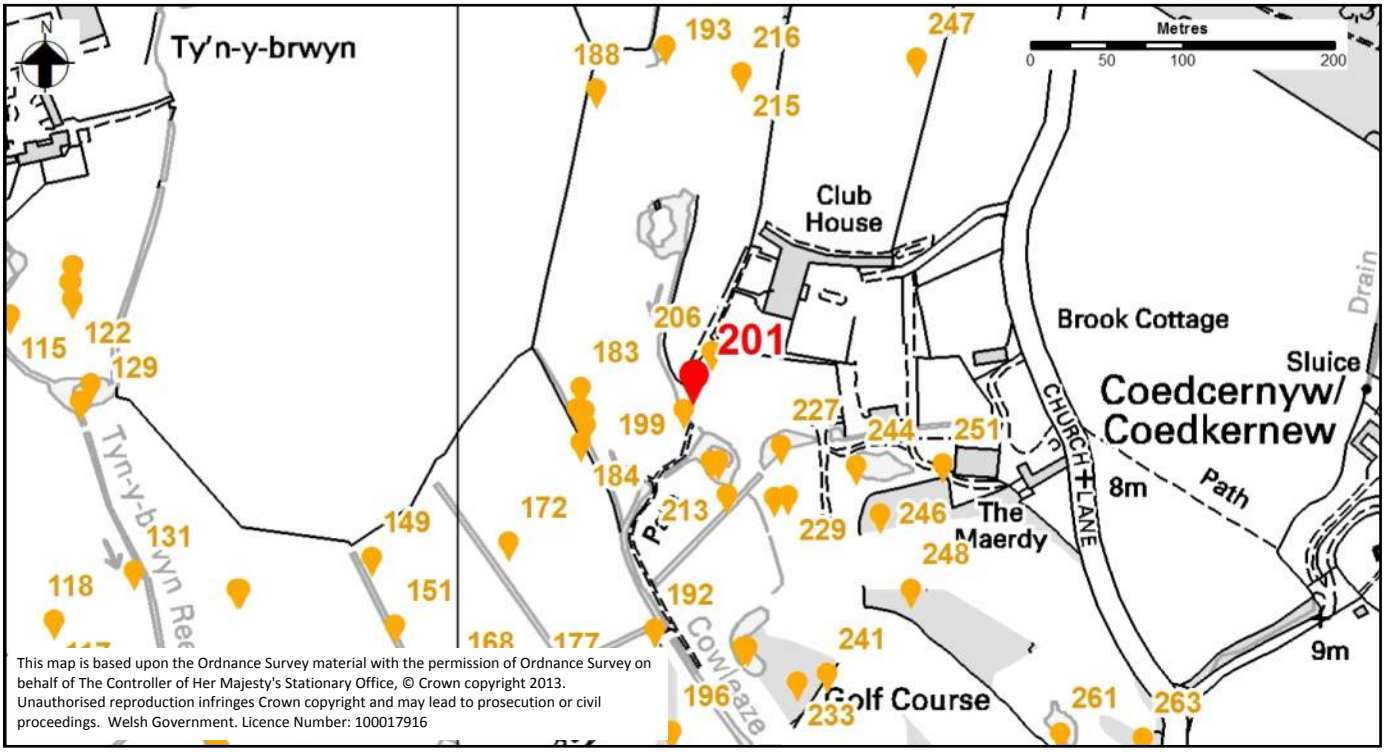

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Photo 1

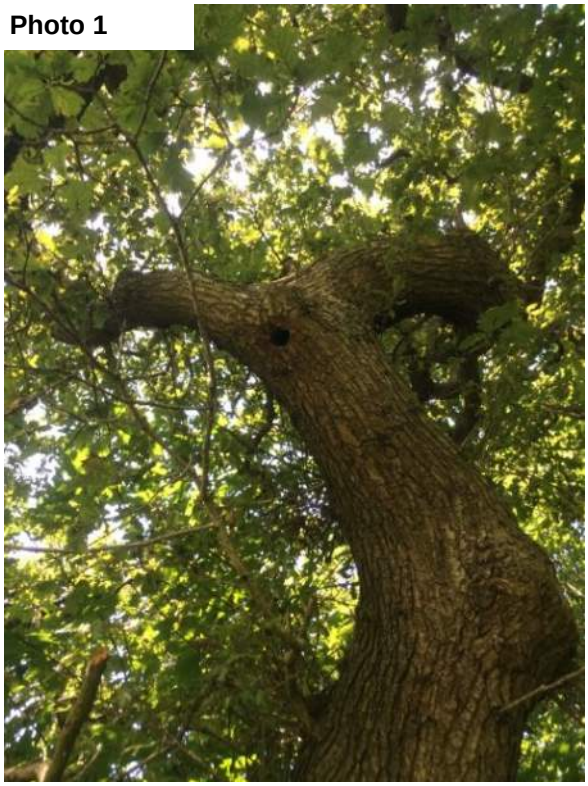

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	202	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Oak, dogwood, bramble, dandelion, St John's wort, clover, vetch, ribwort plantain, creeping buttercup, ash

Potential for Protected Species:

Target Note Location Map:

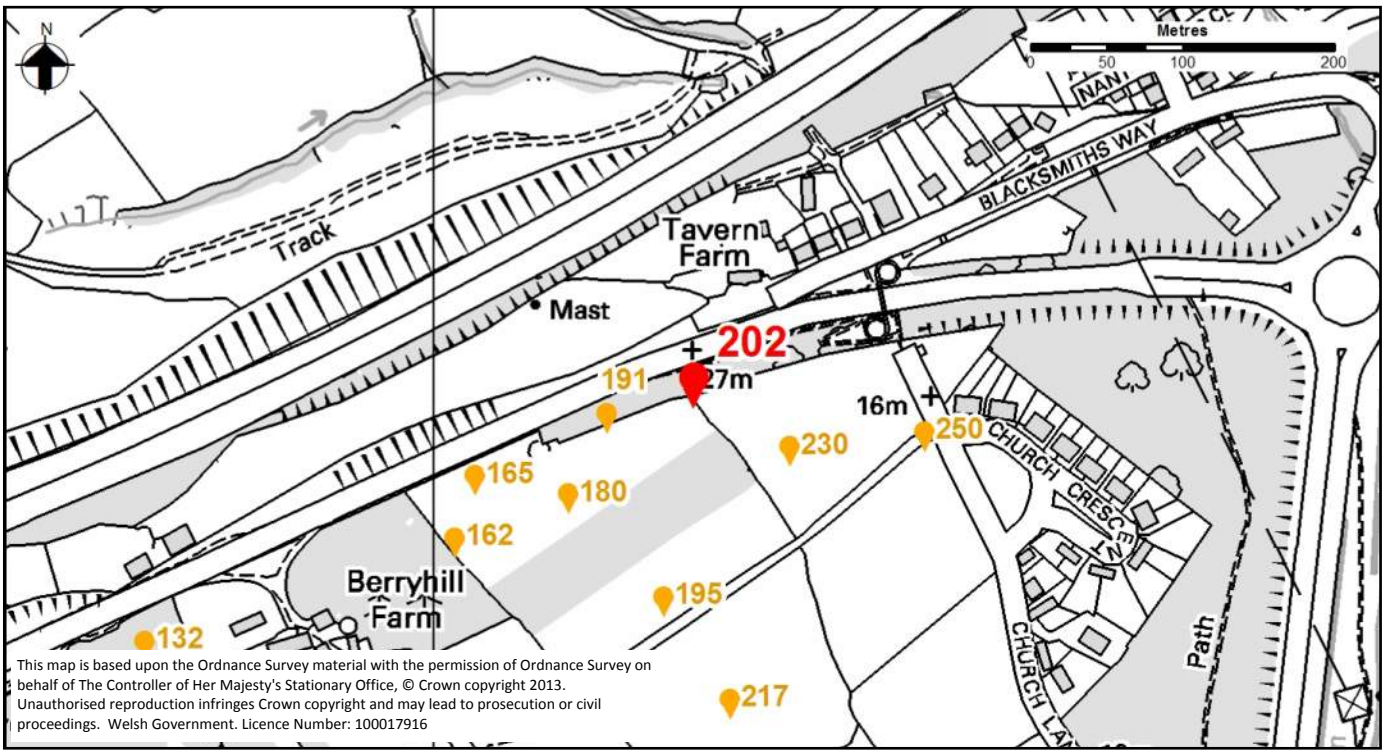

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	203	Date:	23-04-2014 12:28	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

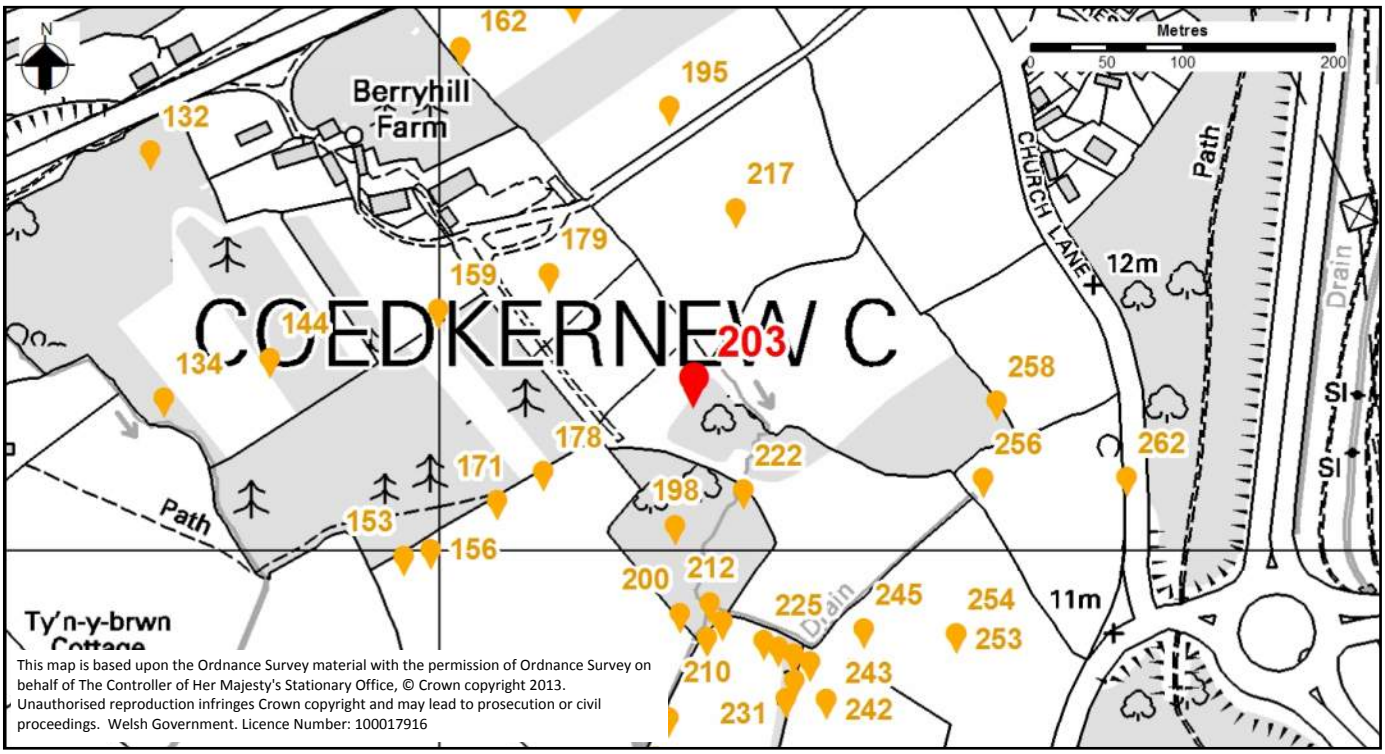

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	205	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Phragmites, nettle, hogweed, willow sp.

Potential for Protected Species:

Target Note Location Map:

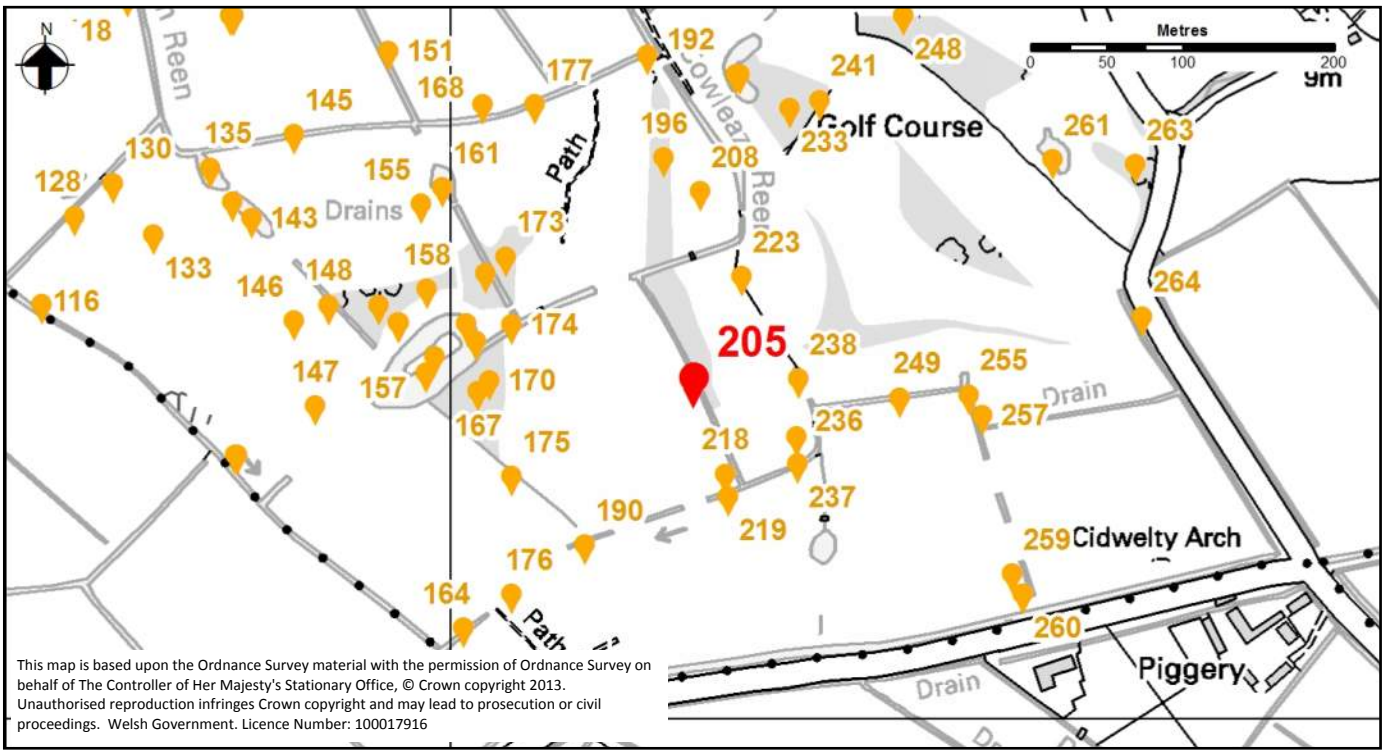

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	206	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and Treeline

Potential for Protected Species:

Bats, woodpecker

Target Note:

Oak with bat potential, two woodpecker holes about 6m high

Target Note Location Map:

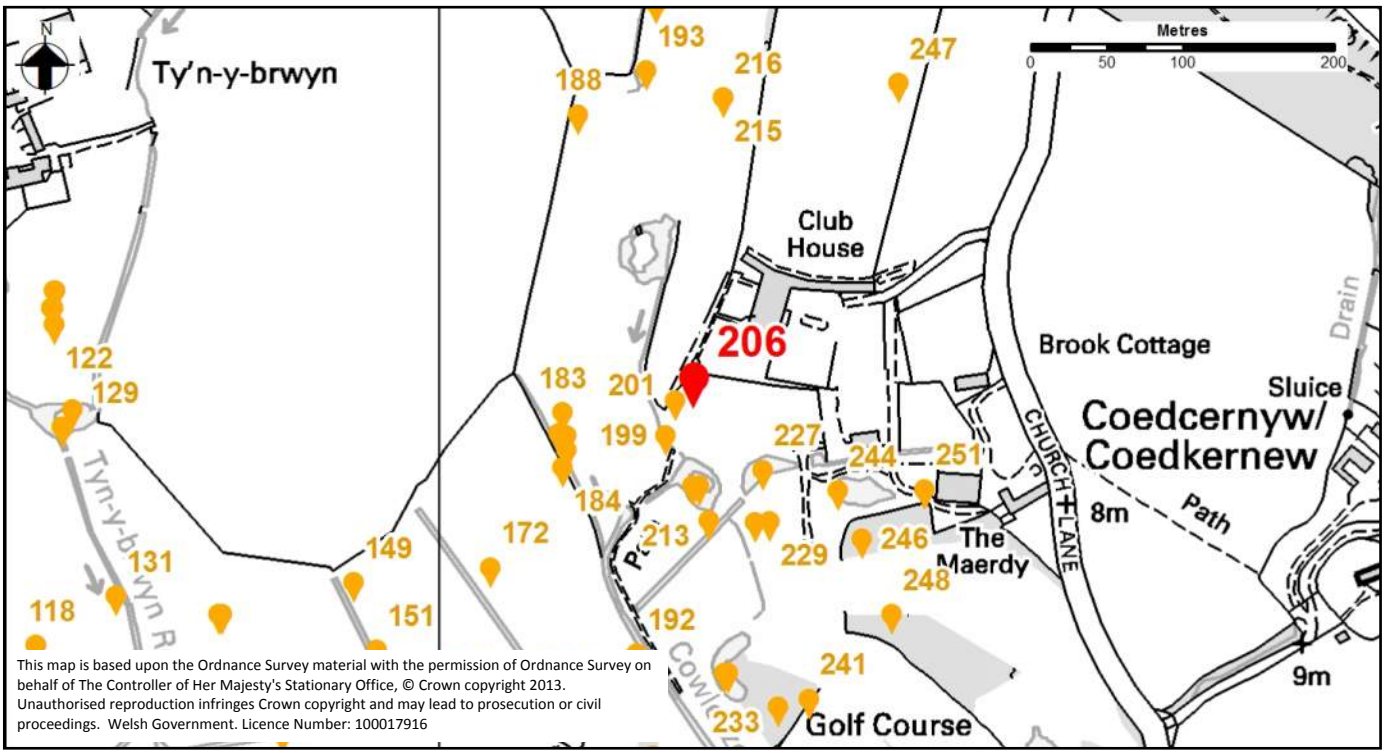

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	207	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Common nettle, reed sweet grass, cock's foot, dock sp., common reed, vetch, water dropwort, woody nightshade

Potential for Protected Species:

Target Note Location Map:

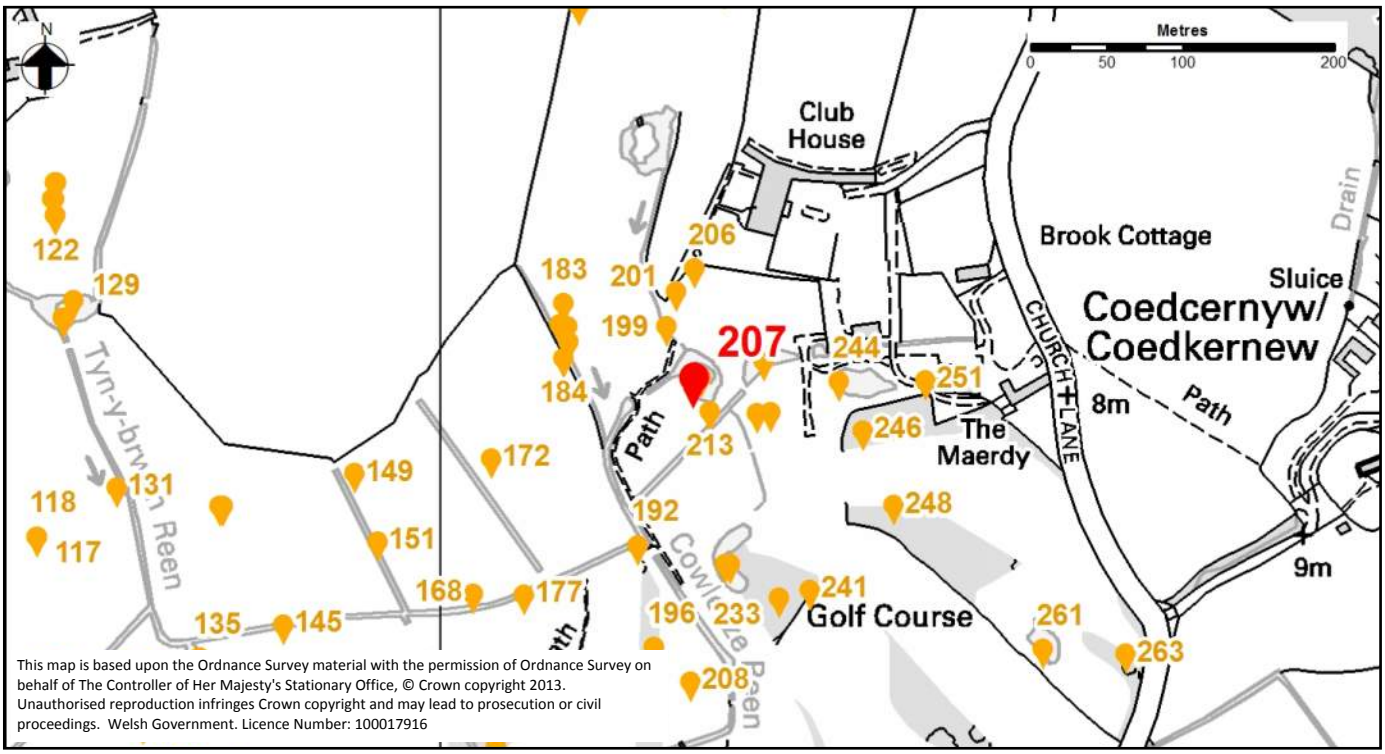

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	208	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, common nettle

Potential for Protected Species:

Target Note Location Map:

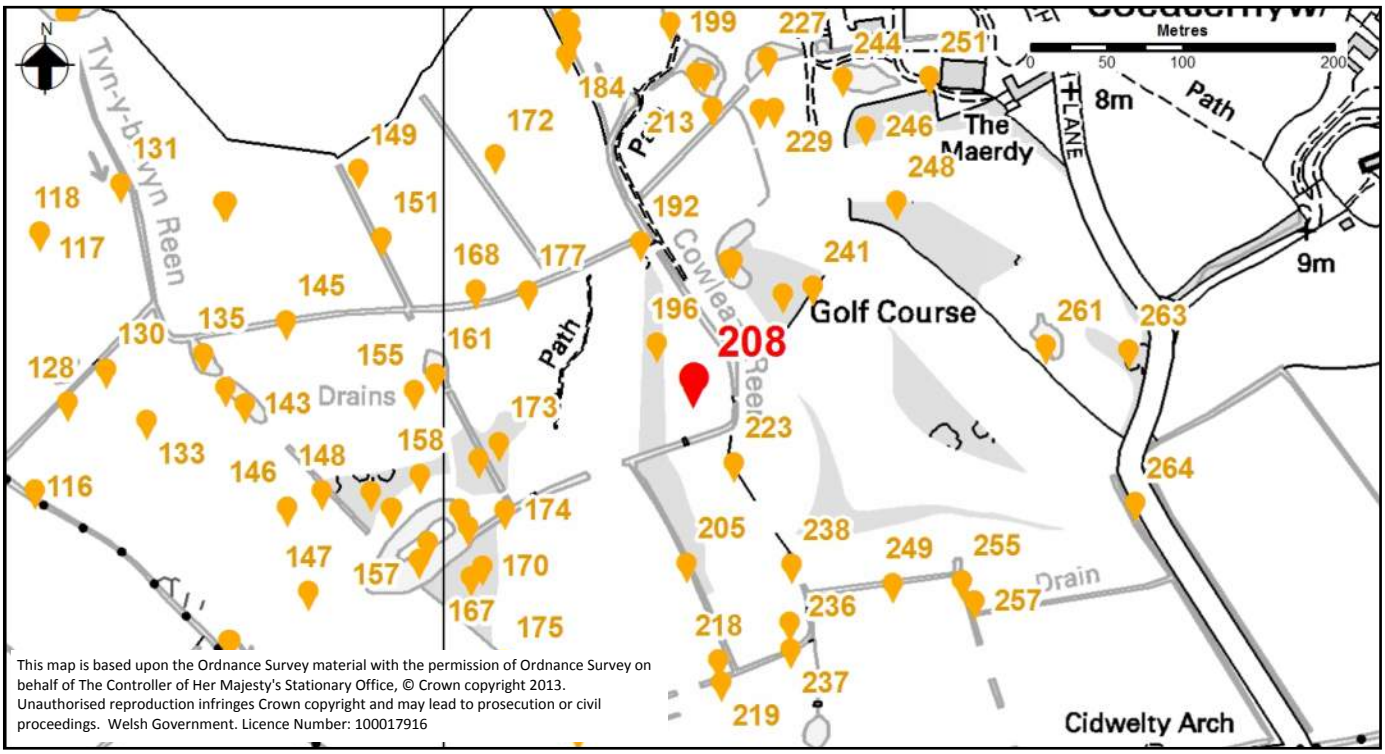

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	210	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and treeline

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

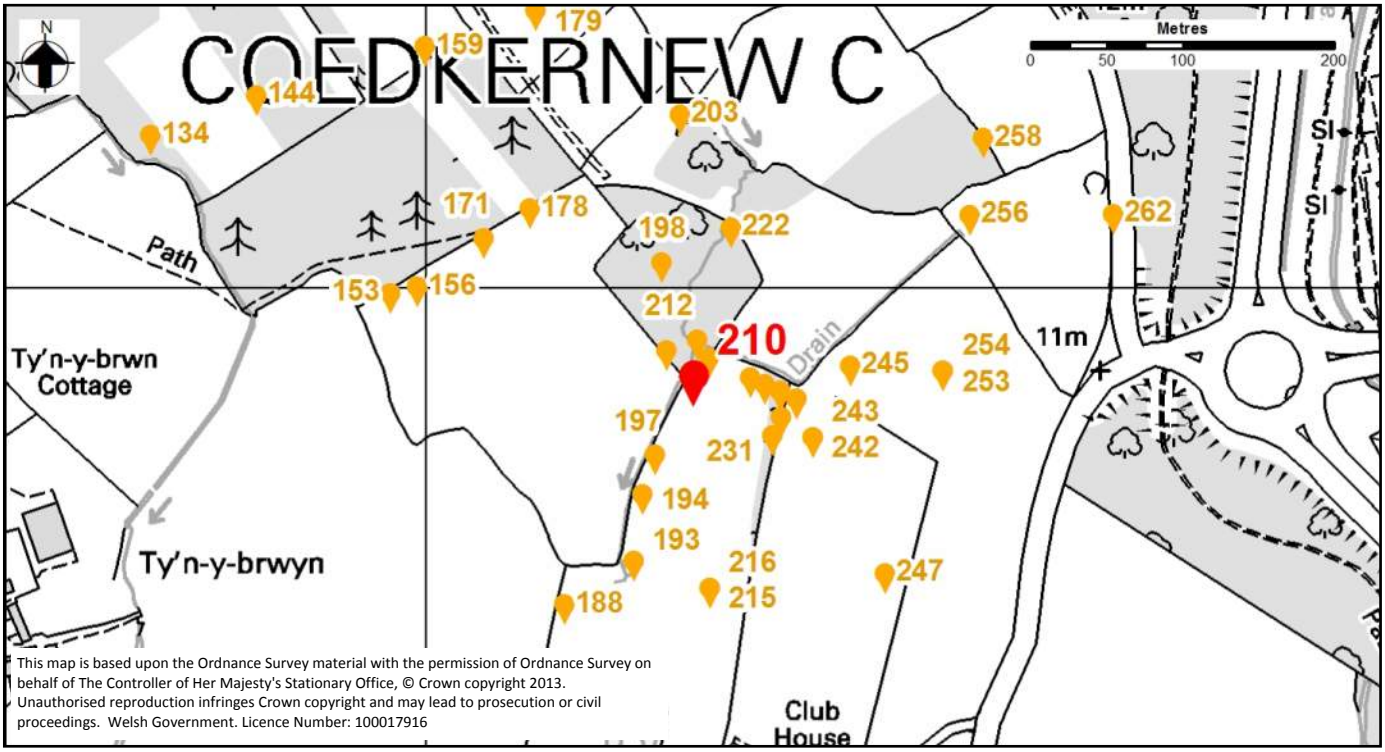

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	211	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Sycamore, silver birch, ivy

Potential for Protected Species:

Target Note Location Map:

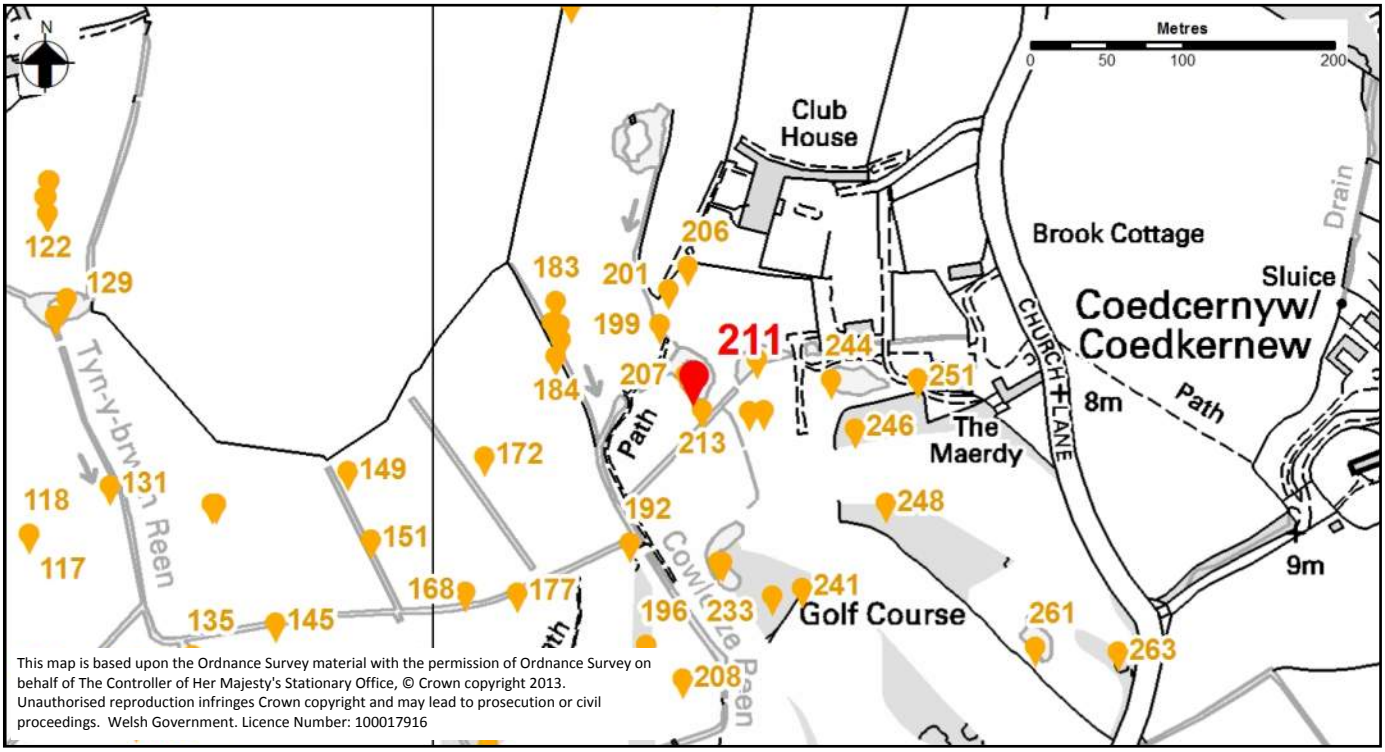

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	212	Date:	07-05-2014	GPS:	51.55, -3.05

Dominant Habitats:

Reedbed/pond

Potential for Protected Species:

Sedge warbler

Target Note:

Sedge warbler

Target Note Location Map:

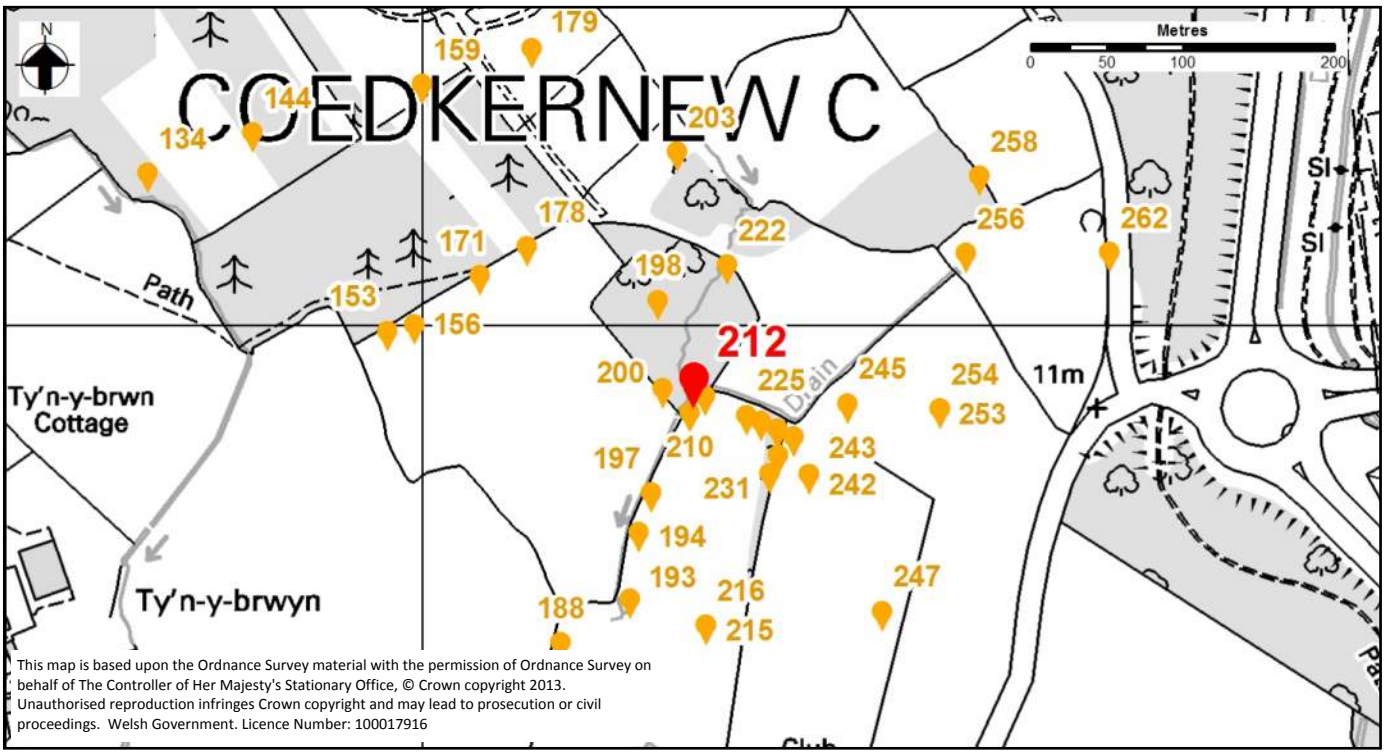

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	213	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Hornbeam, broad leaved lime, sycamore, conifer, alder, weeping willow, willow sp.

Potential for Protected Species:

Target Note Location Map:

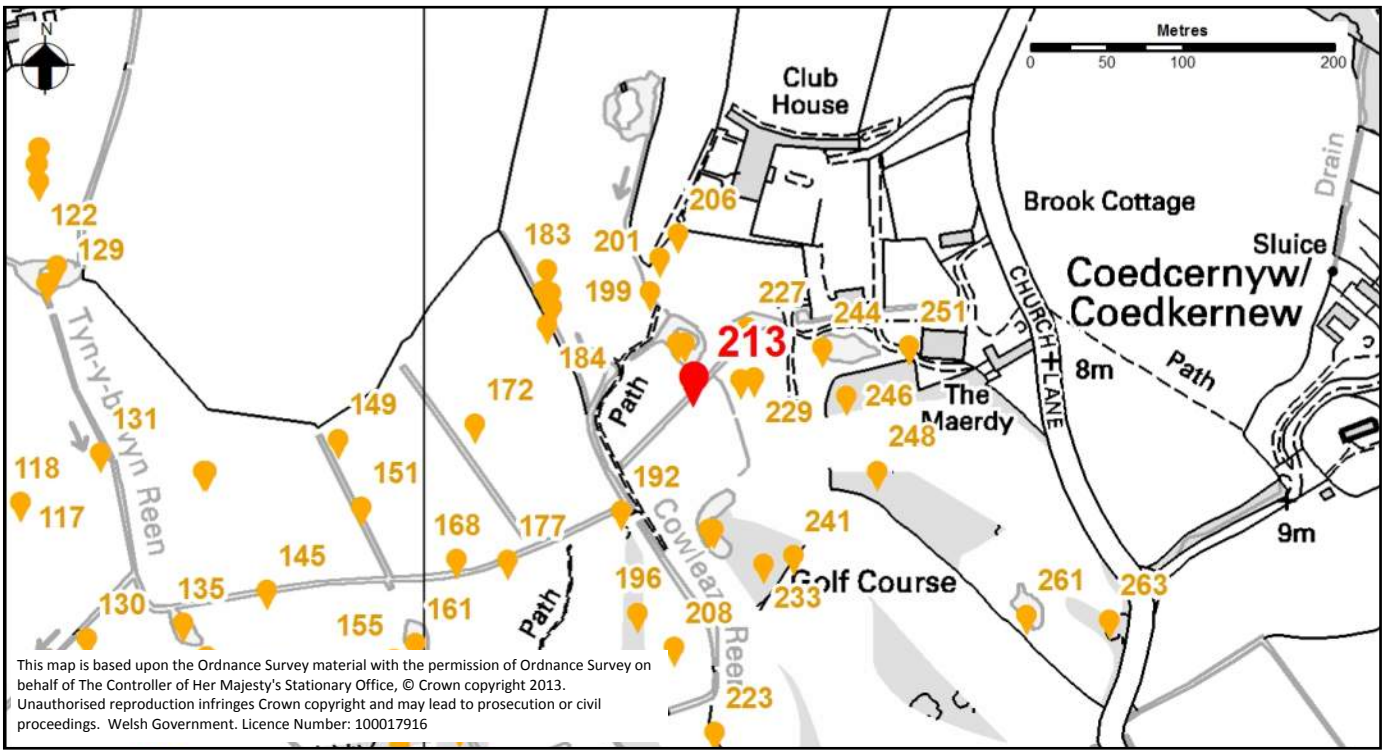

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	214	Date:	07-05-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and scrub/Semi-natural broadleaved woodland

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note:

Himalayan balsam

Target Note Location Map:

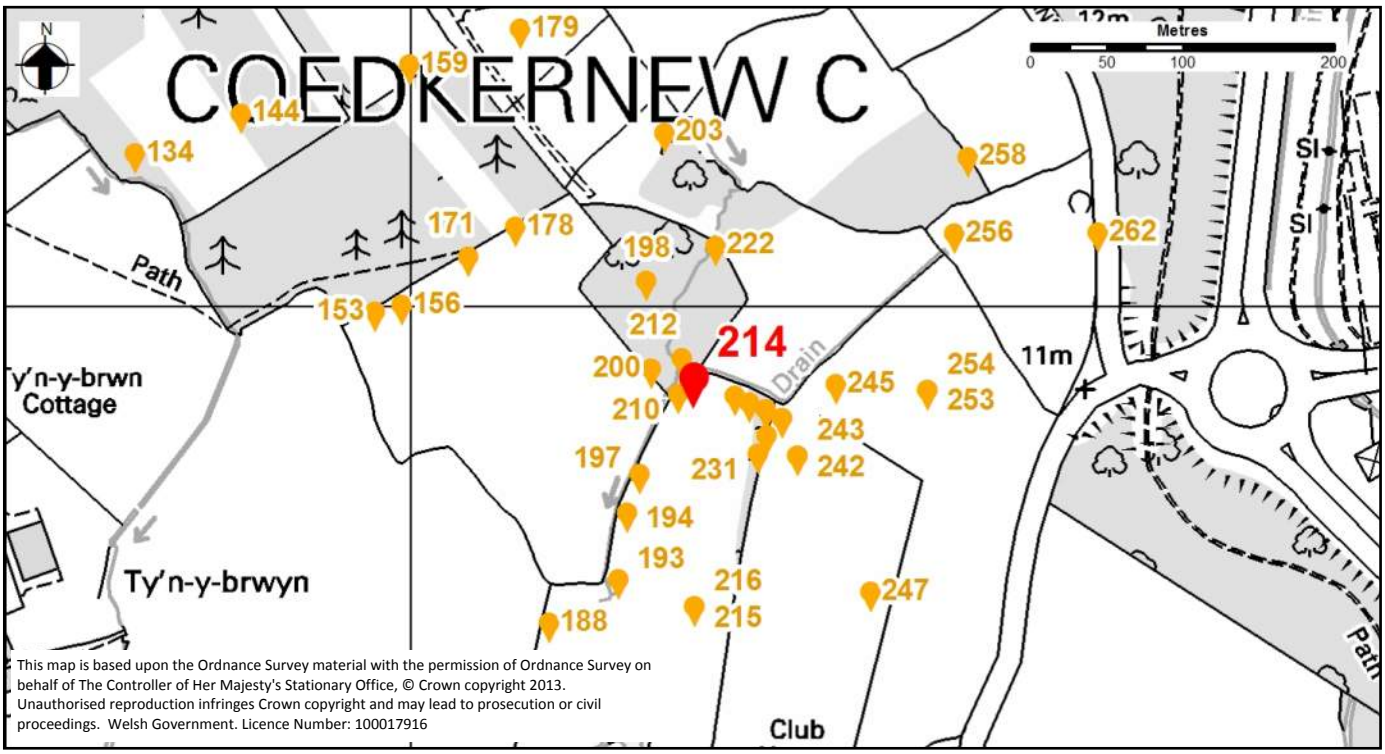

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	215	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland

Target Note:

Closely cut golf fairway. Species include: perennial rye grass, daisy, white clover, dock sp. dandelion sp., ribwort plantain

Potential for Protected Species:

Target Note Location Map:

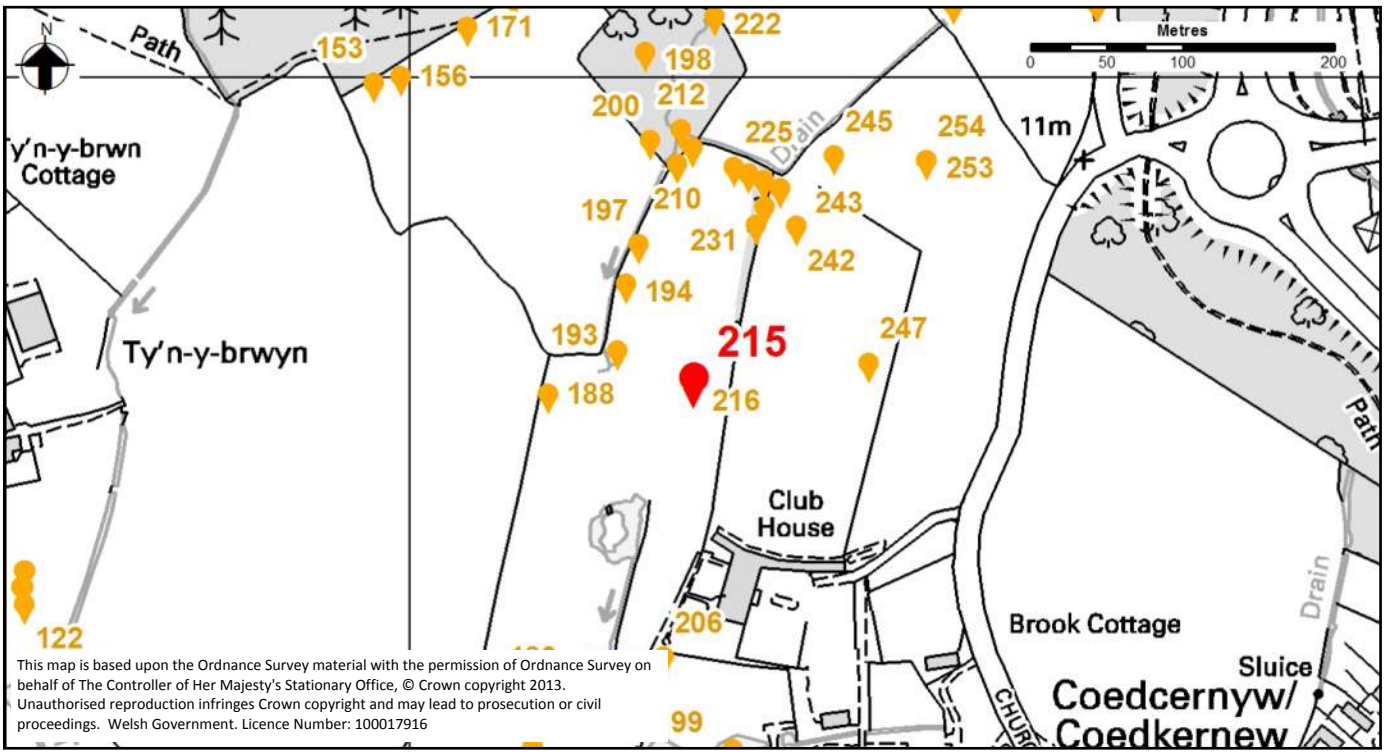

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	216	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland

Target Note:

Closely cut golf fairway. Species include: perennial rye grass, daisy, white clover, dock sp. dandelion sp., ribwort plantain

Potential for Protected Species:

Target Note Location Map:

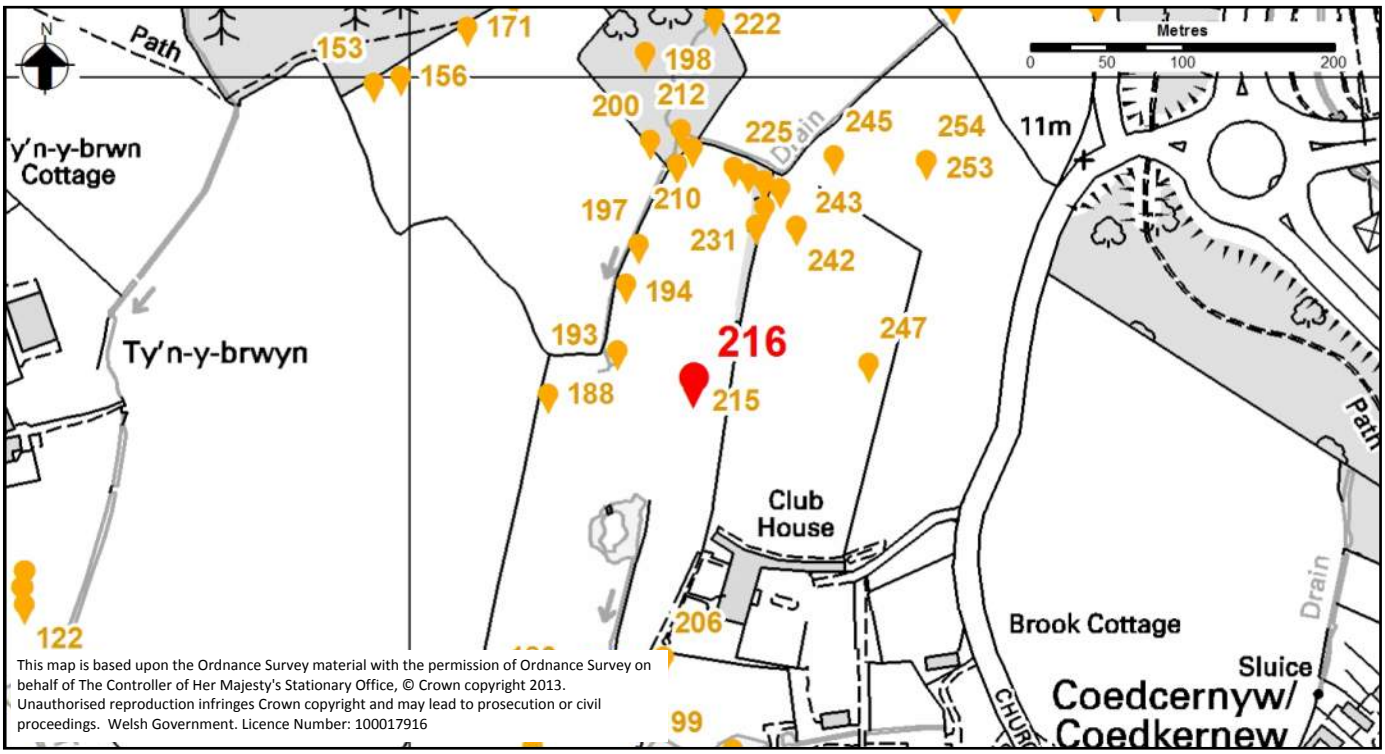

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	217	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Small amount of Juncus, narrow leaved dock, cock'sfoot, meadow buttercup

Potential for Protected Species:

Target Note Location Map:

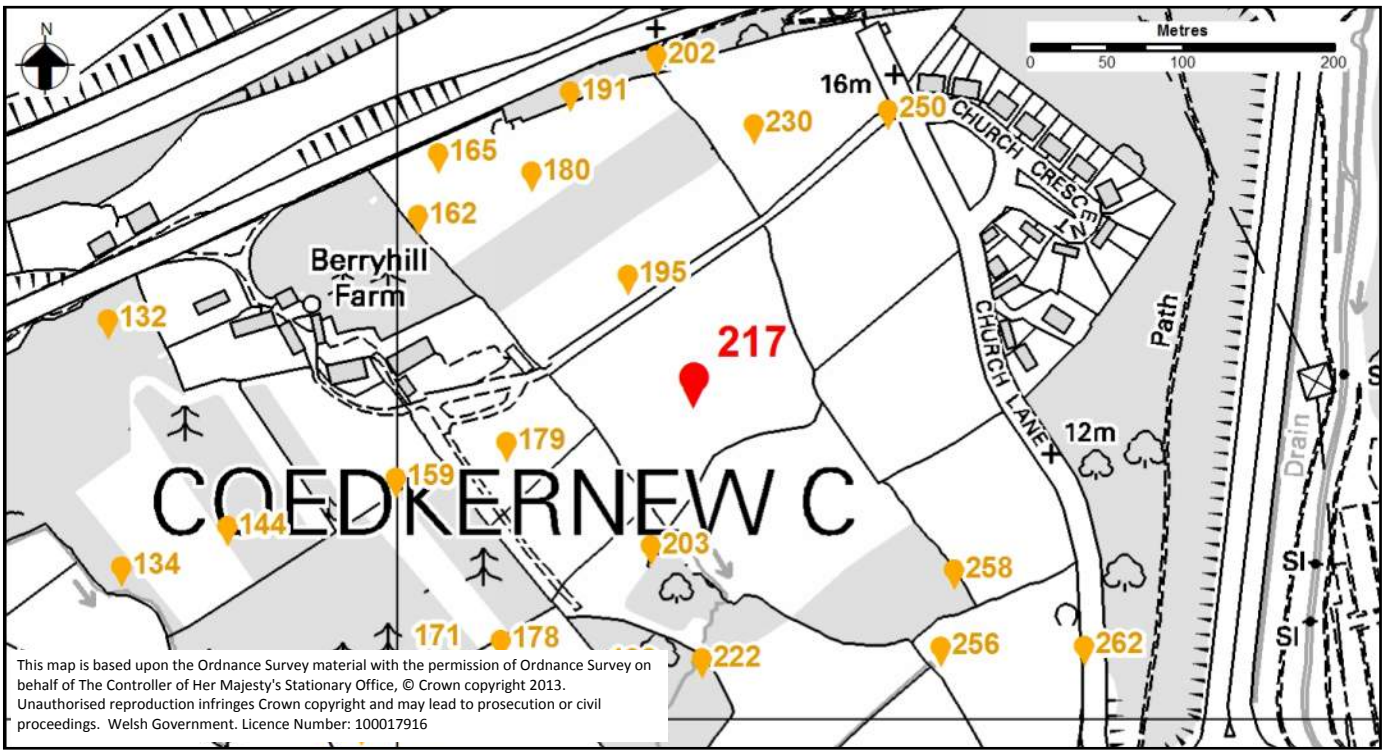

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	218	Date:	29-08-2014	GPS:	51.54, -3.05

Dominant Habitats:

Amenity grassland by reen, sand, treeline

Potential for Protected Species:

Reptiles

Target Note:

Brash pile in amenity grassland

Target Note Location Map:

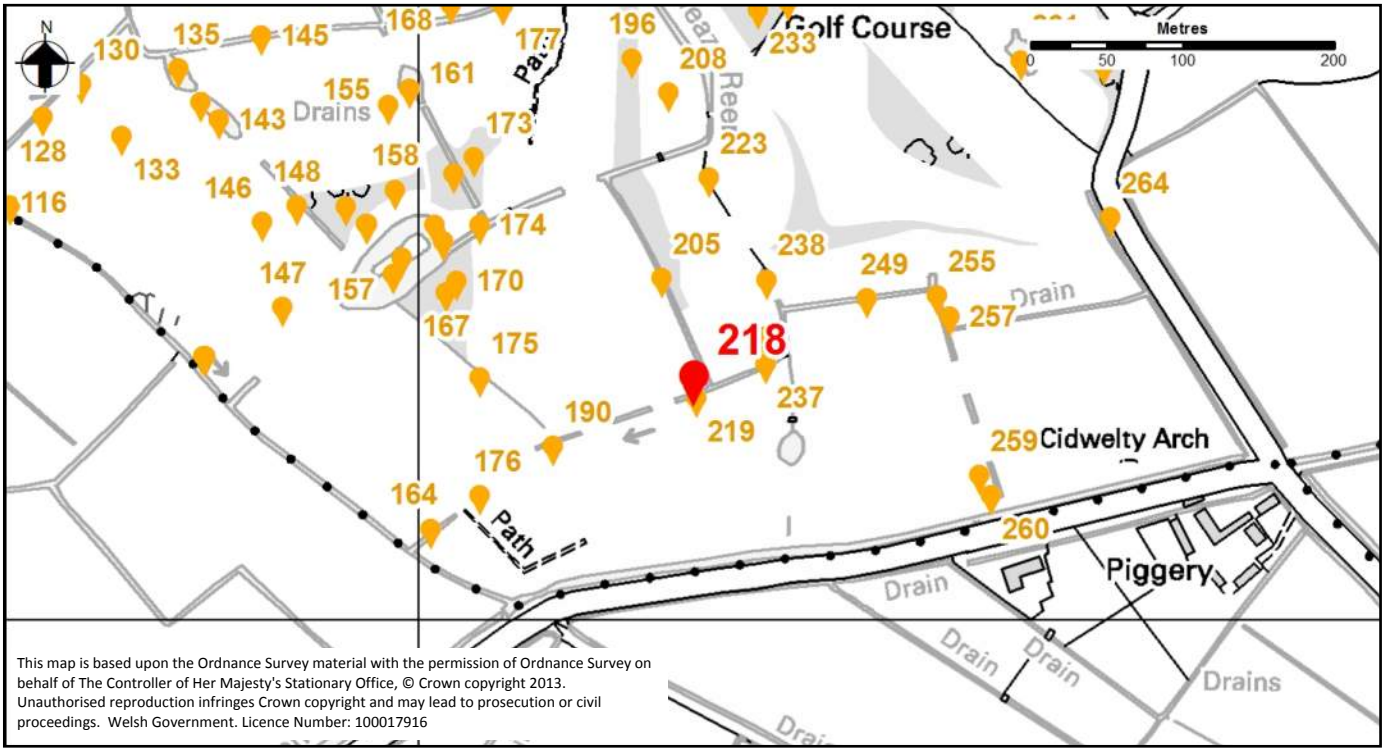

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	219	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Phragmites, nettle, greater plantain, ribwort plantain, birch

Potential for Protected Species:

Target Note Location Map:

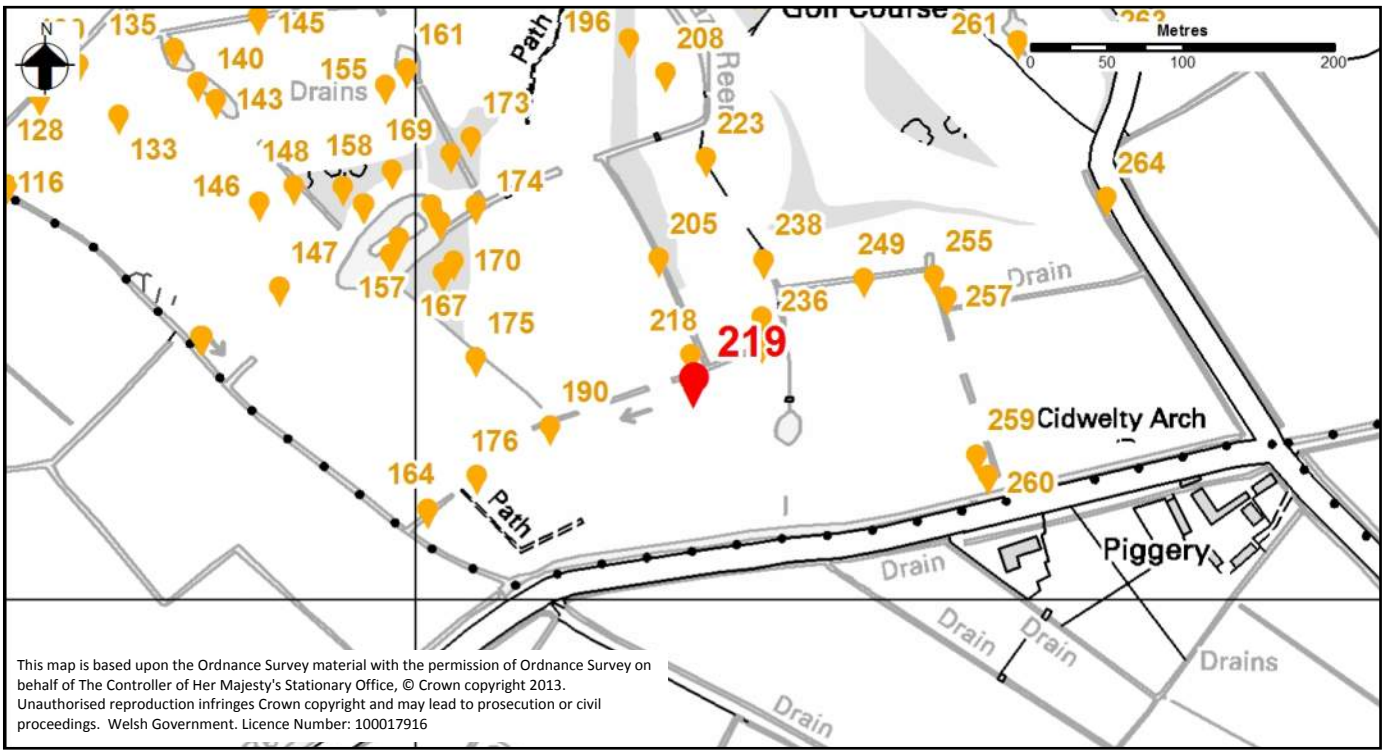

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	220	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Bulrush, Phragmites, hogweed, great willowherb, orange balsam, broad leaved dock.

Potential for Protected Species:

Target Note Location Map:

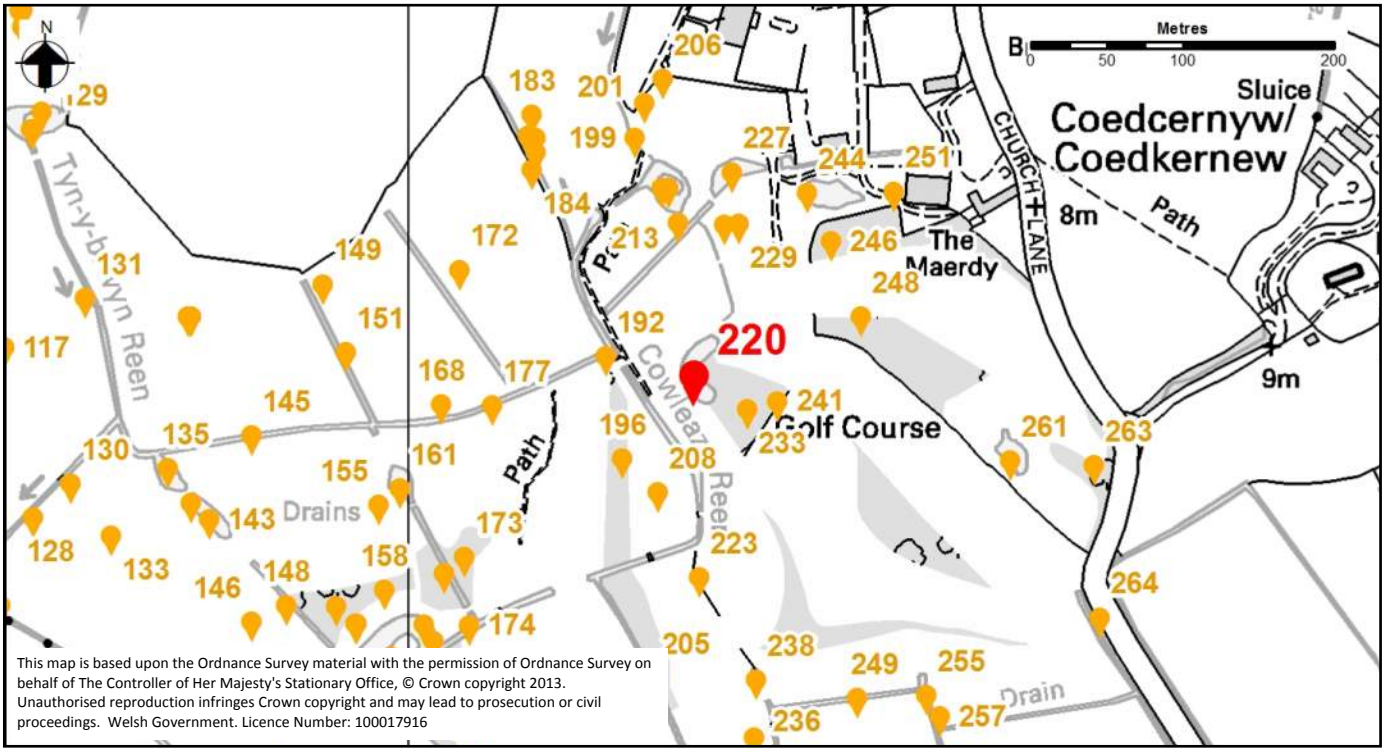

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	221	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Bulrush, Phragmites, hogweed, great willowherb, orange balsam, broad leaved dock.

Potential for Protected Species:

Target Note Location Map:

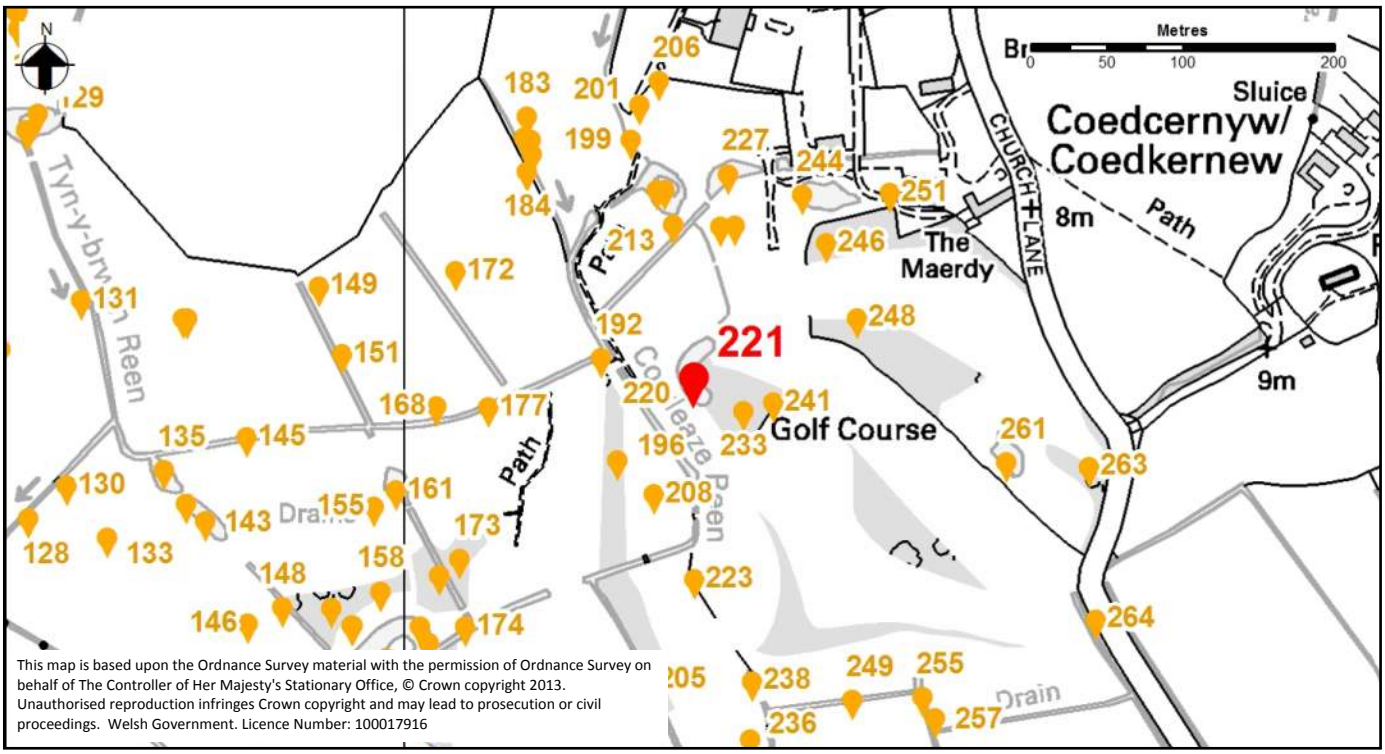

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	222	Date:	13-05-2014	GPS:	51.55, -3.05

Dominant Habitats:

Semi-natural broadleaved woodland

Target Note:

Himalayan balsam along track

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

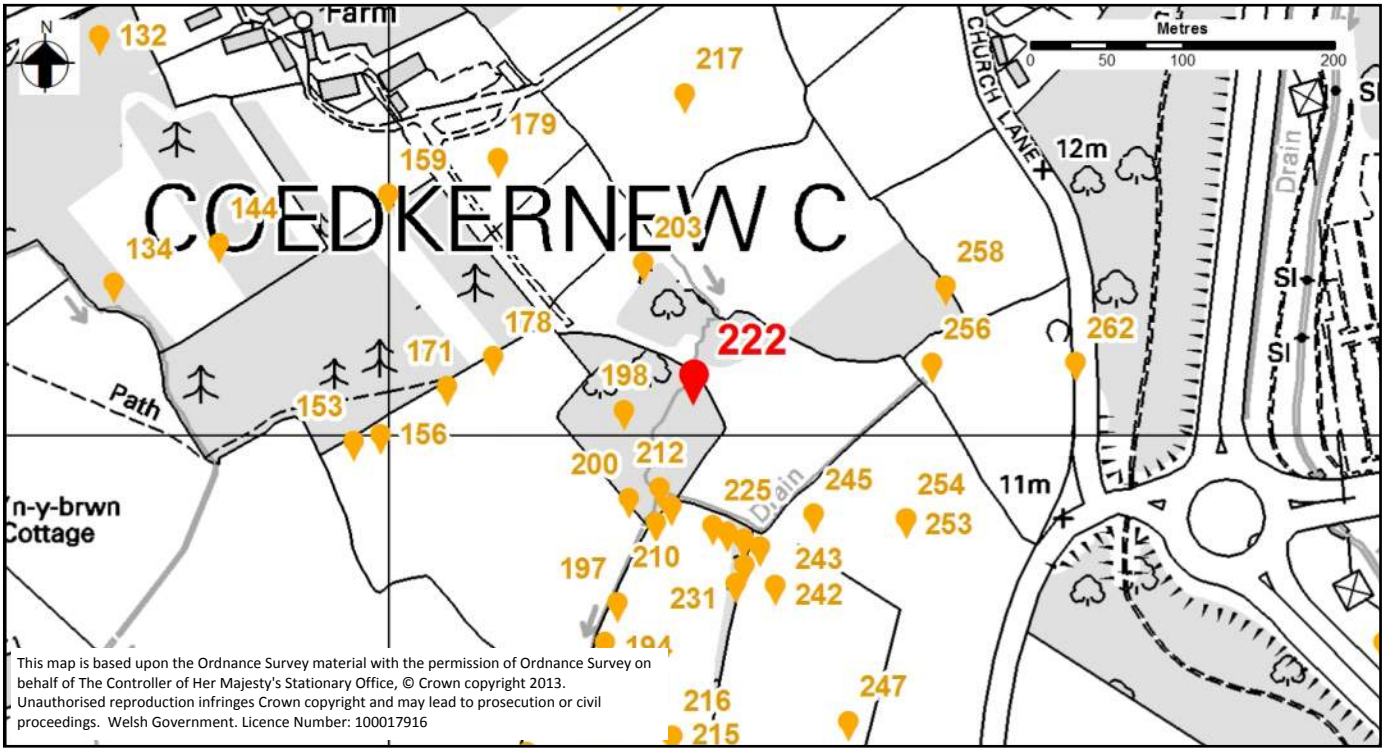

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	223	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Phragmites, nettle, ivy, sessile oak, birch, bramble, hawthorn, great willowherb, elder, sow thistle

Potential for Protected Species:

Target Note Location Map:

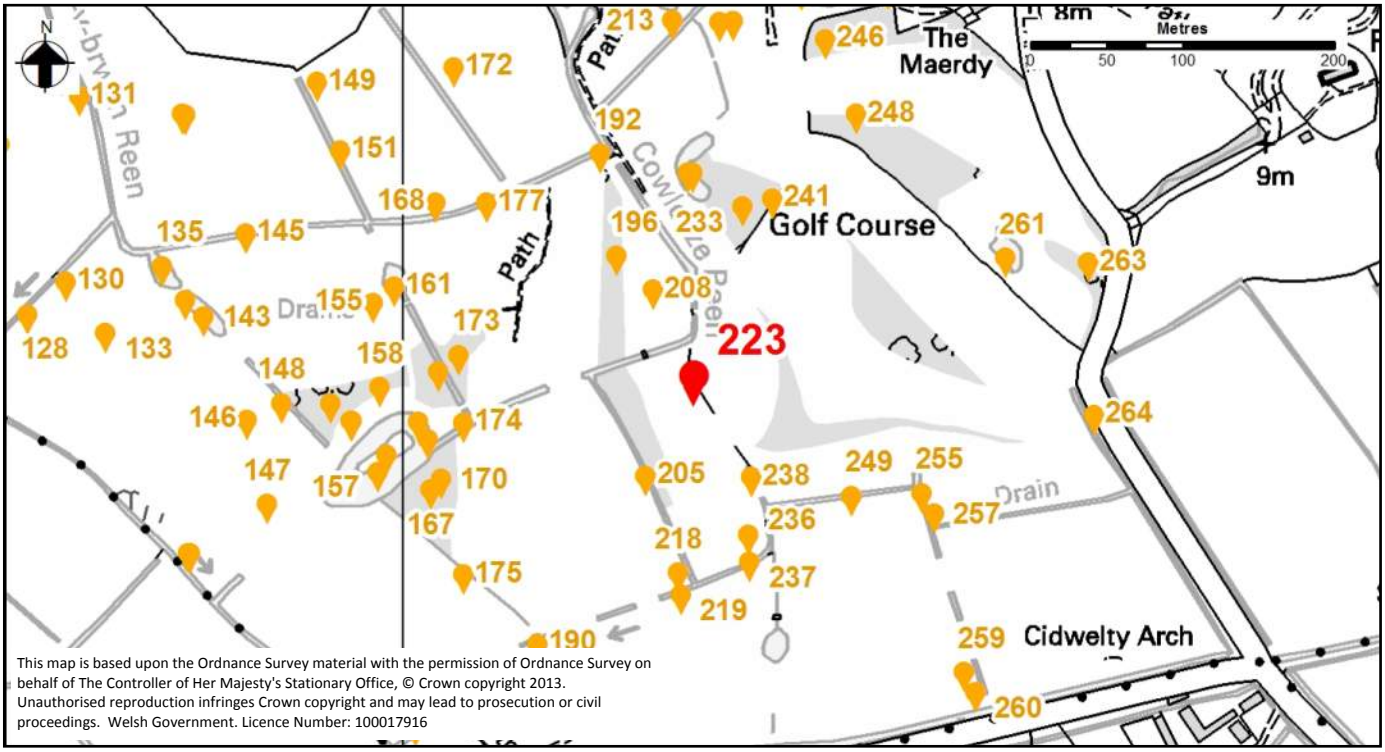

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	225	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and treeline

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

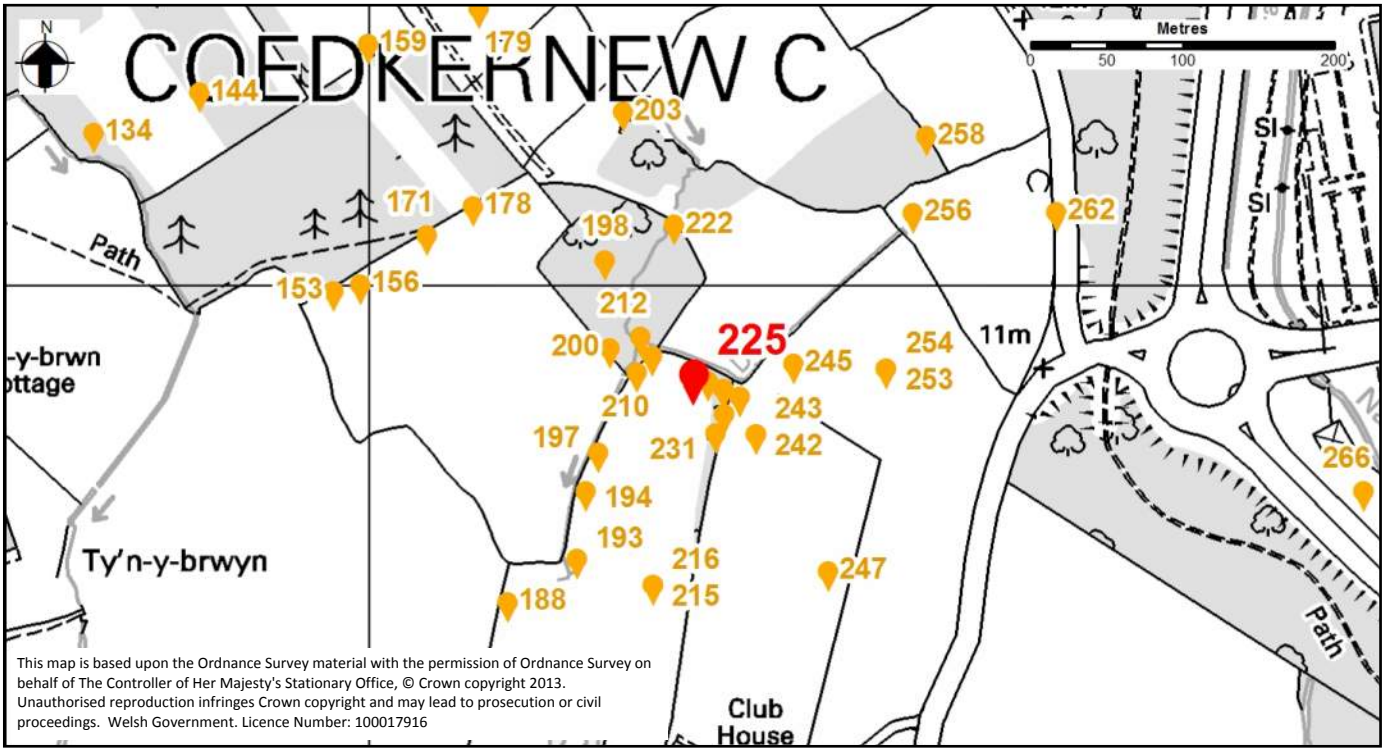

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	226	Date:	29-08-2014	GPS:	51.55, -3.05

Dominant Habitats:

Scattered trees and amenity grassland

Target Note:

Brash pile, potential refugia

Potential for Protected Species:

Reptiles

Target Note Location Map:

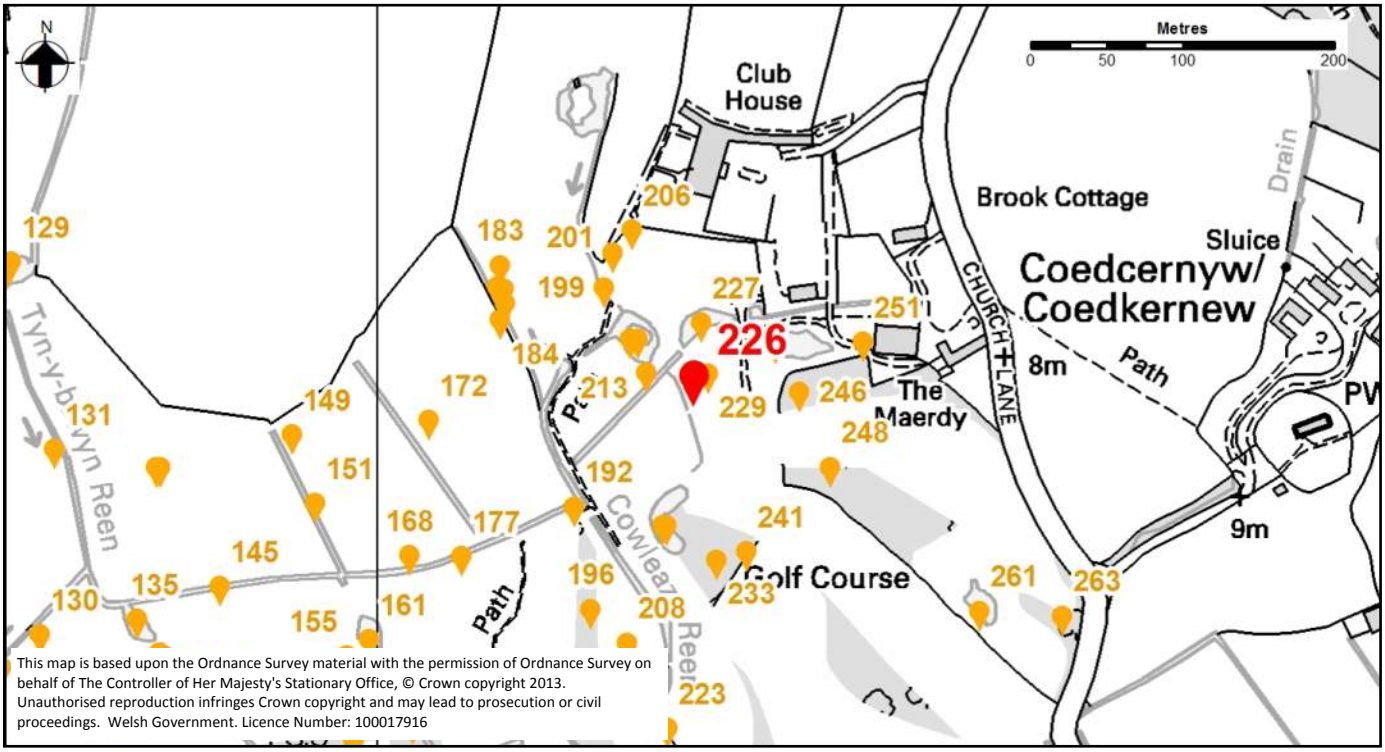

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	227	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Phragmites, nettle, cock's foot, silverweed, young white poplar, dock, Yorkshire fog, thistle, watermint

Potential for Protected Species:

Target Note Location Map:

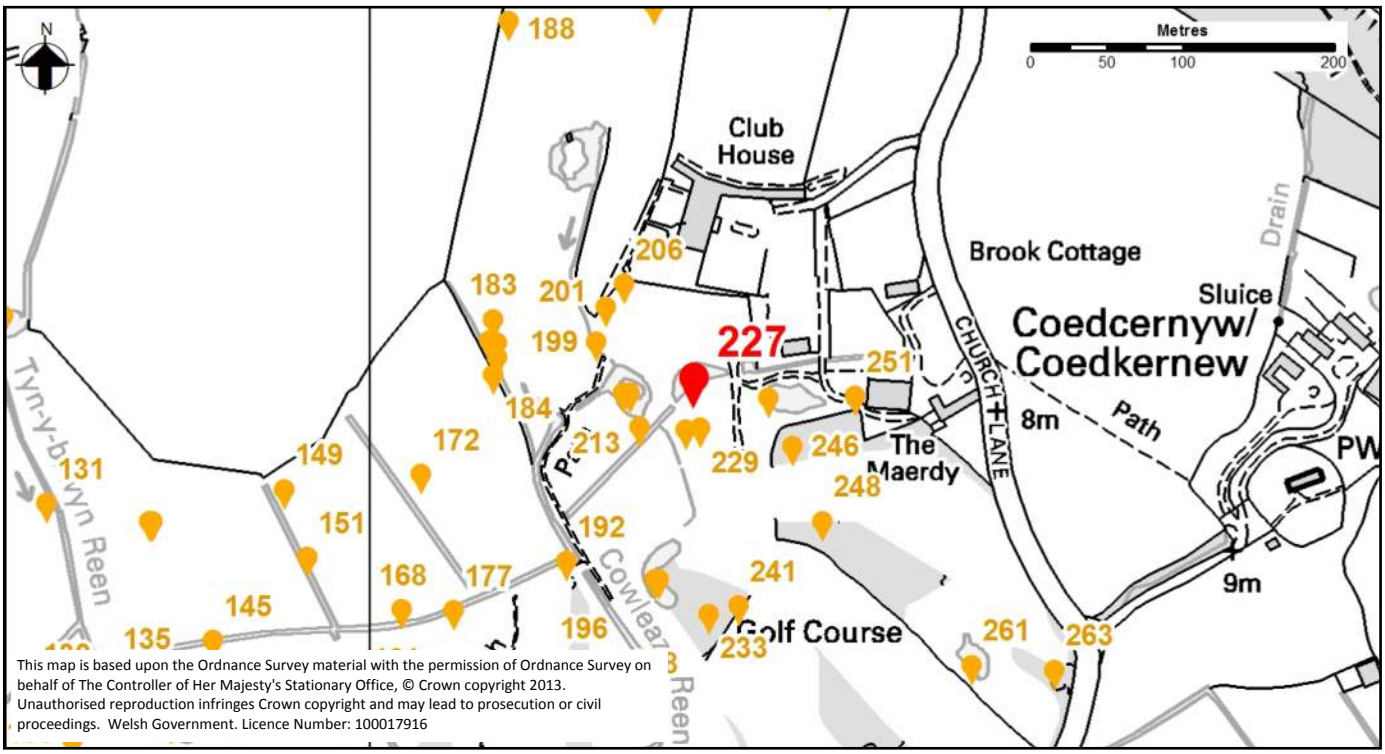

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	228	Date:	23-07-2014 11:50	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow

Target Note:

Himalayan Balsam in ditch within hedge.
Oak in north eastern corner with bat potential.

Potential for Protected Species:

WCA Schedule 9 Invasive
Bats

Target Note Location Map:

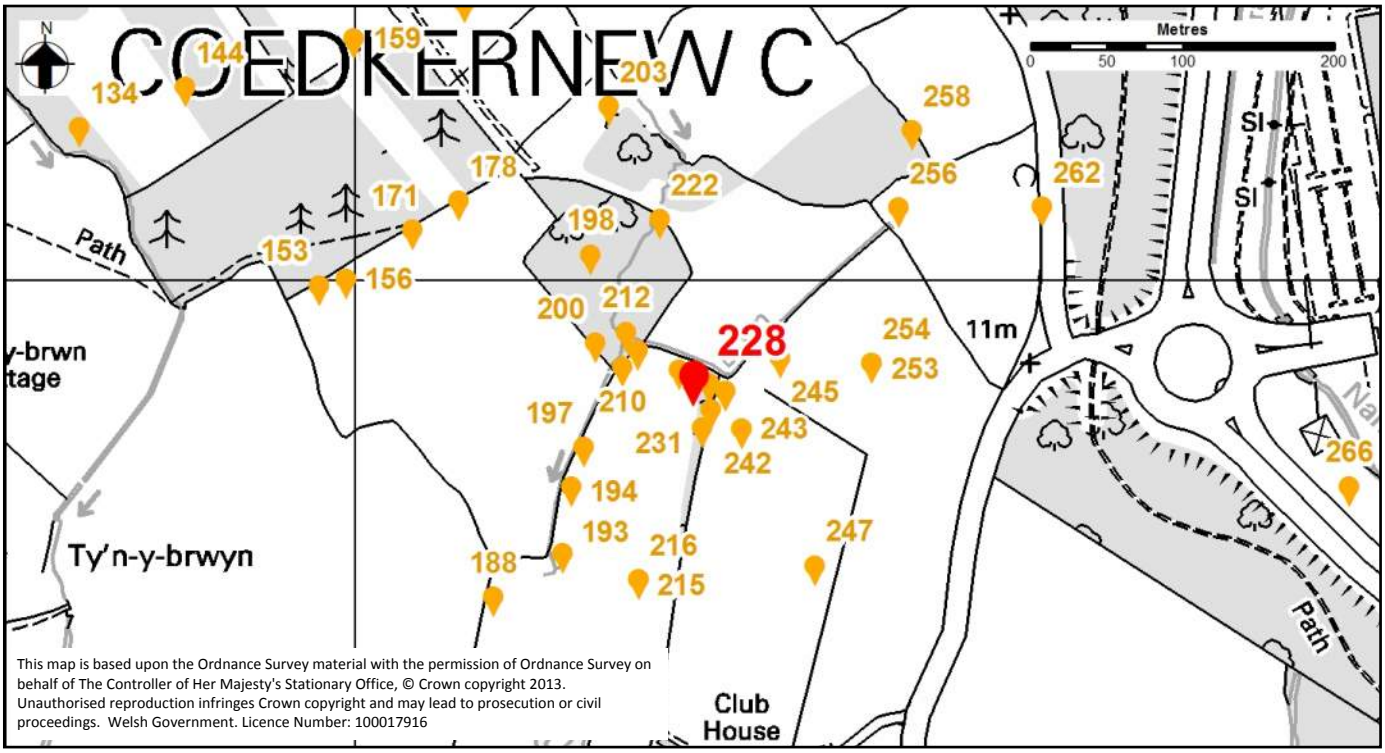

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	229	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

White poplar, sycamore, bramble, rose sp., birch, field maple

Potential for Protected Species:

Target Note Location Map:

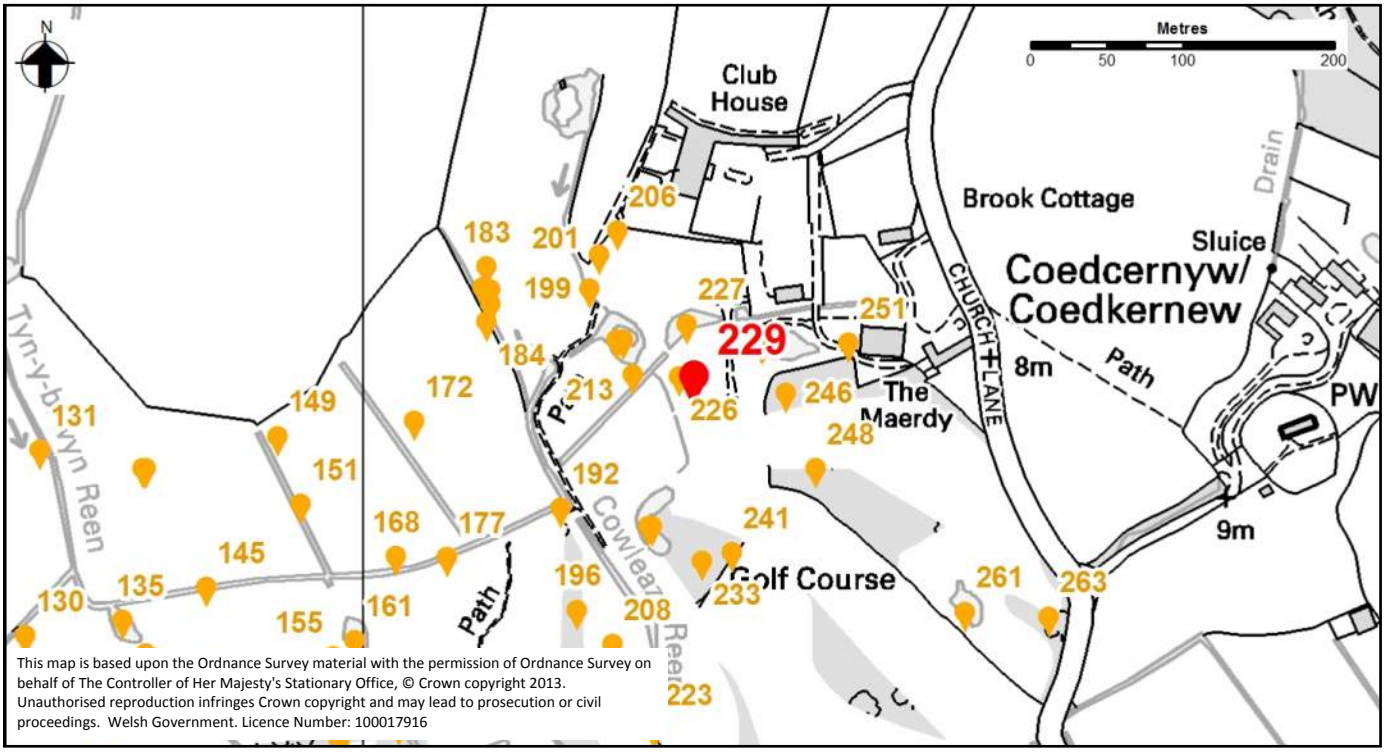

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	230	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Ragwort, bramble, willowherb sp., hazel, umbellifers, nettle

(fenced areas for fruit growing)

Potential for Protected Species:

Target Note Location Map:

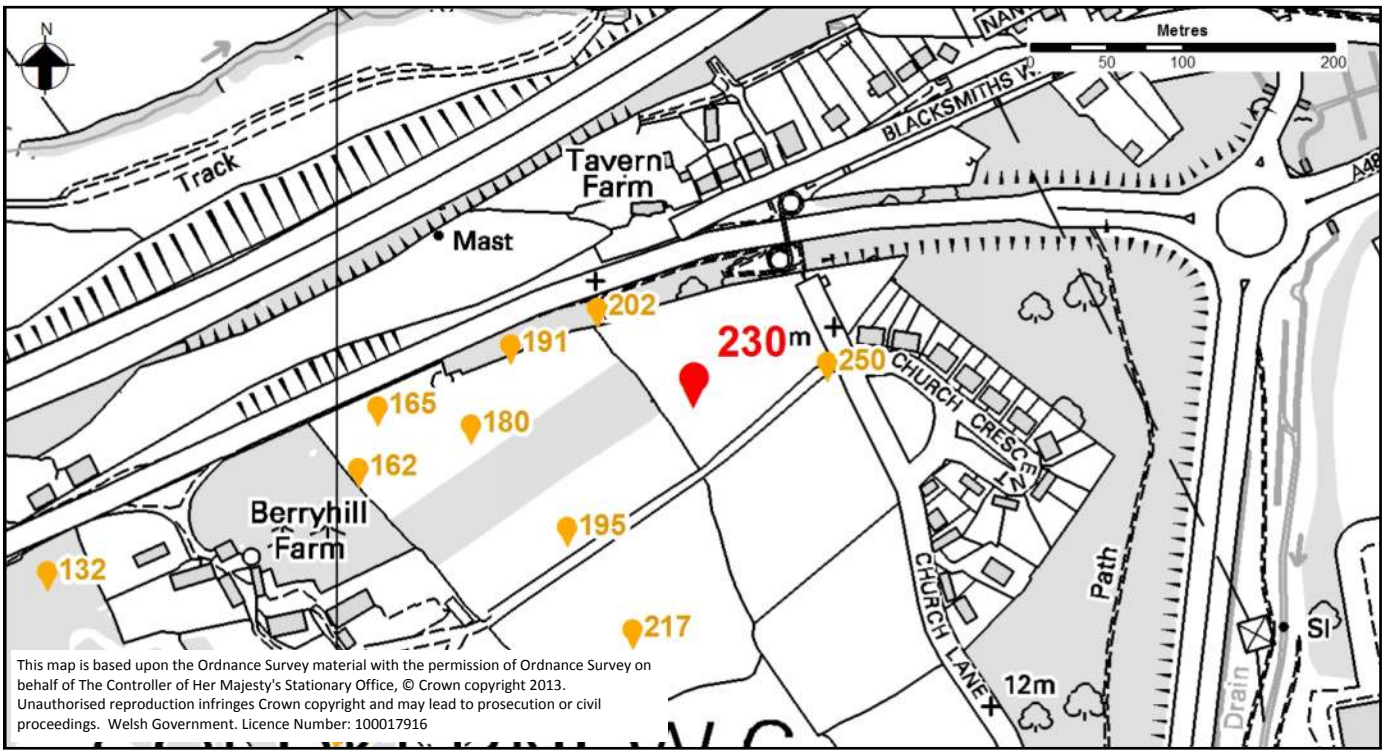

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	231	Date:	07-05-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and broadleaved woodland plantation

Target Note:

Great spotted woodpecker

Potential for Protected Species:

Target Note Location Map:

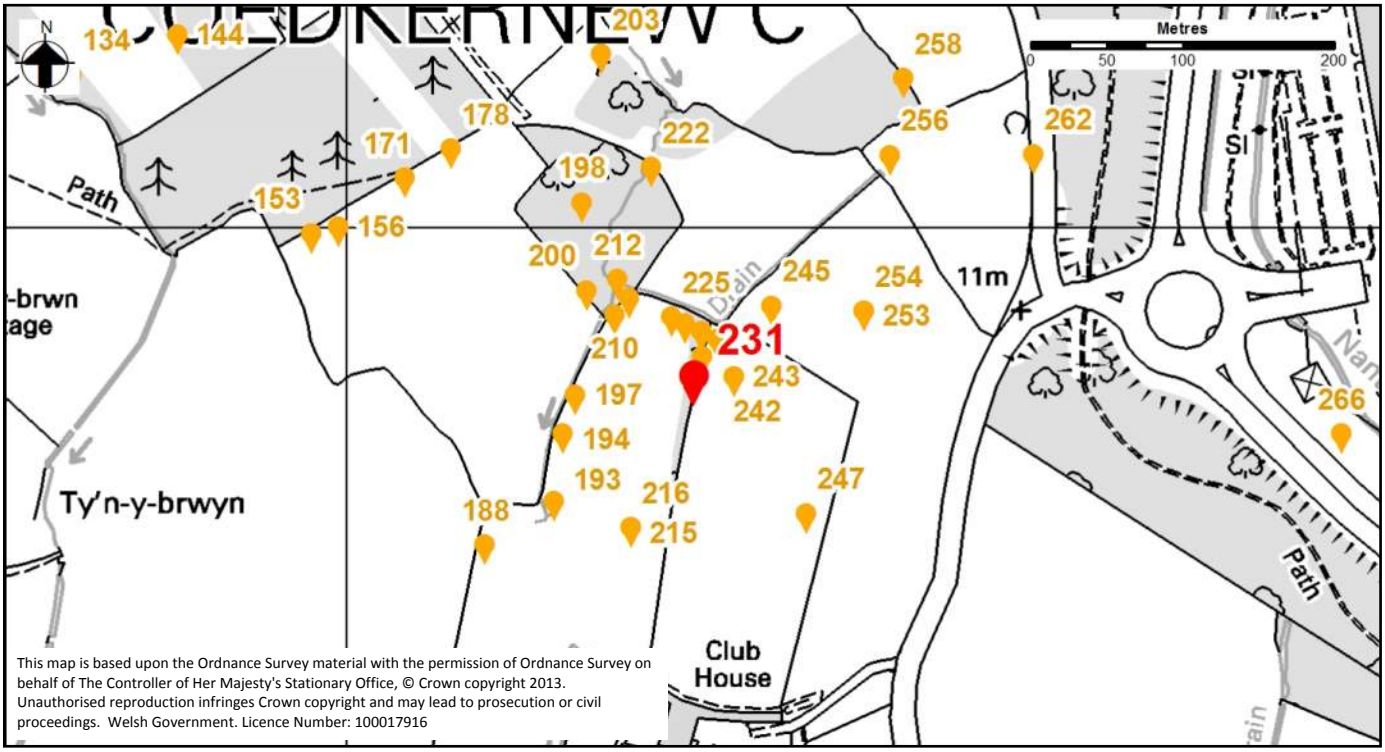

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	233	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Pendunculate oak, rowan, field maple, blackthorn, hawthorn, willow, rose, birch, maple, alder, weeping willow

Potential for Protected Species:

Target Note Location Map:

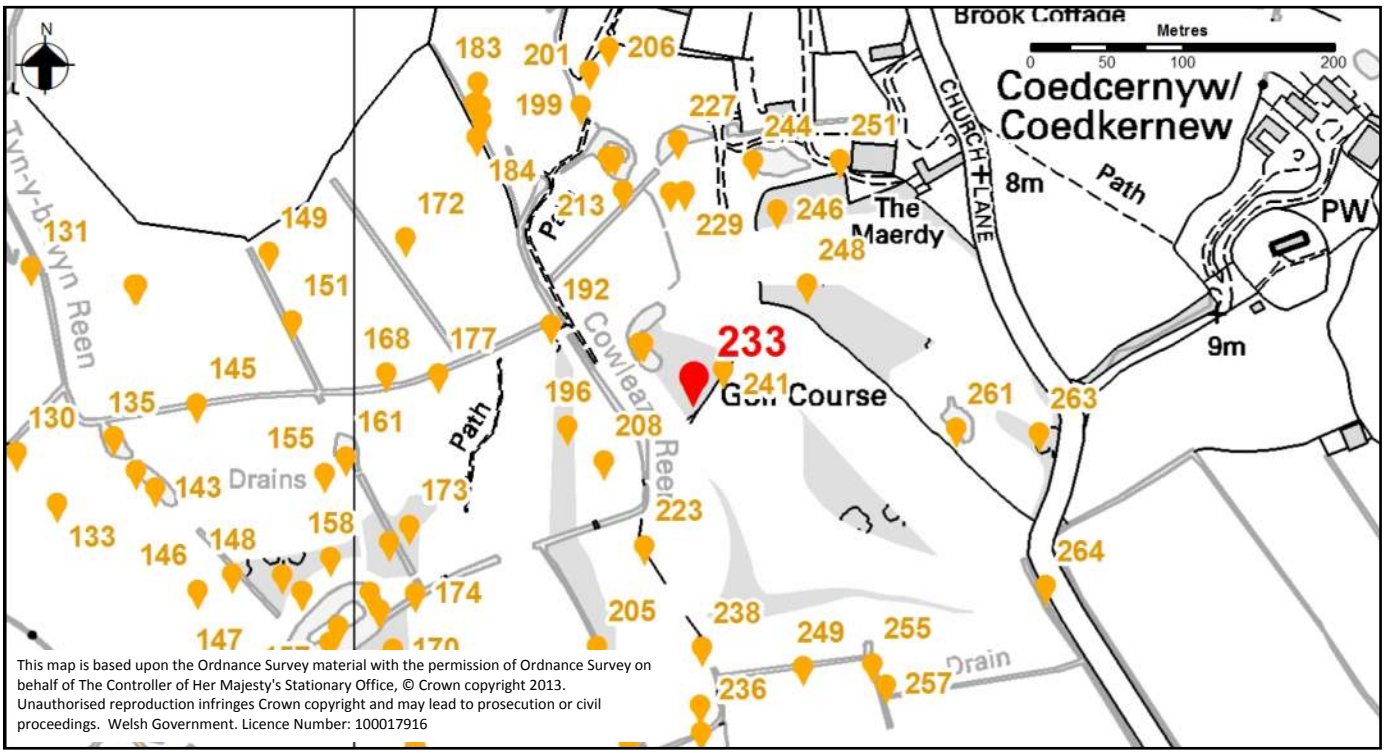

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	234	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland and treeline

Target Note:

Oak with bat potential

Potential for Protected Species:

Bat

Target Note Location Map:

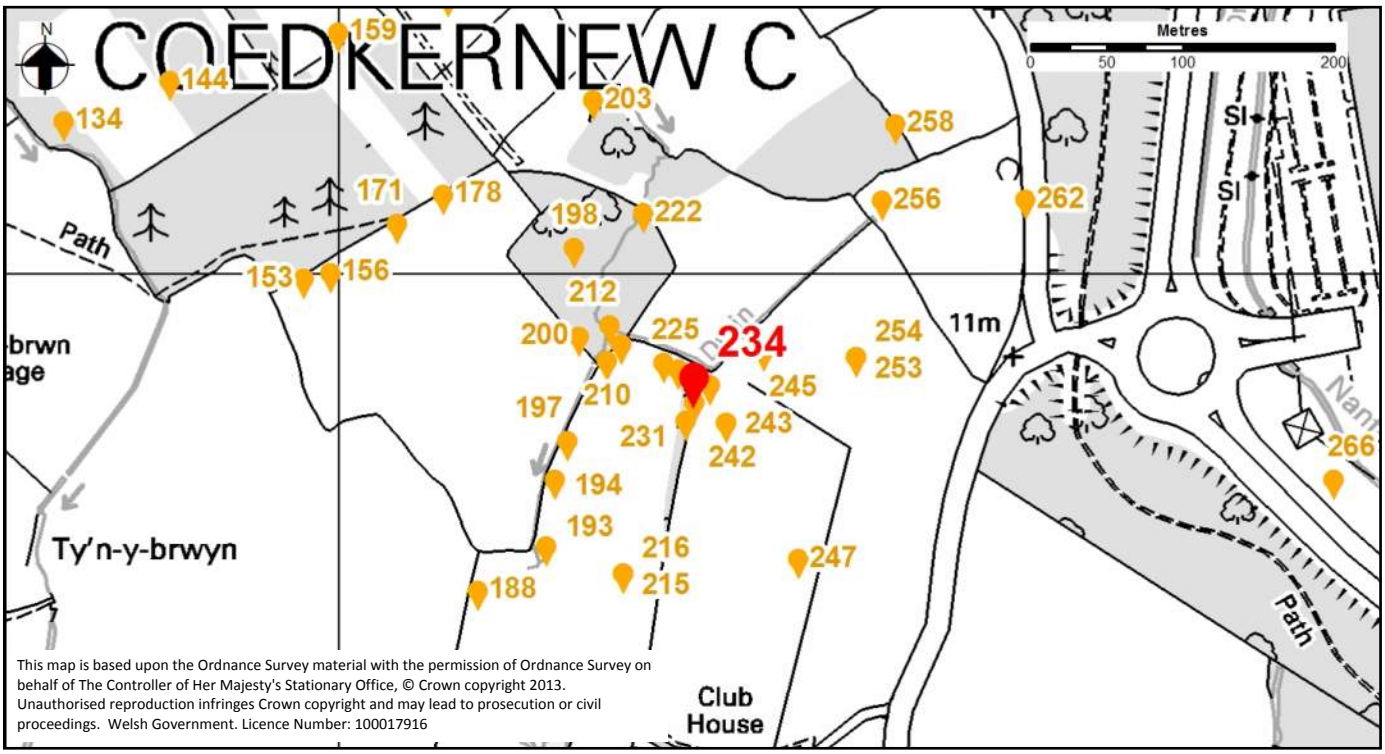

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	235	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland, treeline

Potential for Protected Species:

Possible reptile refuge

Target Note:

Section of unmowed amenity grassland. Species: common nettle, dock species, bramble, creeping buttercup, oxeye daisy, yarrow, thistle

Target Note Location Map:

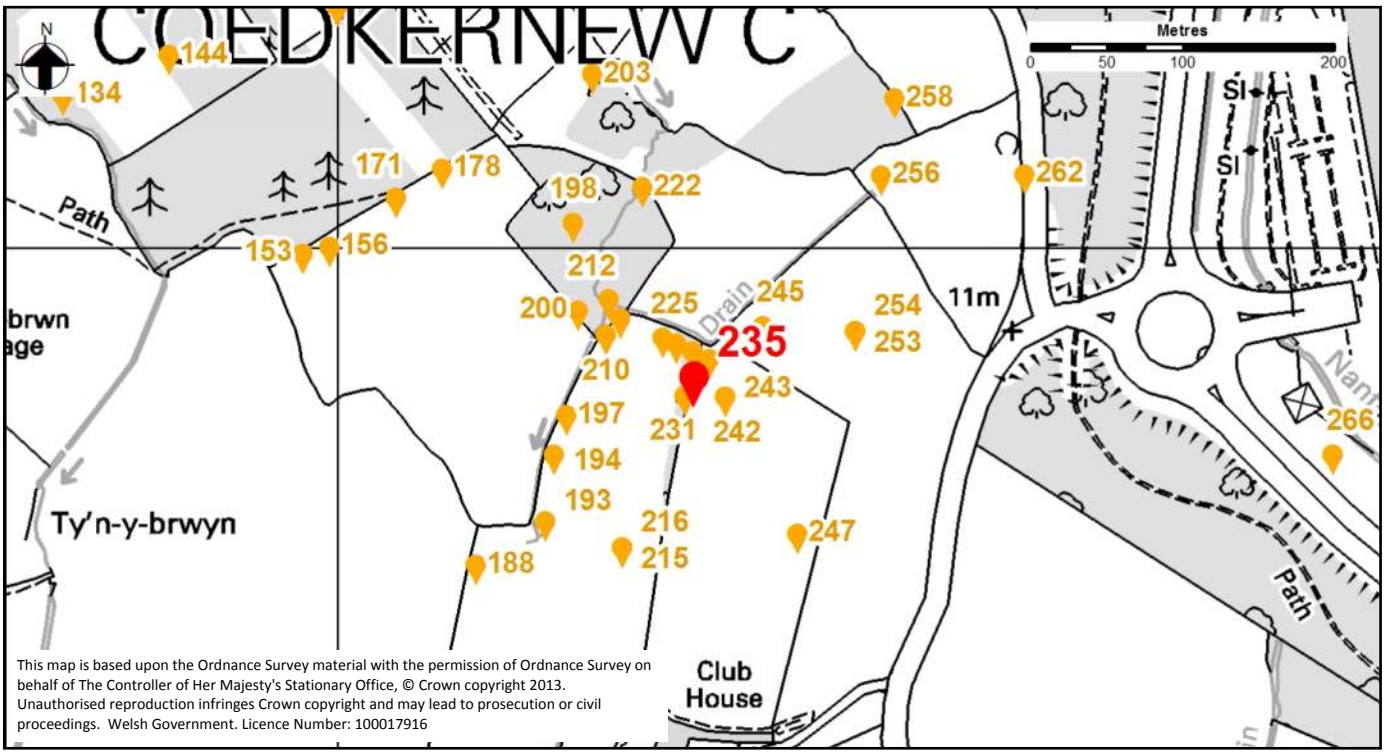

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	236	Date:	29-08-2014	GPS:	51.54, -3.05

Dominant Habitats:

Treeline, reen, amenity grassland

Potential for Protected Species:

Reptiles

Target Note:

Wood piles, potential refugia

Target Note Location Map:

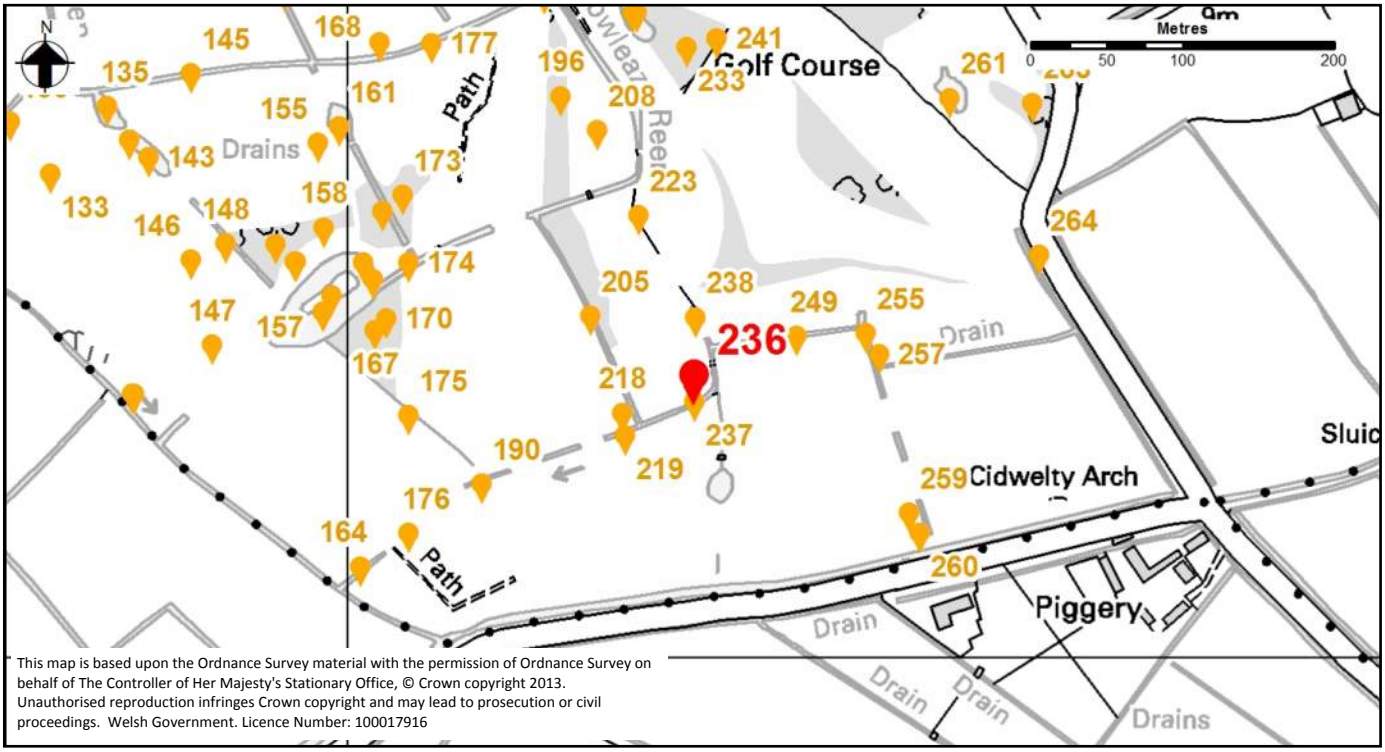

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	237	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, nettle, hemlock water dropwort, fern sp., dogwood

Potential for Protected Species:

Target Note Location Map:

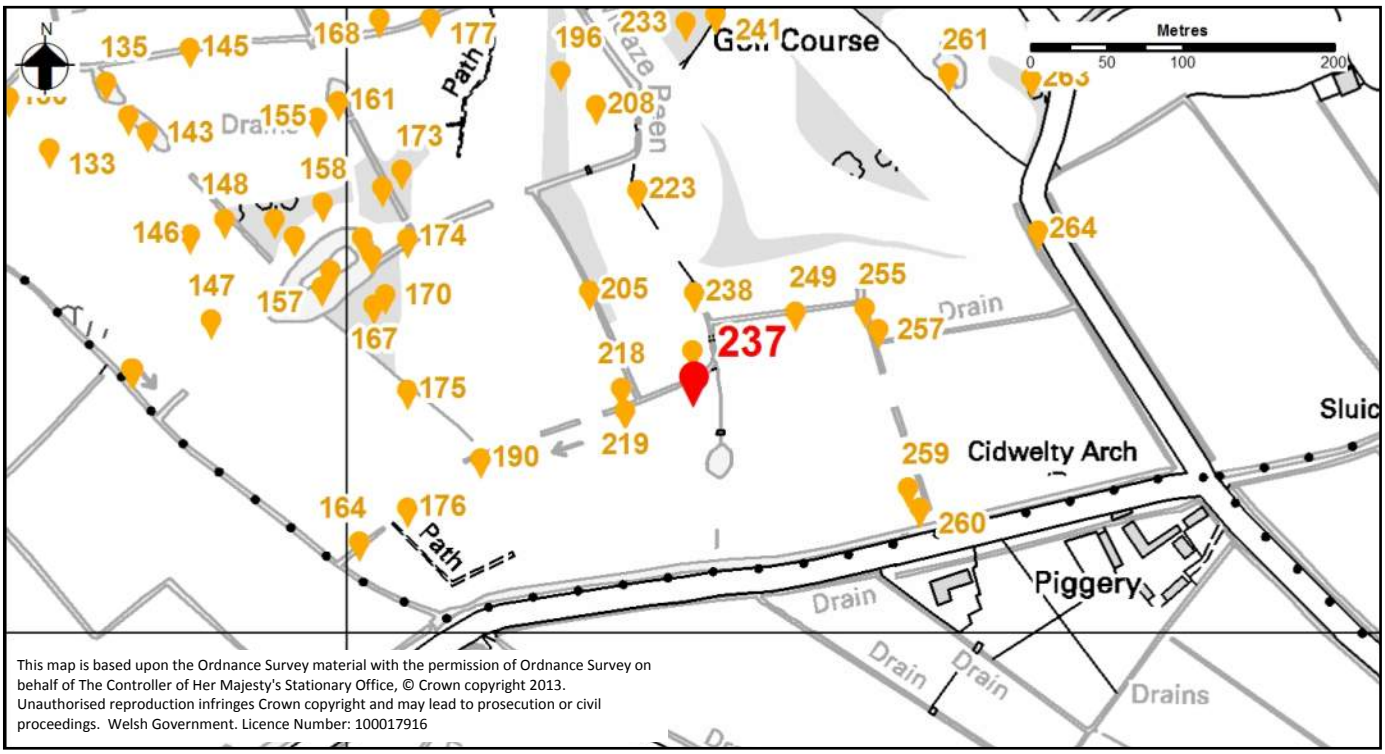

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	238	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed, willow, blackthorn, hawthorn, ivy, spear thistle, nettle

Potential for Protected Species:

Target Note Location Map:

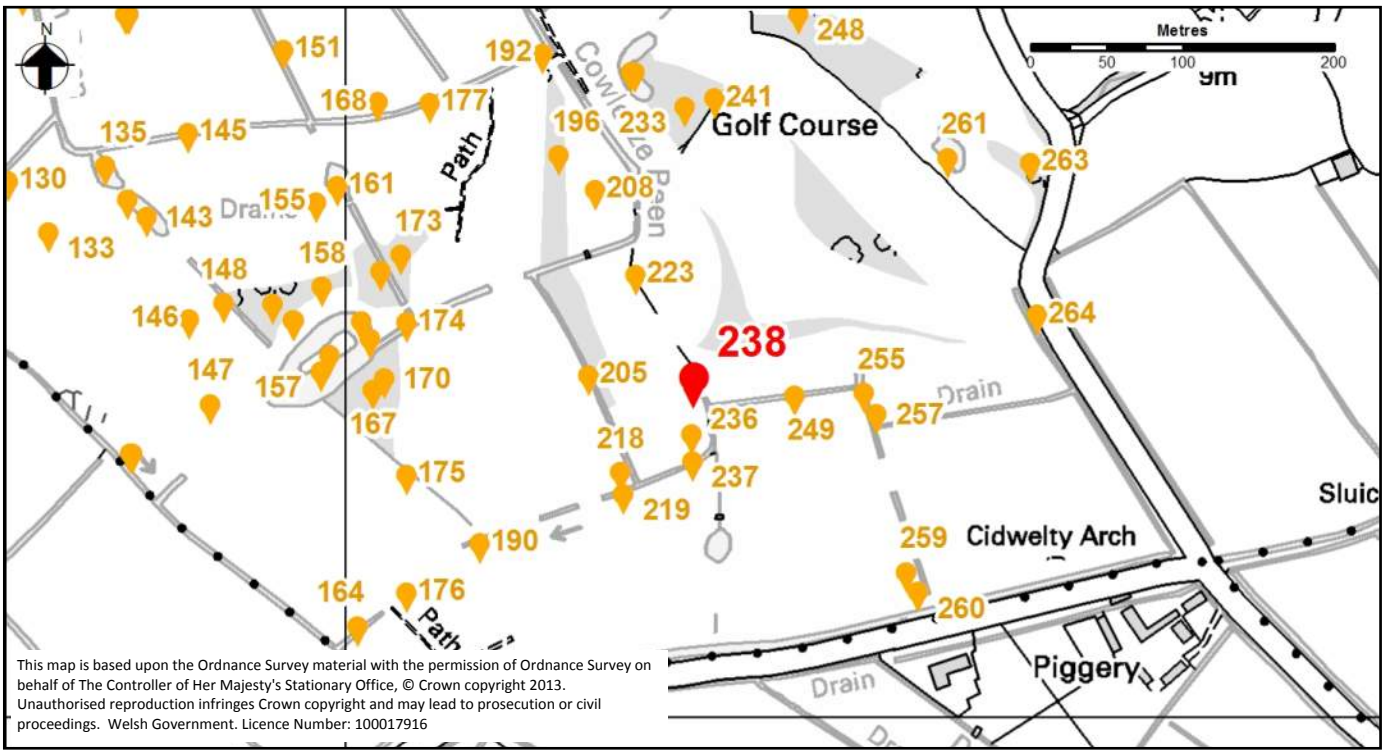

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	239	Date:	23-07-2014 13:59	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note Location Map:

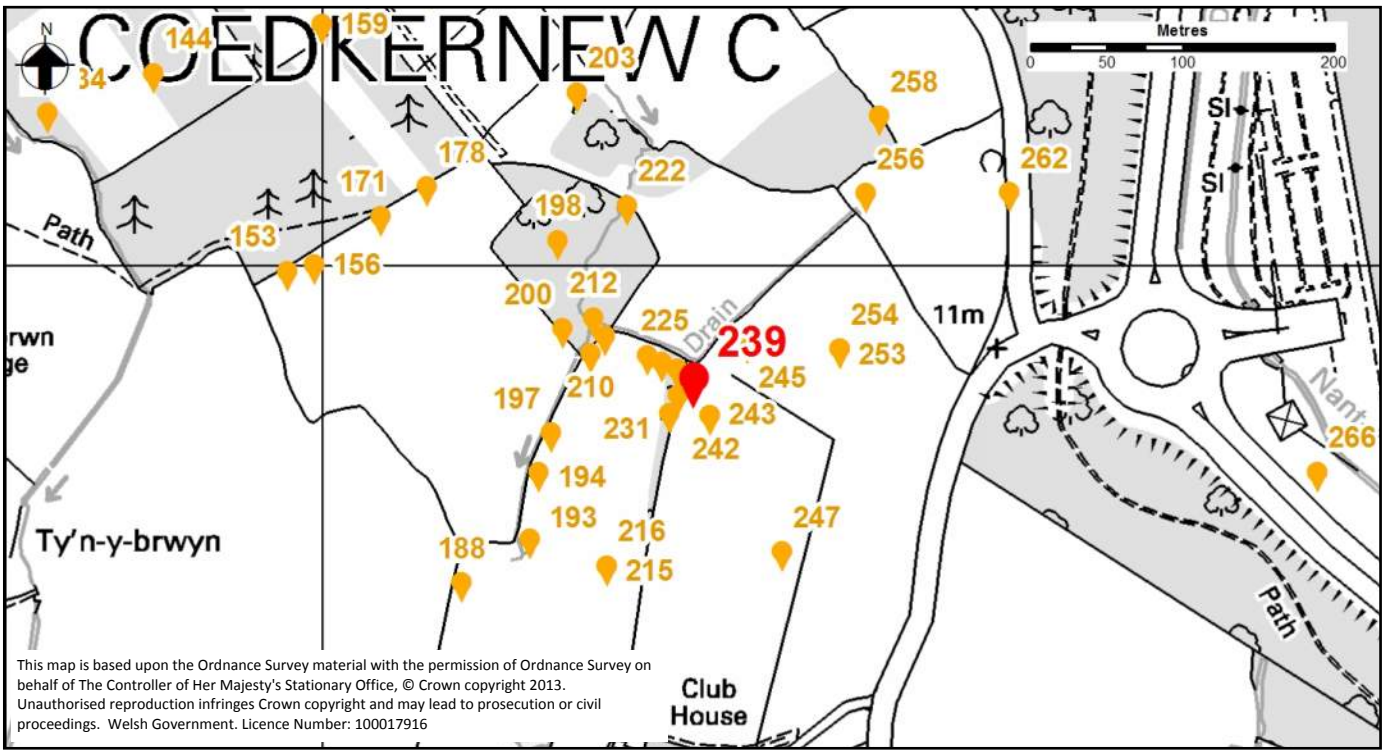

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	240	Date:	23-07-2014 13:59	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

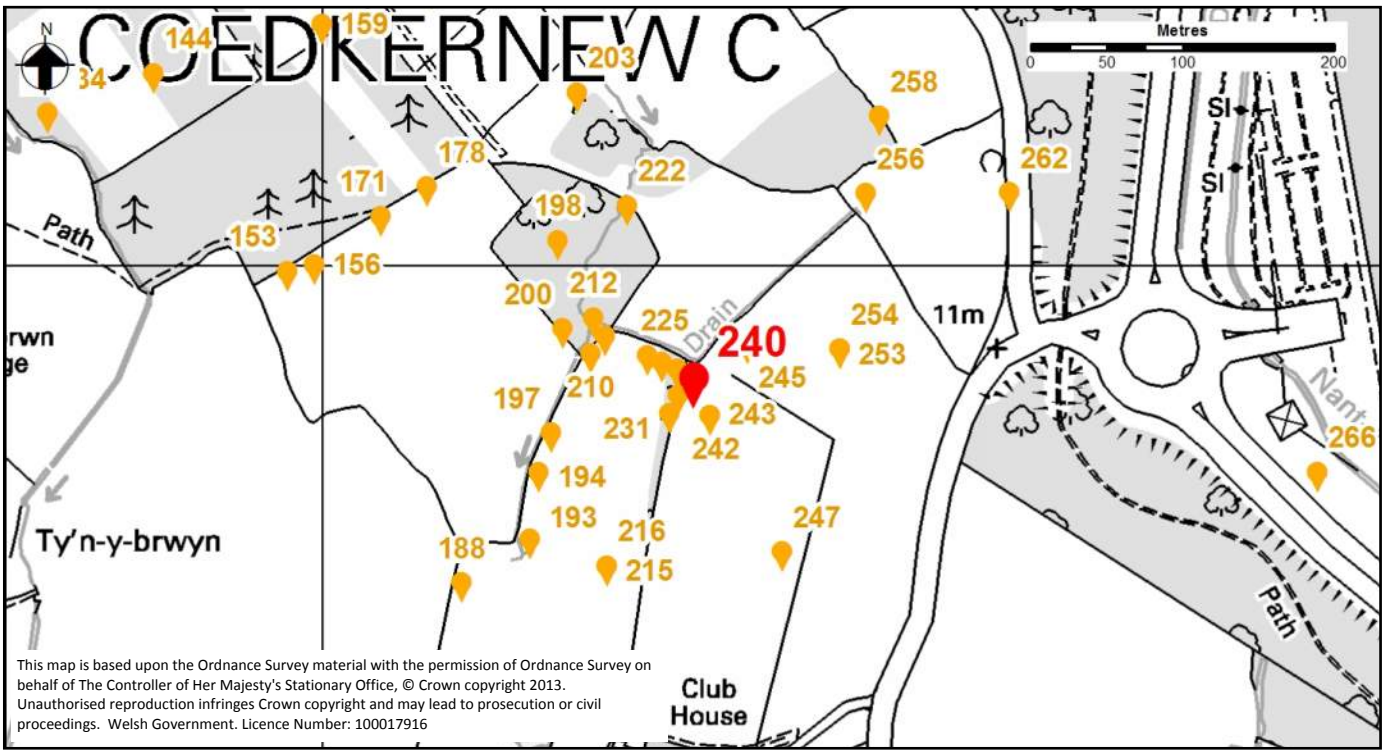

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	241	Date:	29-08-2014	GPS:	51.54, -3.05

Dominant Habitats:

Mixed deciduous woodland

Potential for Protected Species:

Reptiles

Target Note:

Brash pile, potential refugia

Target Note Location Map:

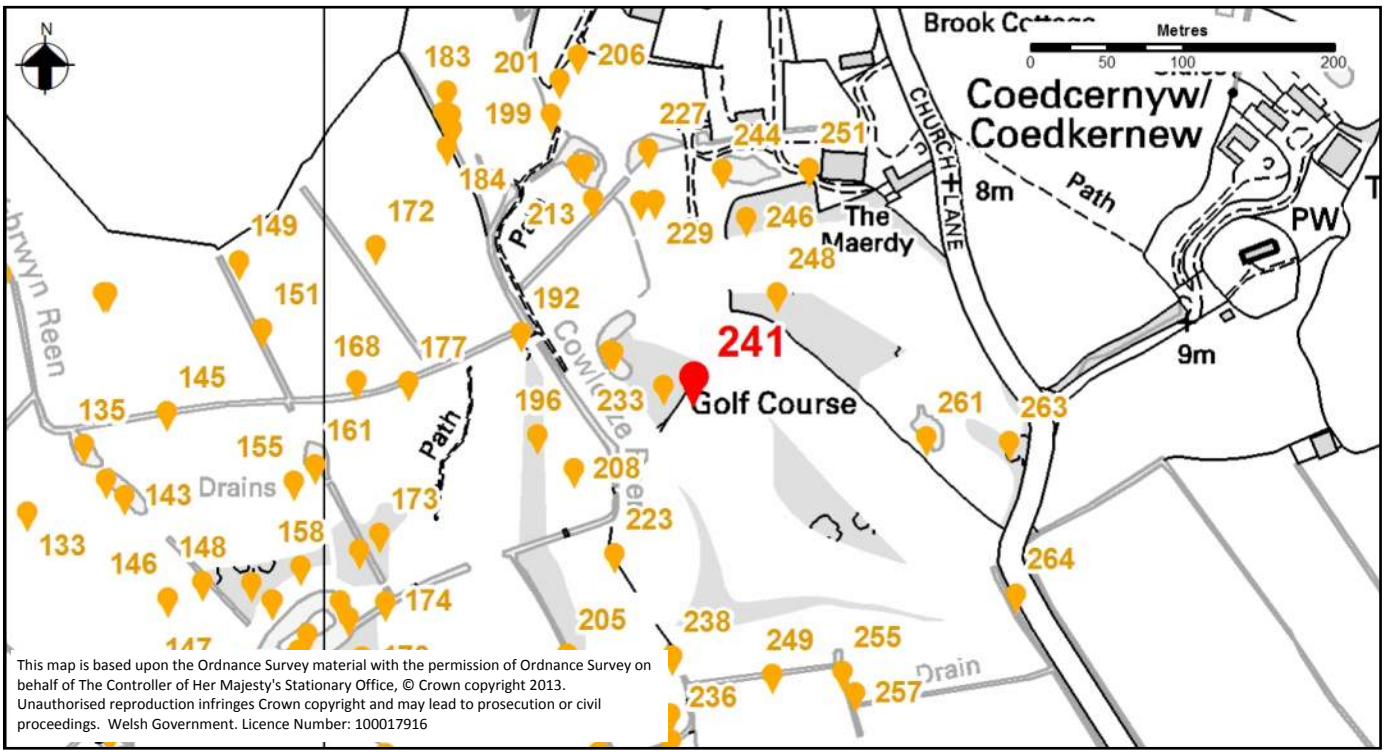

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	242	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Ribwort plantain, yarrow, cleavers, ragwort, spear thistle, knapweed, bramble, bush vetch

Potential for Protected Species:

Target Note Location Map:

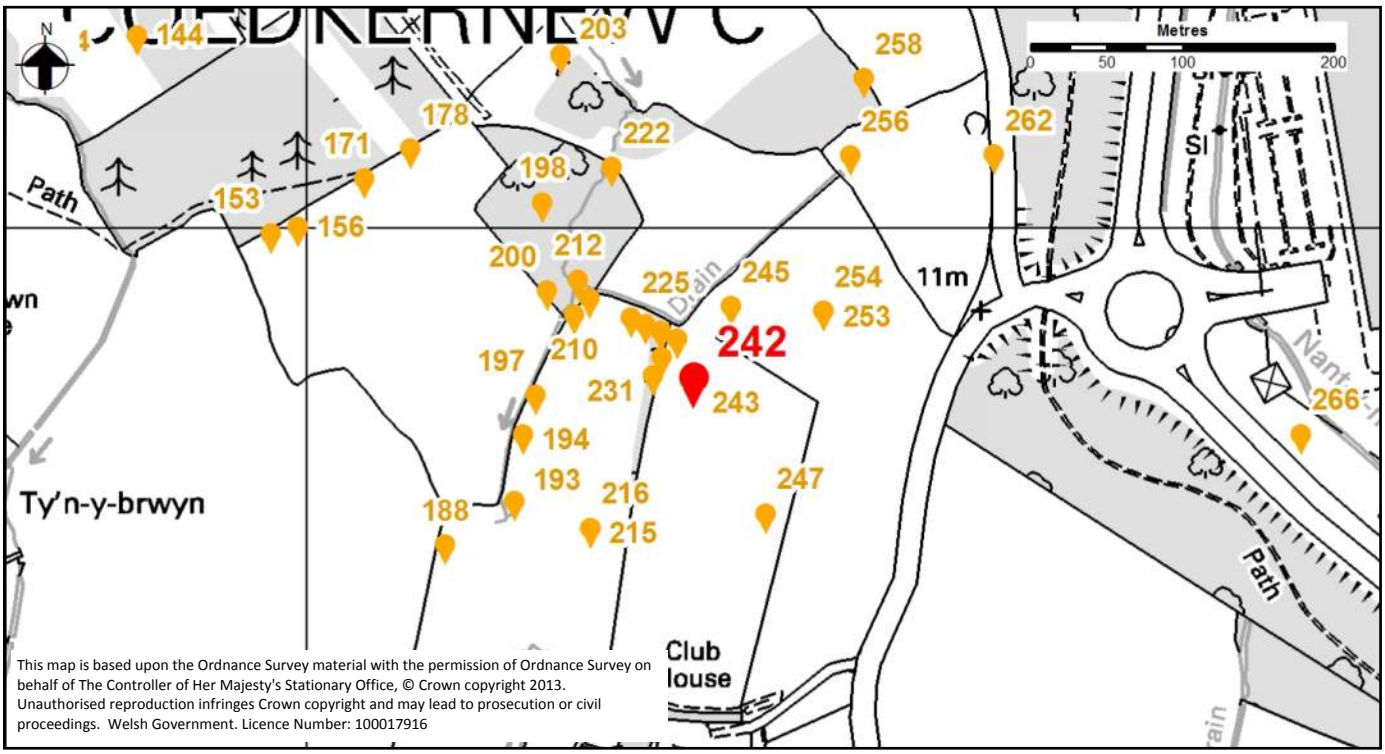

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	243	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Rib wort plantain, yarrow, cleavers, ragwort, spear thistle, knapweed, bramble, bush vetch

Potential for Protected Species:

Target Note Location Map:

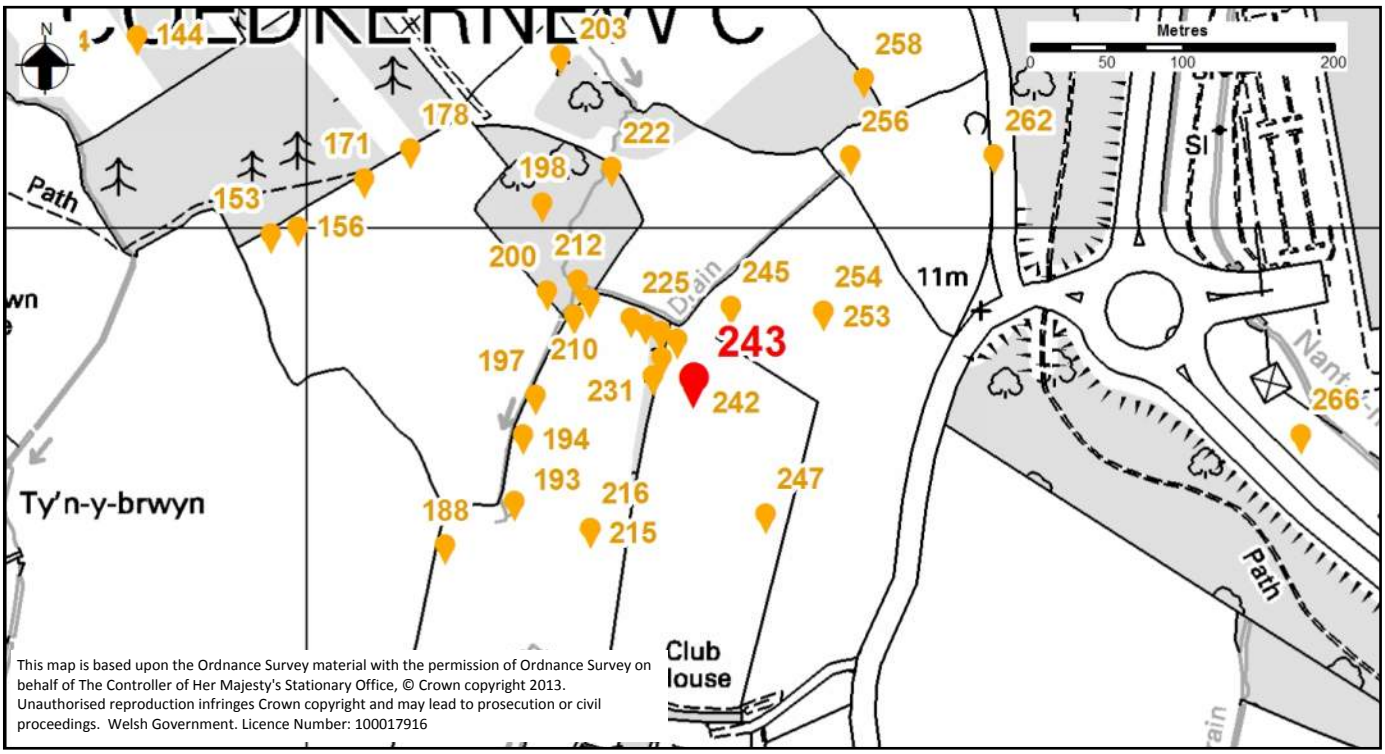

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	244	Date:	15-09-2014 14:53	GPS:	51.55, -3.05

Dominant Habitats:

Lake/park/garden

Potential for Protected Species:

Invertebrates

Target Note:

An abundance of dragonflies

Target Note Location Map:

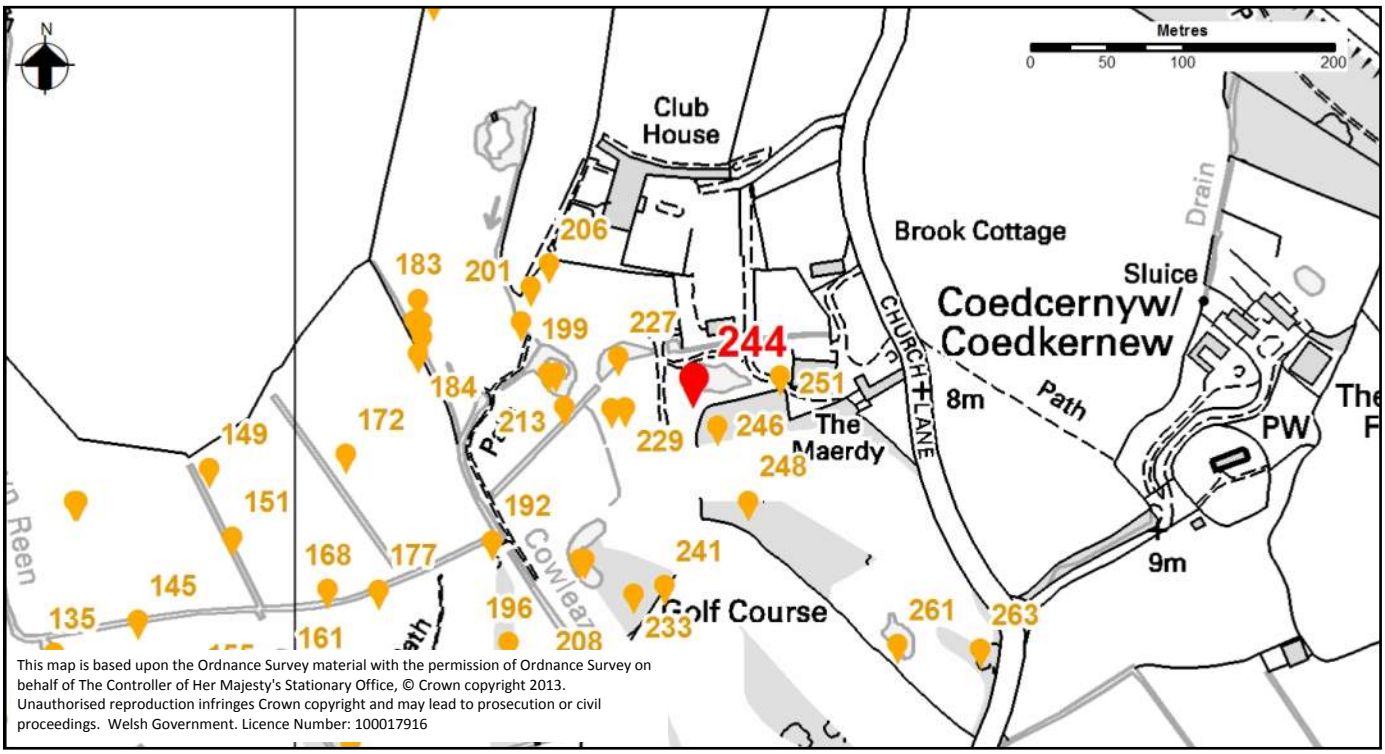

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	245	Date:	23-07-2014	GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland, treeline and scrub

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

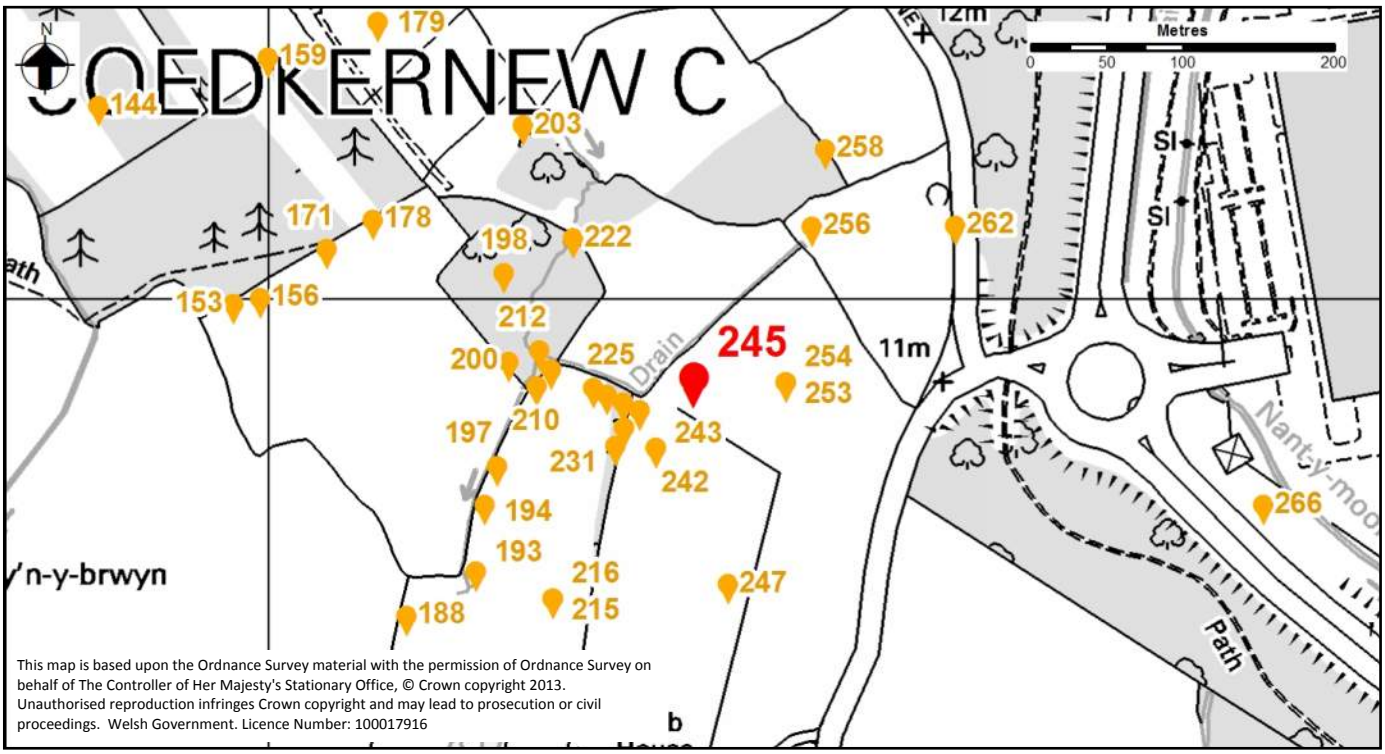

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	246	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Sycamore, cherry, birch, alder, ash, oak, box, holly

Potential for Protected Species:

Target Note Location Map:

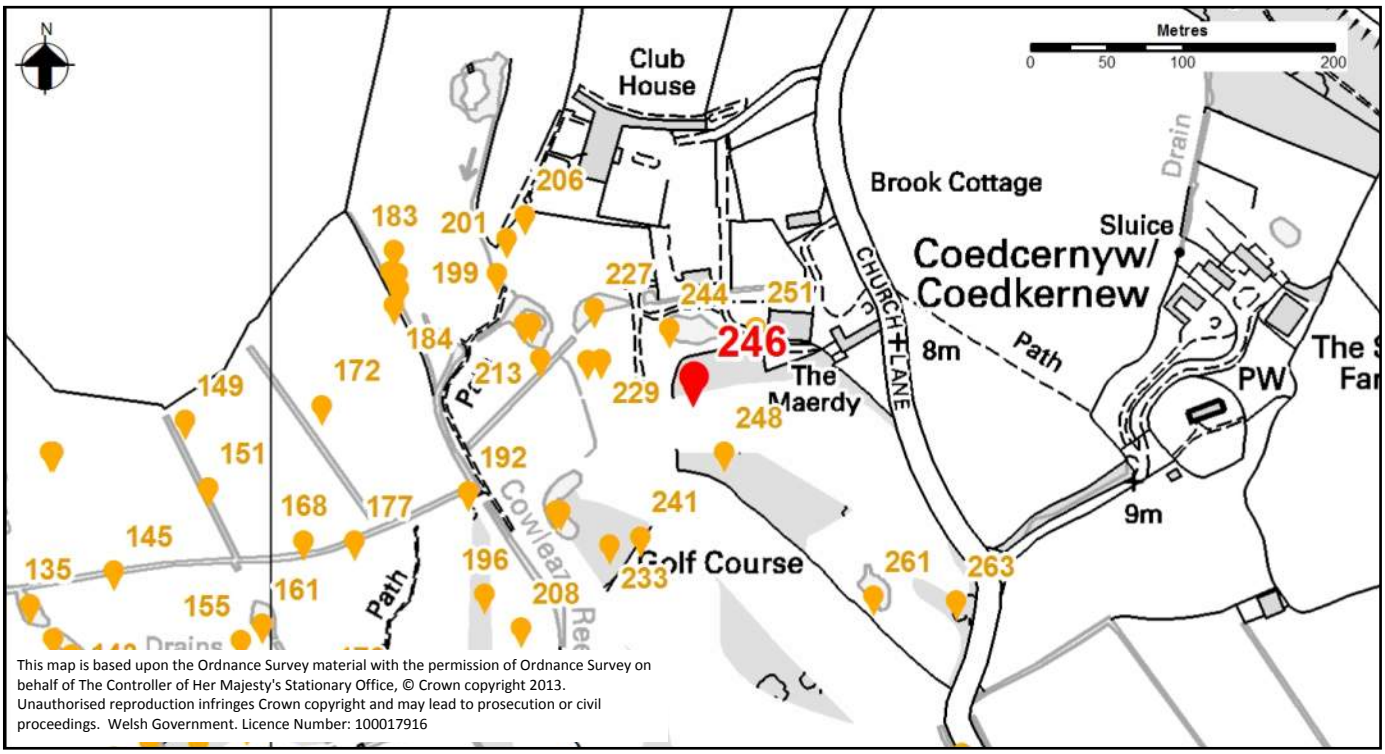

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	247	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Amenity grassland

Target Note:

Closely mown driving range. Species present: Yorkshire Fog, white clover, yarrow, ribwort plantain, pineapple weed, daisy, buttercup, self heal. Some small scattered trees in northern corner.

Small unmowed fi, yarrow, cleavers, ragwort

Potential for Protected Species:

Target Note Location Map:

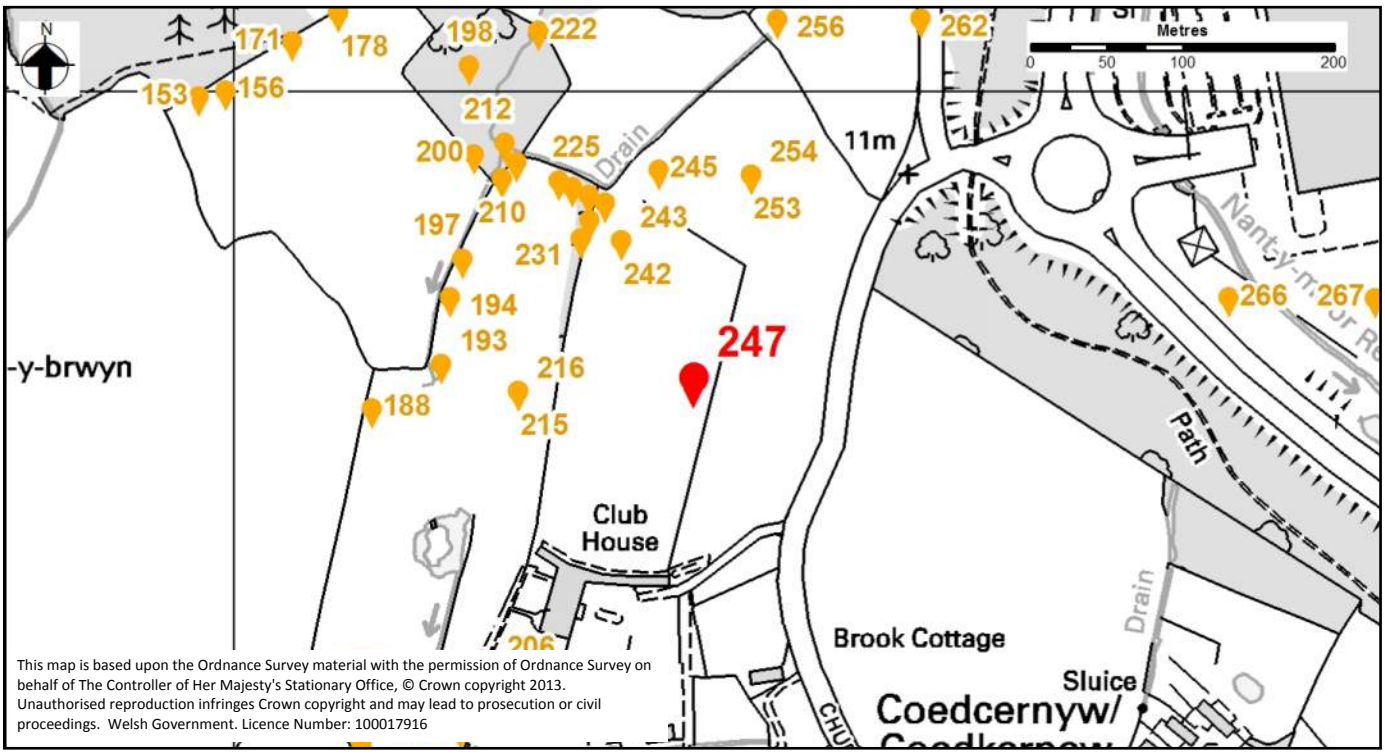

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	248	Date:	29-08-2014	GPS:	51.55, -3.05

Dominant Habitats:

Semi-natural broadleaved wodland

Potential for Protected Species:

Nesting birds

Target Note:

Bird nest with possible badger hair as nest lining

Target Note Location Map:

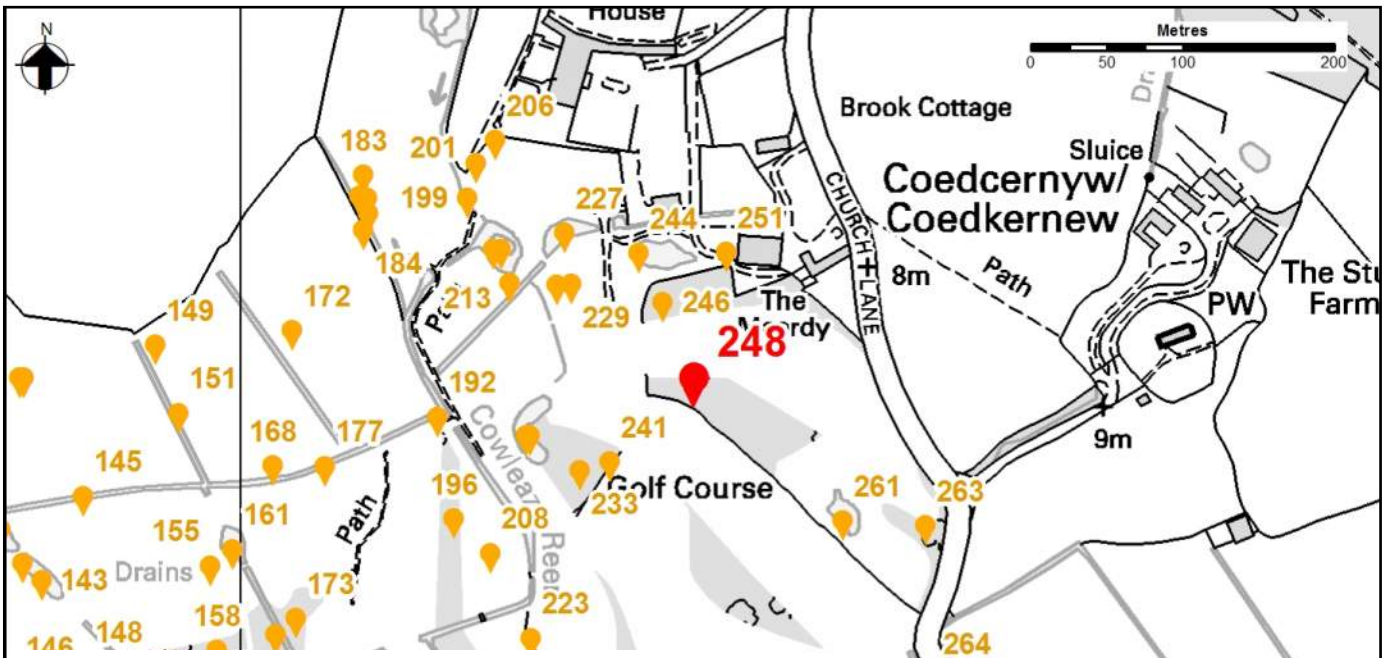

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	249	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed (dominant), purple loosestrife, yellow flag iris, hemlock water dropwort, yellow loosestrife

Potential for Protected Species:

Target Note Location Map:

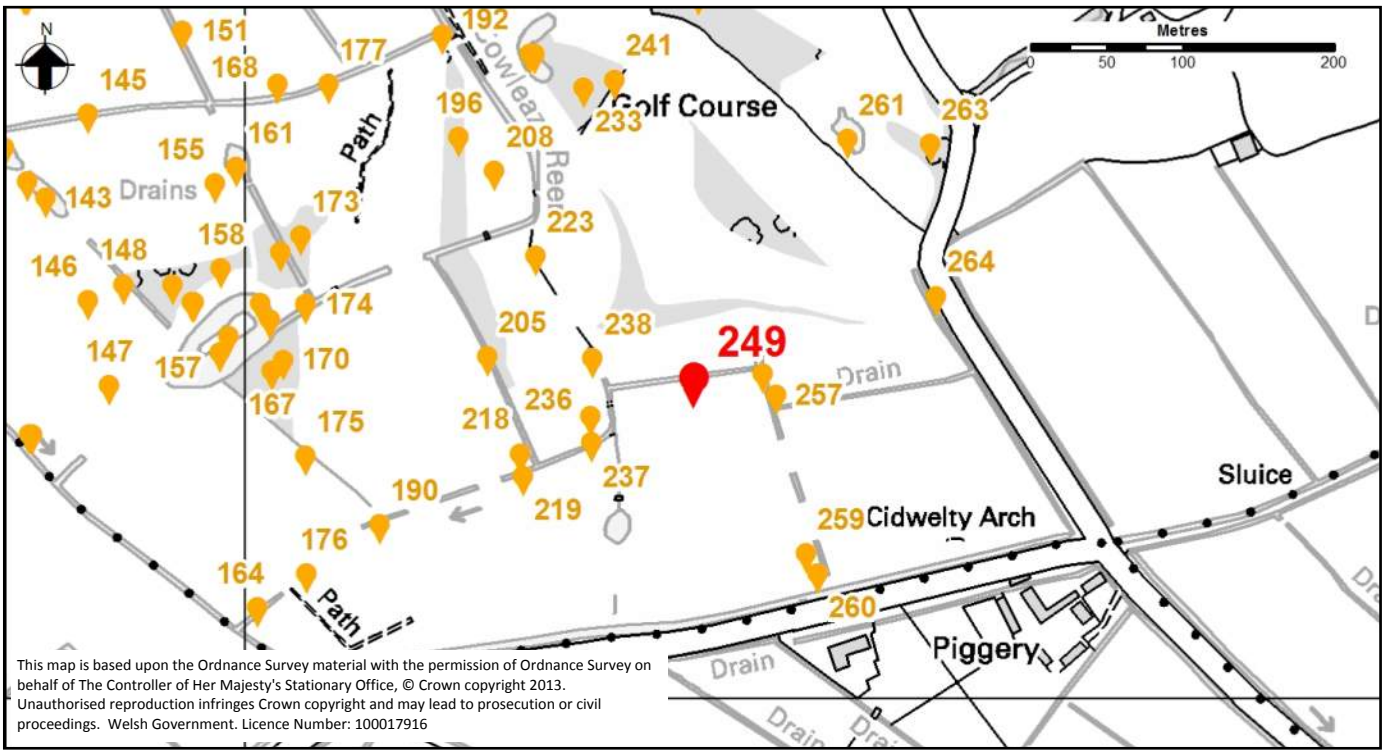

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	250	Date:	04-04-2014 11:27	GPS:	51.55, -3.05

Dominant Habitats:

Hedgerow and rank grassland

Potential for Protected Species:

Fox potential

Target Note:

Potential fox pathway

Target Note Location Map:

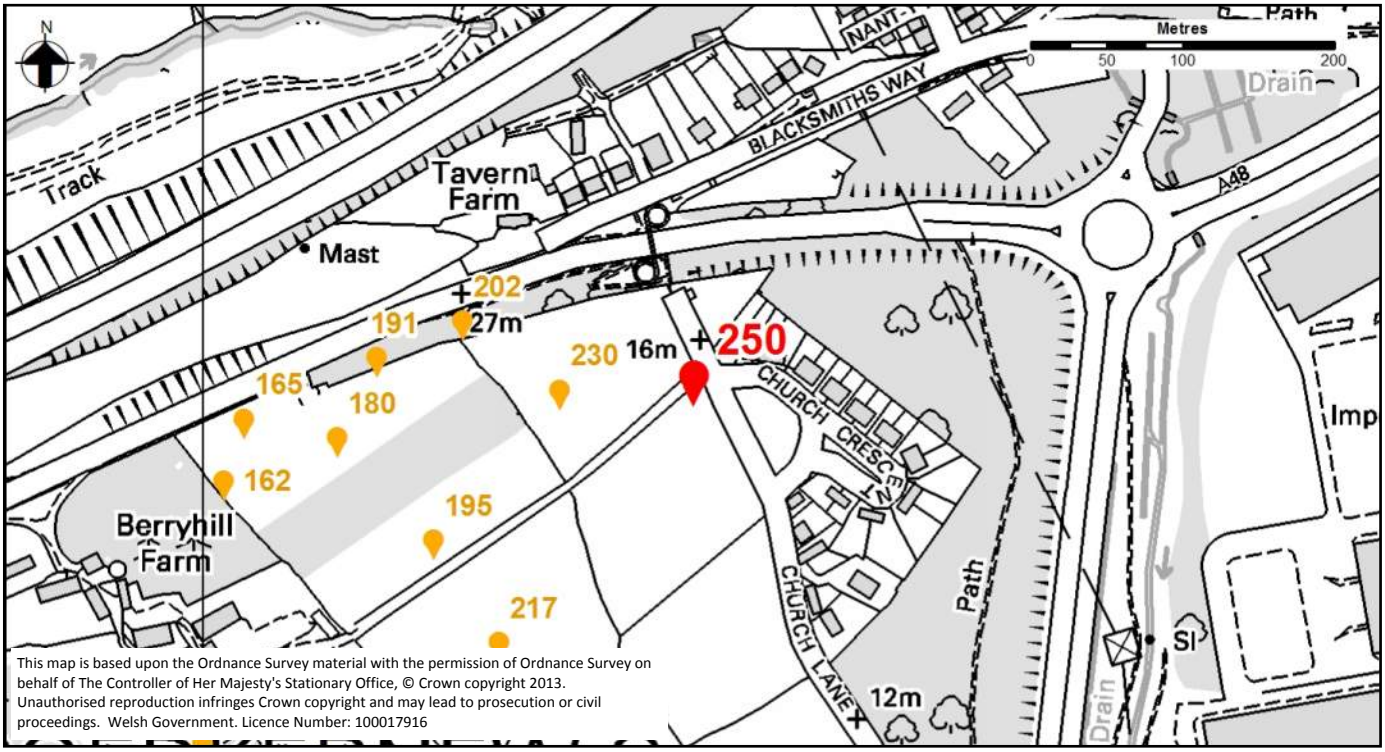

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	251	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Maple, alder, sycamore, ash, lime, hawthorn, conifer, whitebeam, silver birch, white poplar

Potential for Protected Species:

Target Note Location Map:

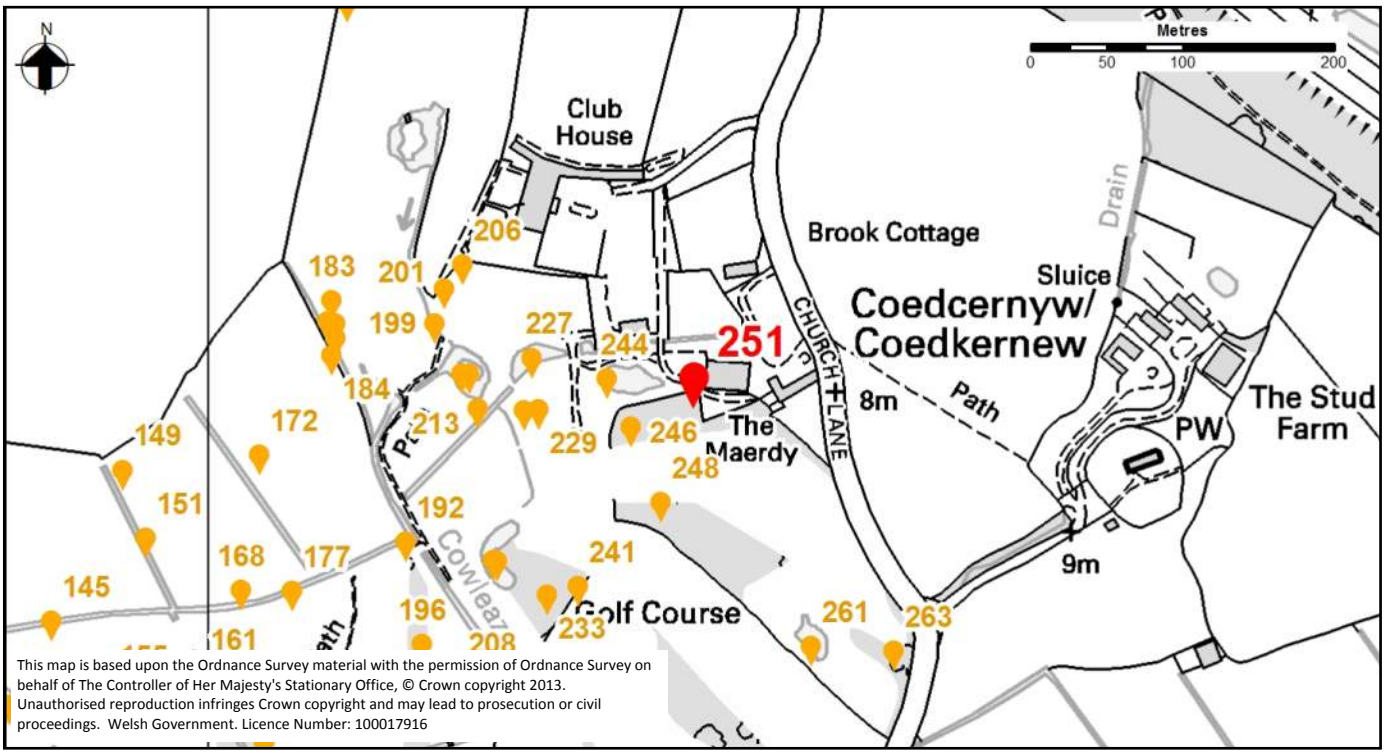

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	253	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Willow, alder, oak

Potential for Protected Species:

Target Note Location Map:

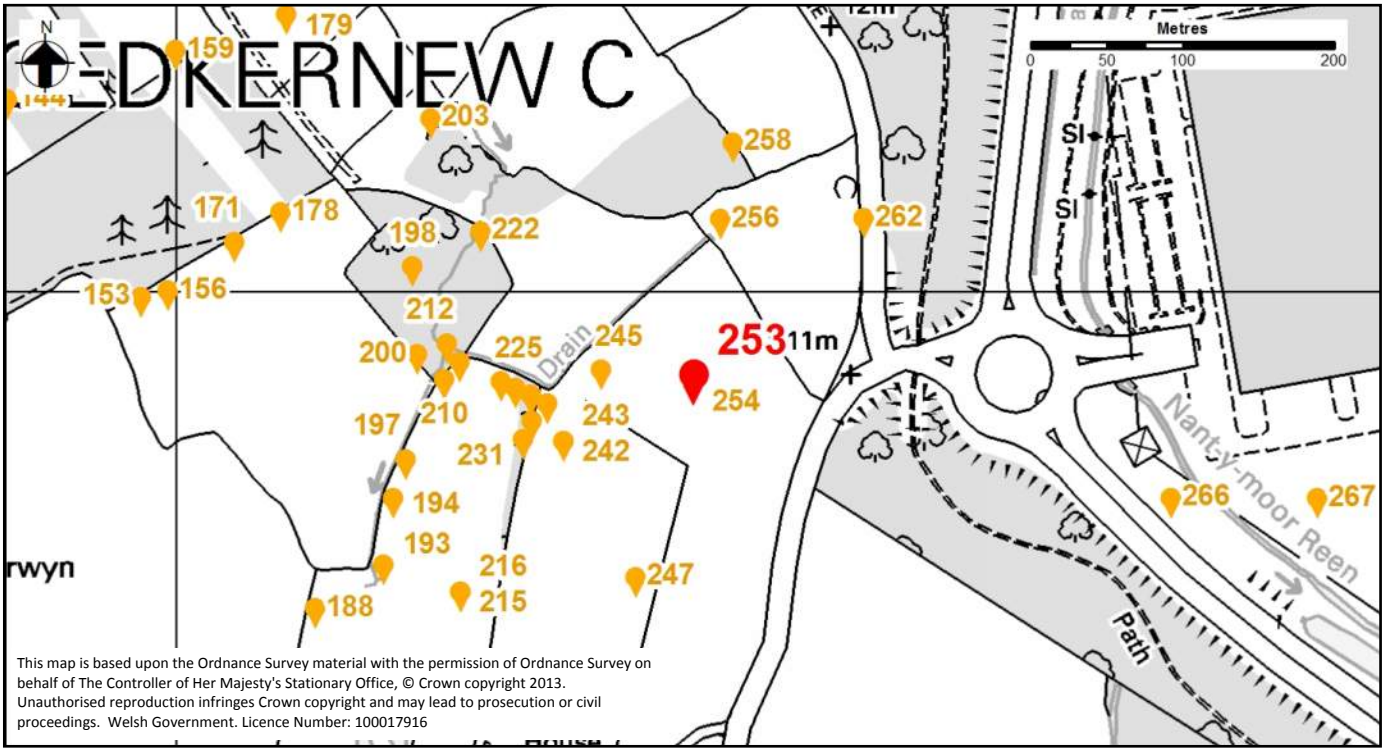

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	254	Date:		GPS:	51.55, -3.05

Dominant Habitats:

Target Note:

Willow, alder, oak

Potential for Protected Species:

Target Note Location Map:

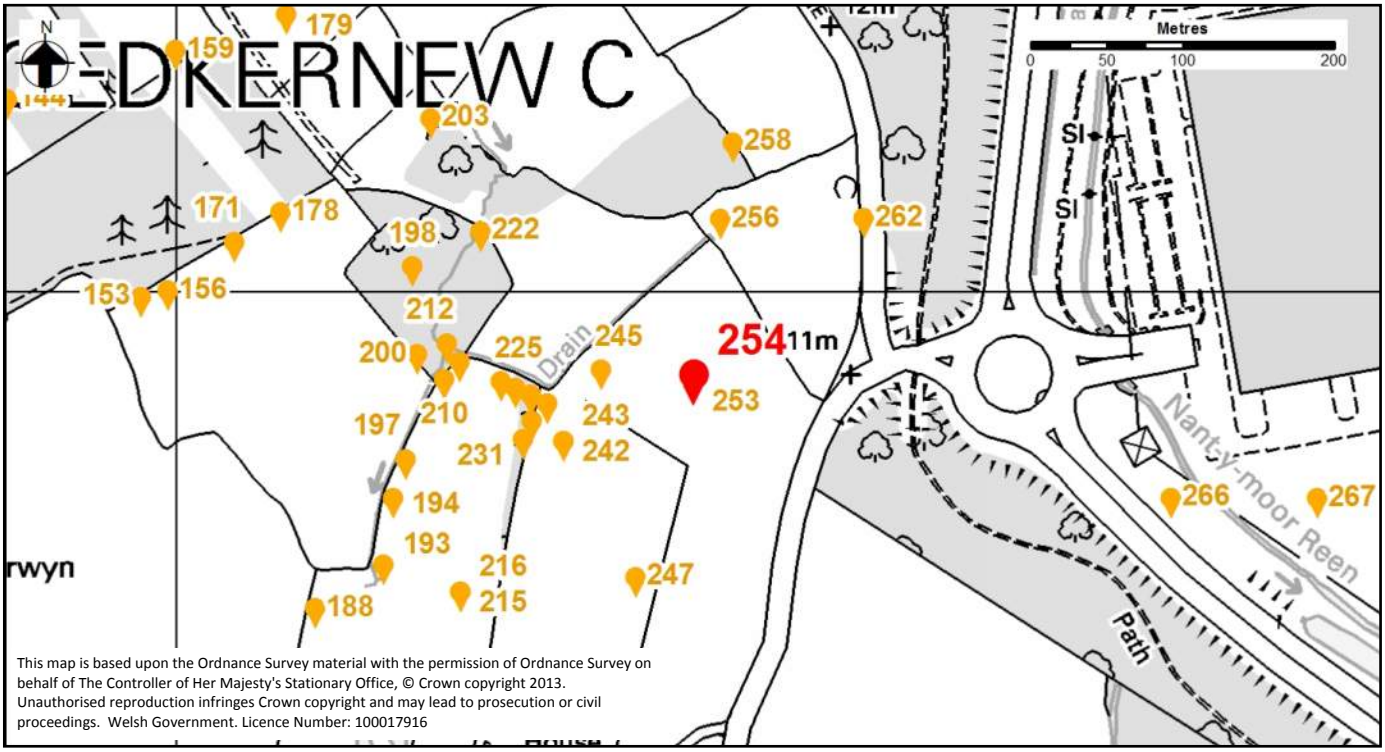

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	255	Date:	01-10-2014 14:05	GPS:	51.54, -3.05

Dominant Habitats:

Ditch, park/garden

Target Note:

Frog observed

Potential for Protected Species:

Target Note Location Map:

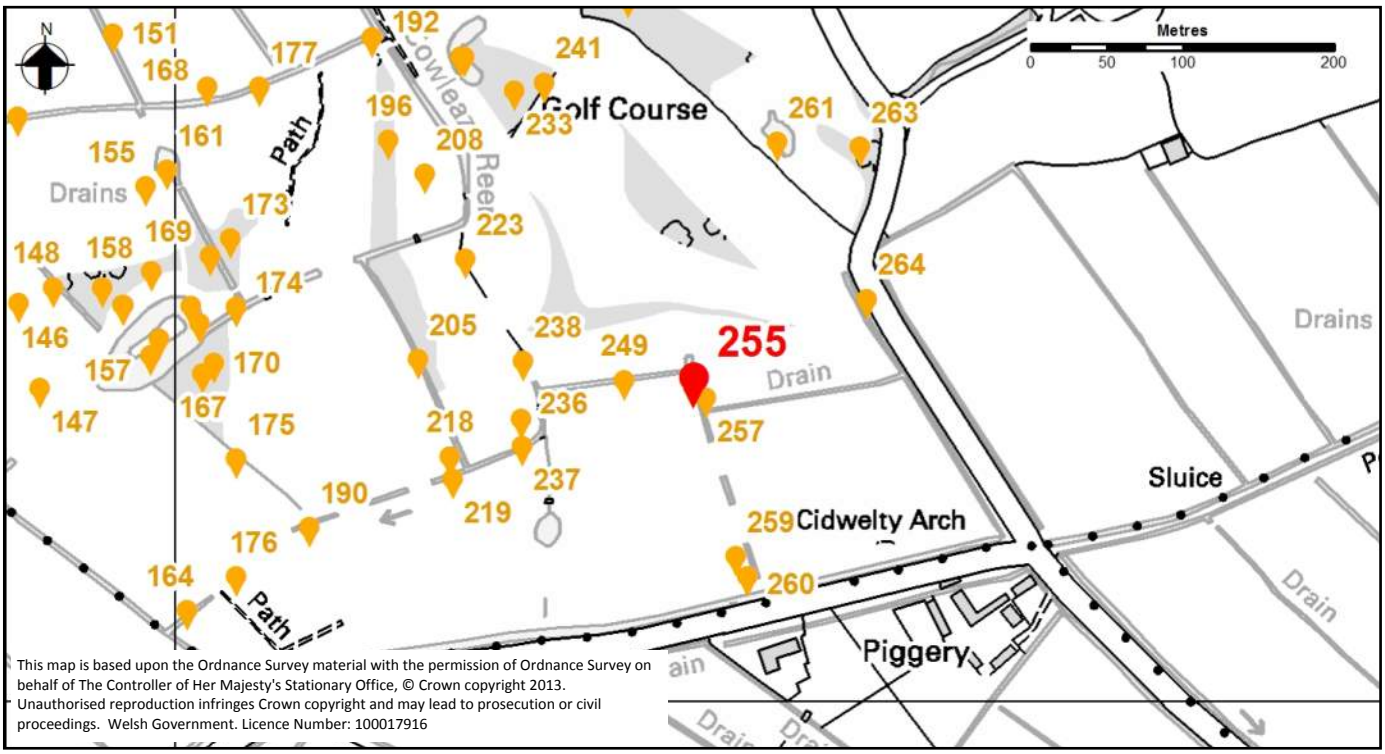

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	256	Date:	23-04-2014 12:13	GPS:	51.55, -3.05

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

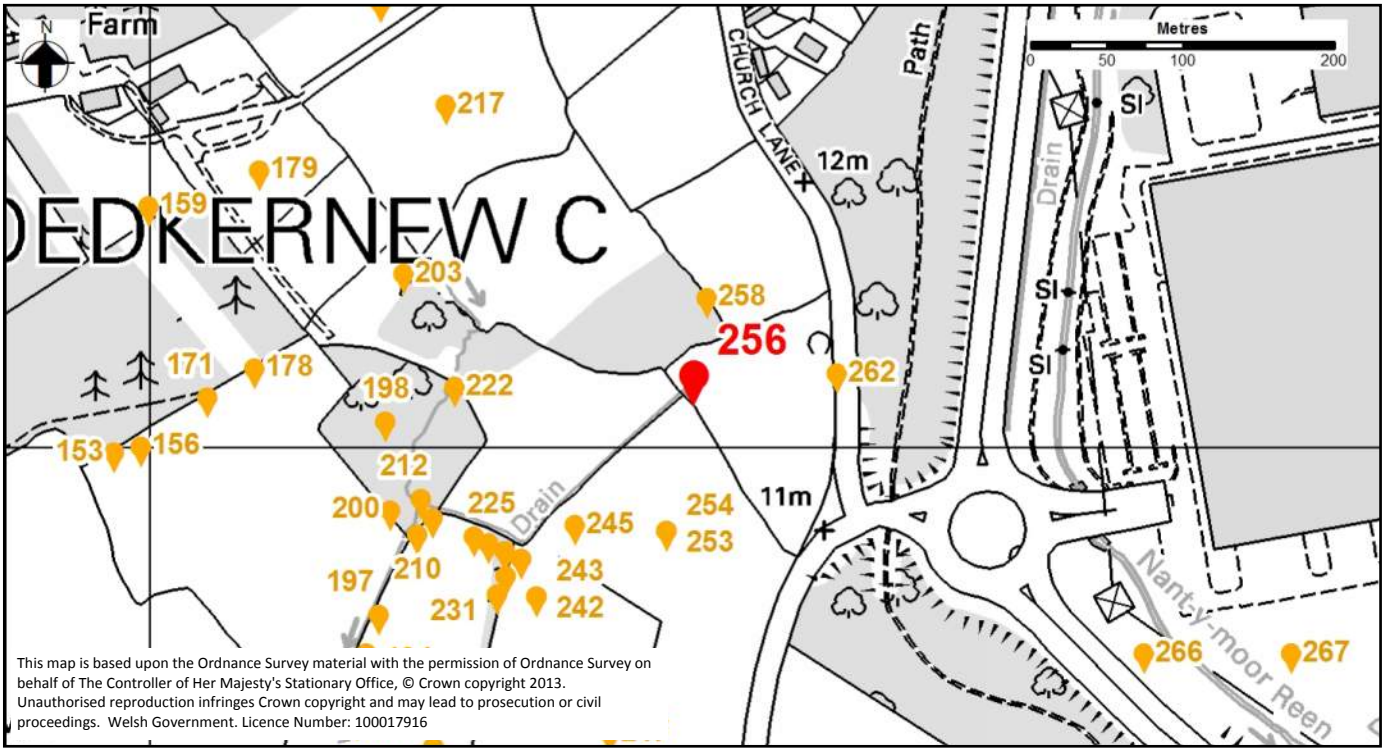

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	257	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Common reed (dominant), dock sp., meadow foxtail, meadow sweet, watermint, nettle, yellow loosestrife

Potential for Protected Species:

Target Note Location Map:

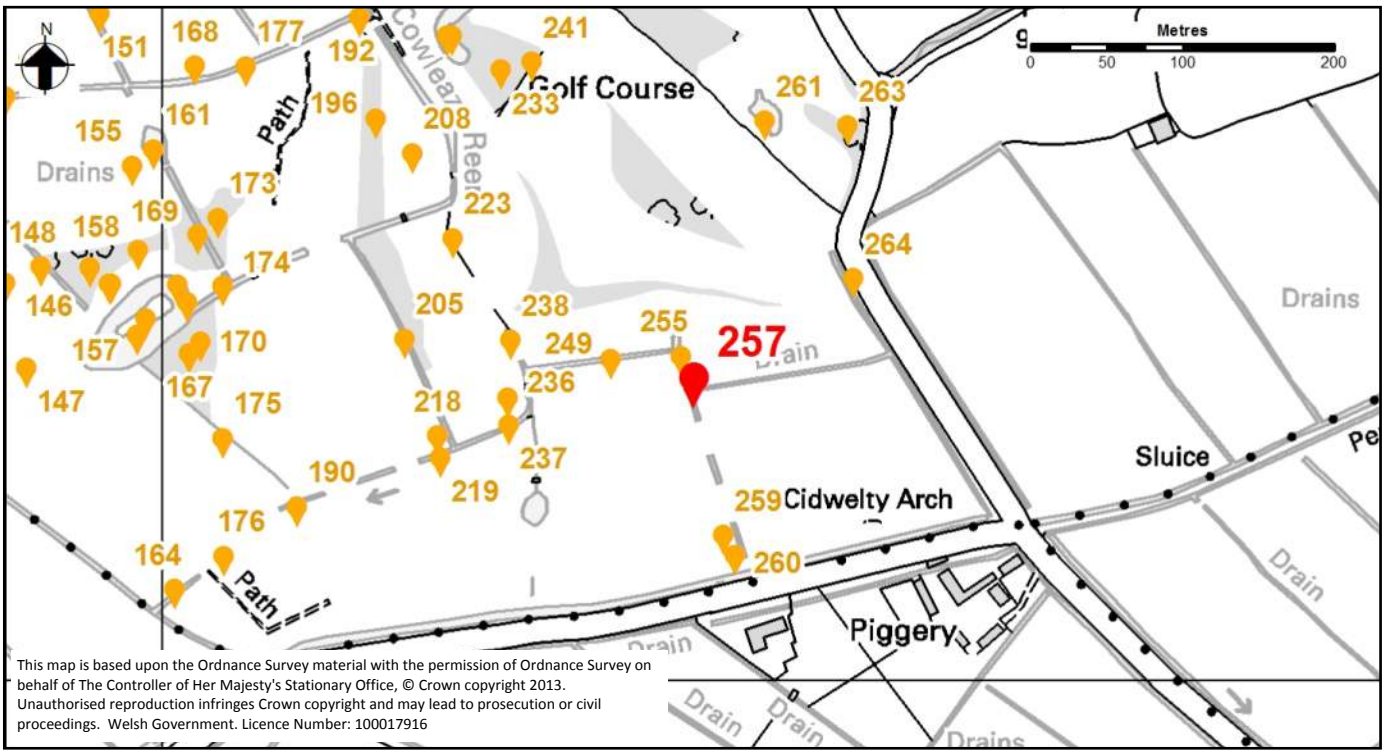

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	258	Date:	23-04-2014 12:20	GPS:	51.55, -3.05

Dominant Habitats:

Tall ruderal / scrub

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

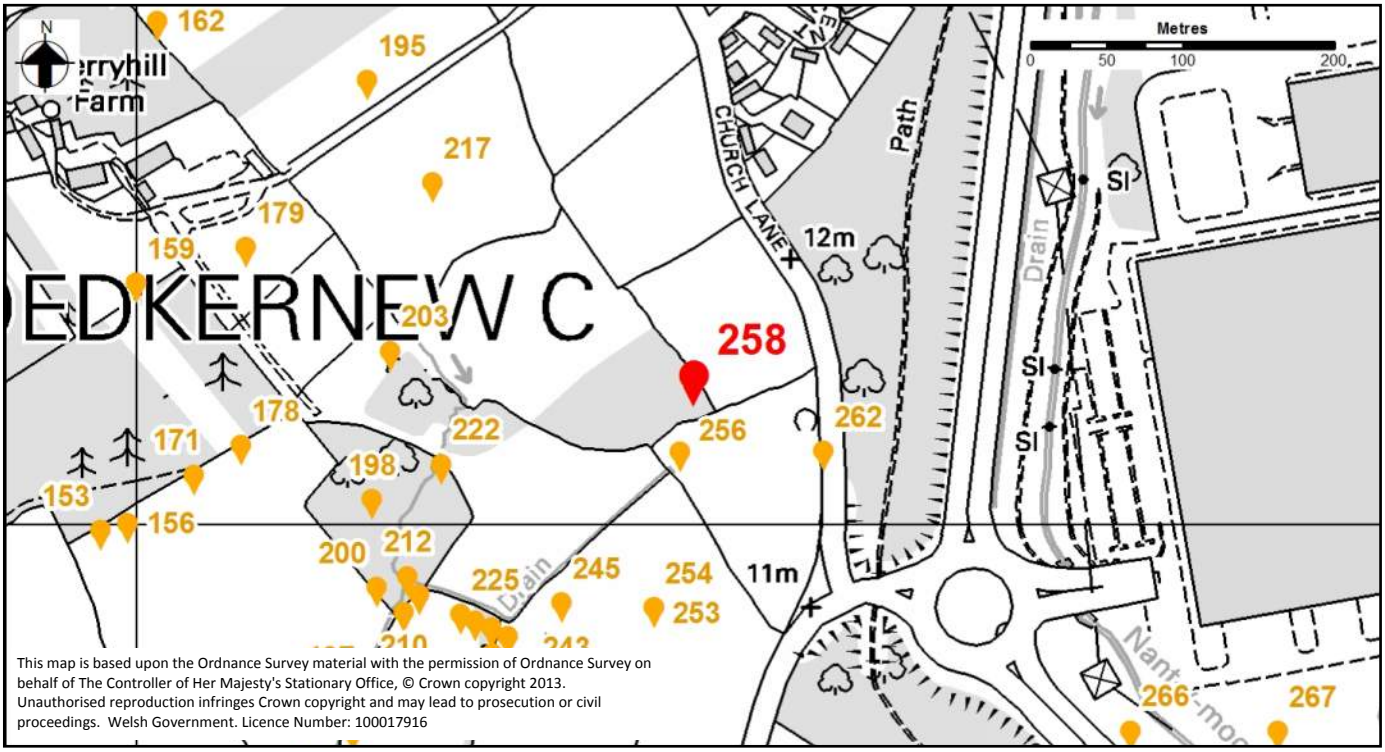

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	259	Date:	01-10-2014 13:46	GPS:	51.54, -3.05

Dominant Habitats:

Ditch, park/garden

Target Note:

Bird's nest fungus

Potential for Protected Species:

Target Note Location Map:

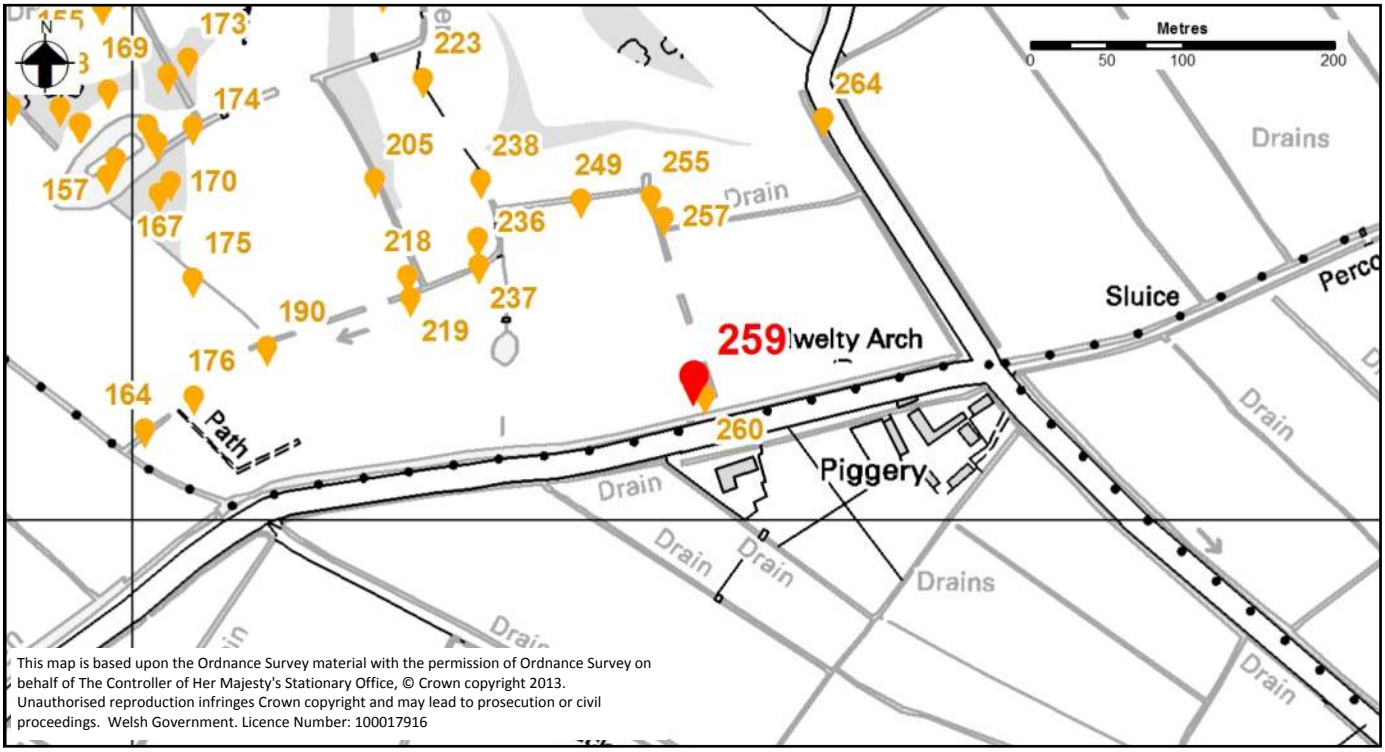

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	260	Date:	01-10-2014	GPS:	51.54, -3.05

Dominant Habitats:

Common reed, nettles, scrub

Target Note:

Birds nest fungus, 7 fruiting bodies

Potential for Protected Species:

Target Note Location Map:

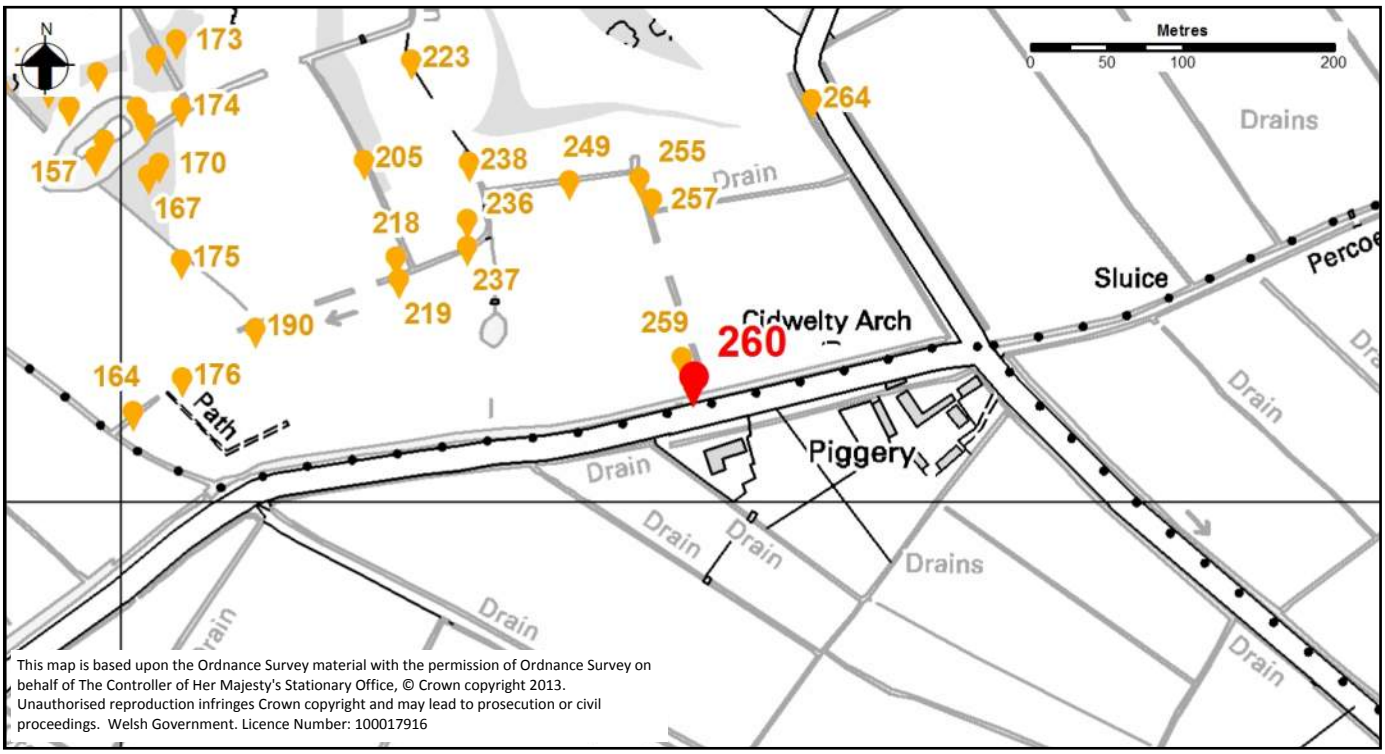

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	261	Date:	01-10-2014 12:03	GPS:	51.54, -3.05

Dominant Habitats:

Pond

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note:

Dense New Zealand pygmy weed covers whole pond

Target Note Location Map:

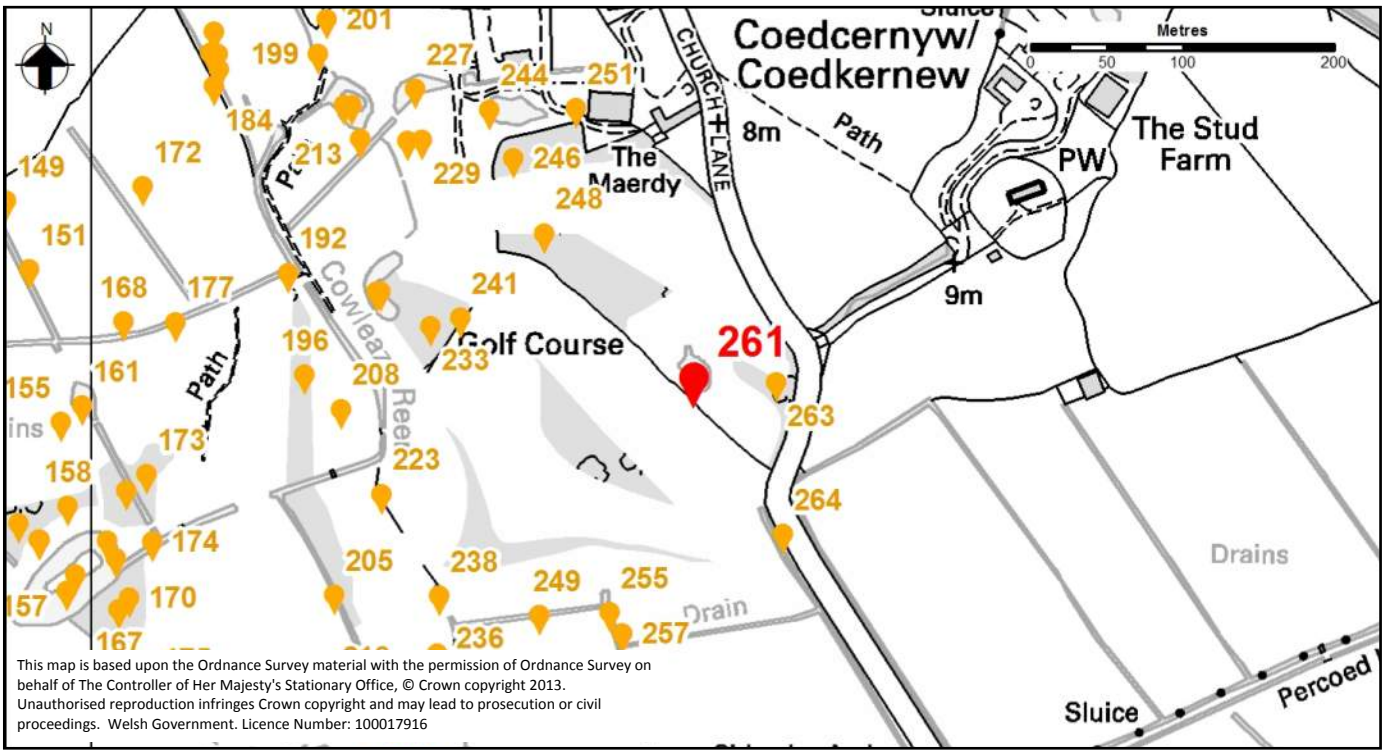

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	262	Date:	04-04-2014 10:58	GPS:	51.55, -3.05

Dominant Habitats:

Scrub

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

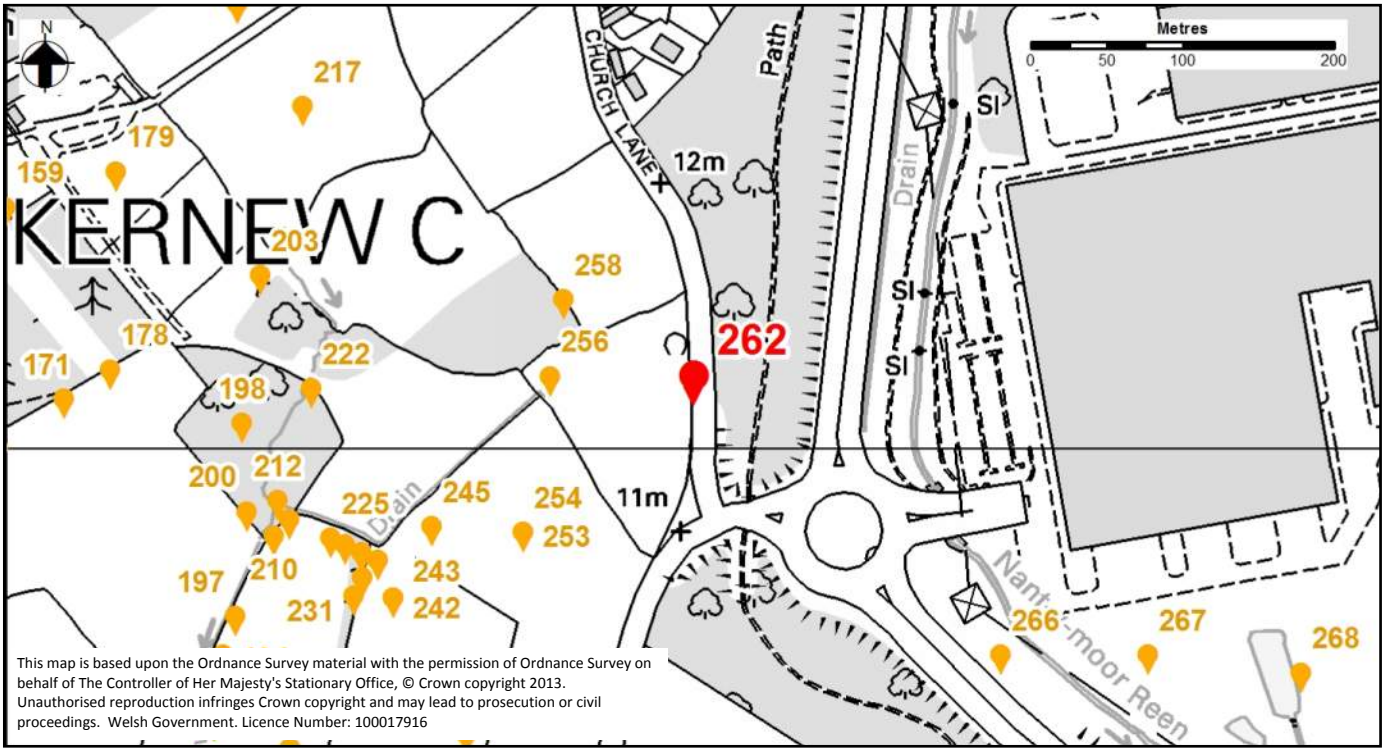

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	263	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Hornbeam, hawthorn, cherry, broad leaved lime, blackthorn, lime sp., ash, willow sp., rose sp., sycamore, oak

Potential for Protected Species:

Target Note Location Map:

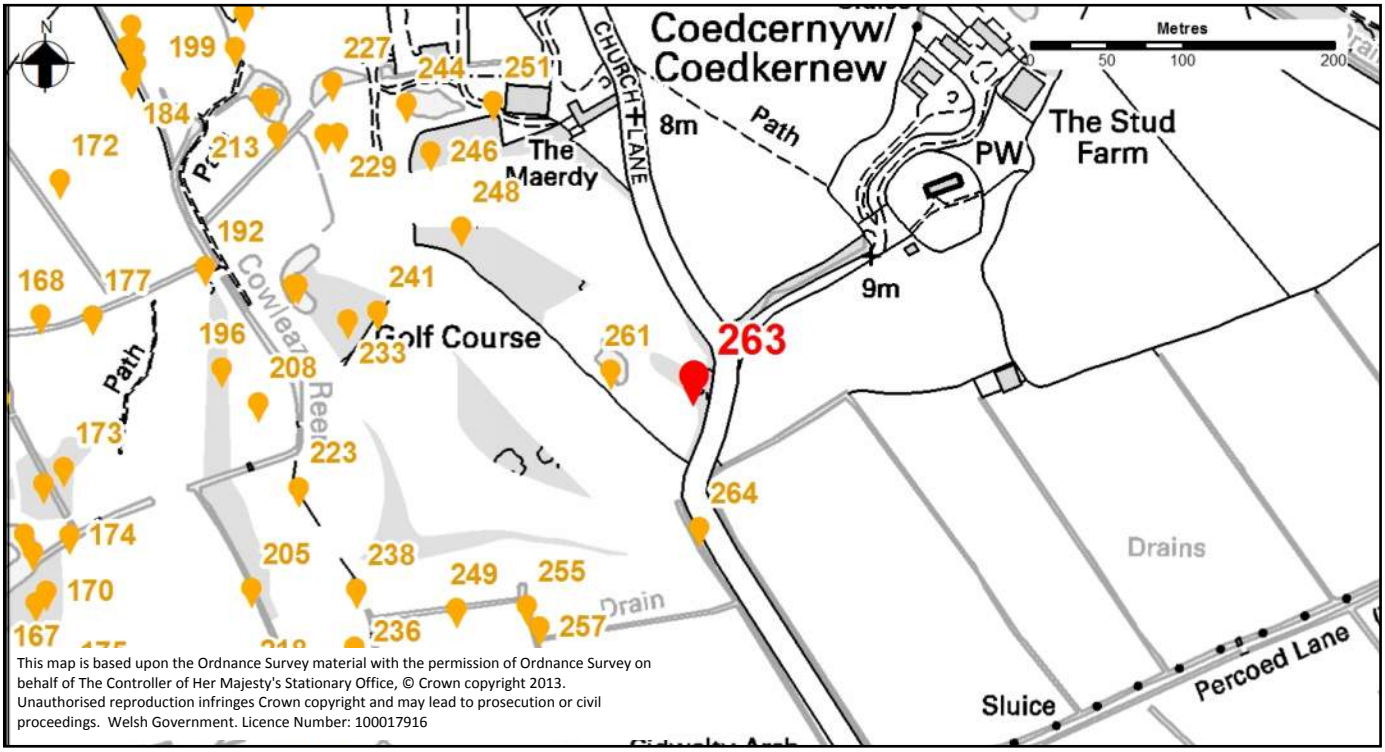

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	264	Date:		GPS:	51.54, -3.05

Dominant Habitats:

Target Note:

Fern sp., common reed, ivy, hart's tongue, common nettle, bramble

Potential for Protected Species:

Target Note Location Map:

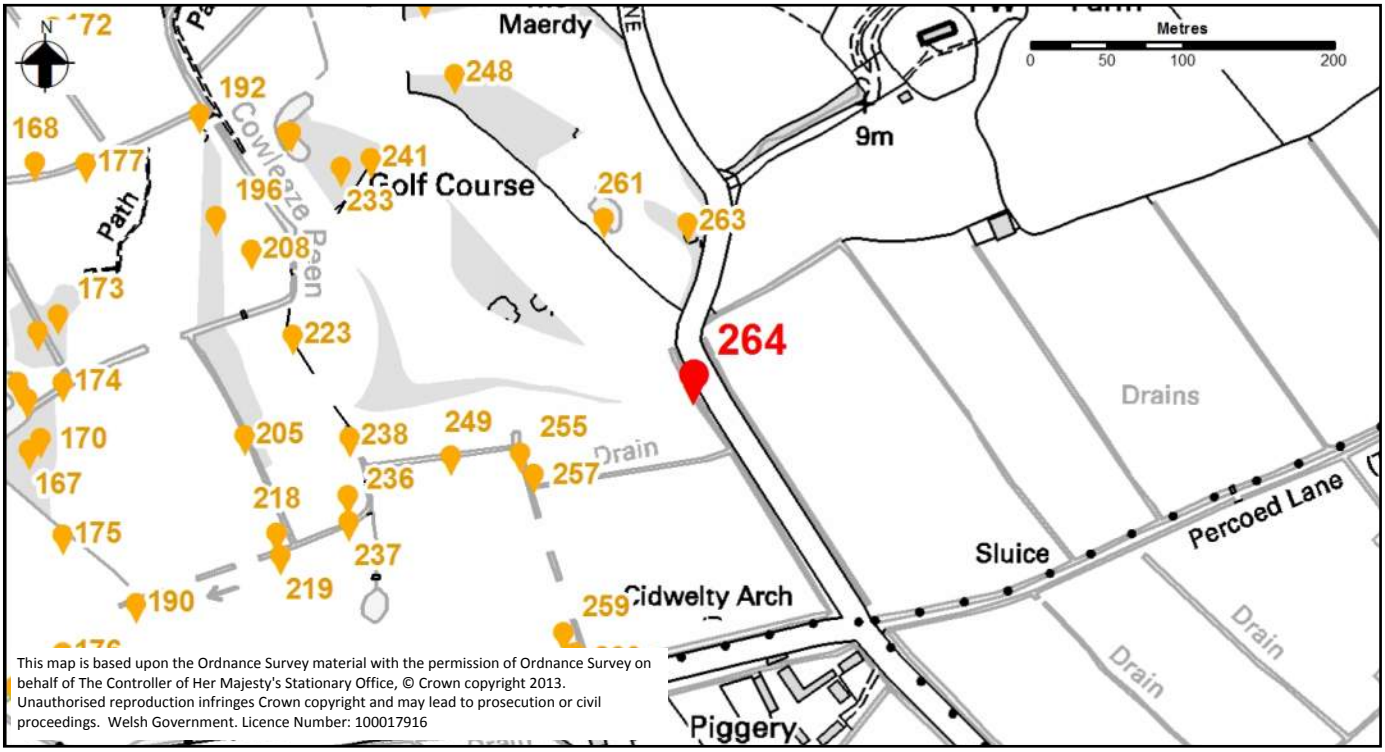

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	266	Date:	09-10-2014	GPS:	51.55, -3.04

Dominant Habitats:

Scrub, tall ruderal, grassland

Potential for Protected Species:

Reptiles

Target Note:

Diversity of floral structure, open areas of grassland with sections of tall ruderal and scrub. Nearby water course. In addition there are south-facing banks

Target Note Location Map:

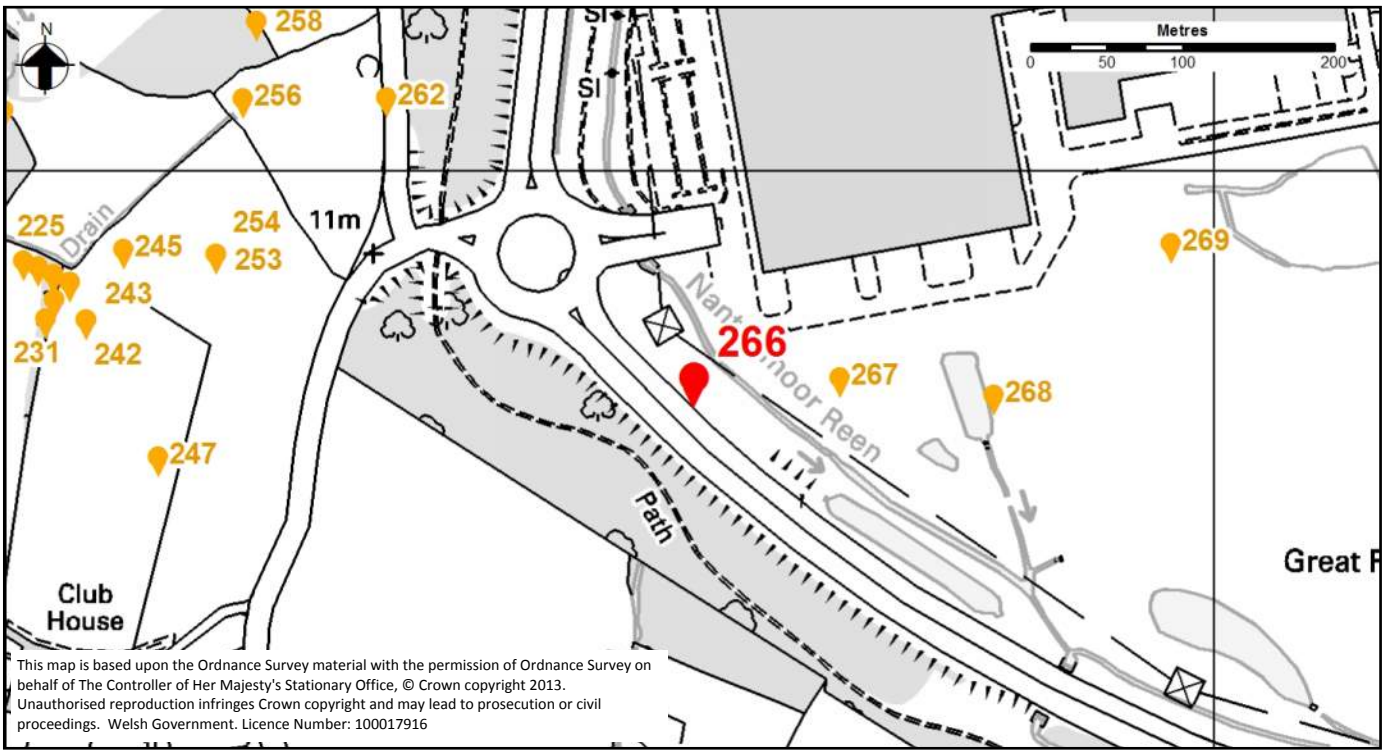

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	267	Date:	20-10-2014	GPS:	51.55, -3.04

Dominant Habitats:

Pond / scrub

Potential for Protected Species:

Grass snake

Target Note:

Adult female grass snake

Target Note Location Map:

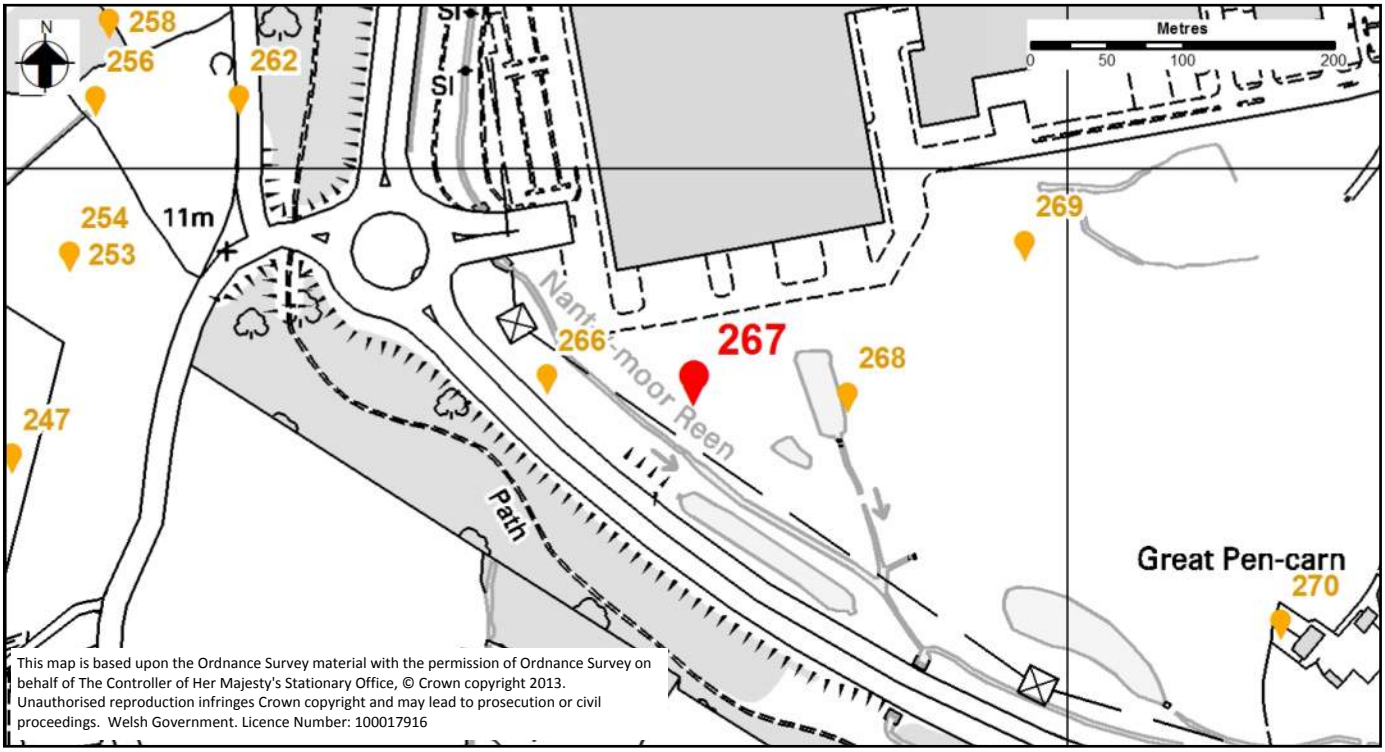

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	268	Date:	20-10-2014	GPS:	51.55, -3.04

Dominant Habitats:

Pond scrub

Target Note:

Cormorant, grey heron

Potential for Protected Species:

Breeding birds

Target Note Location Map:

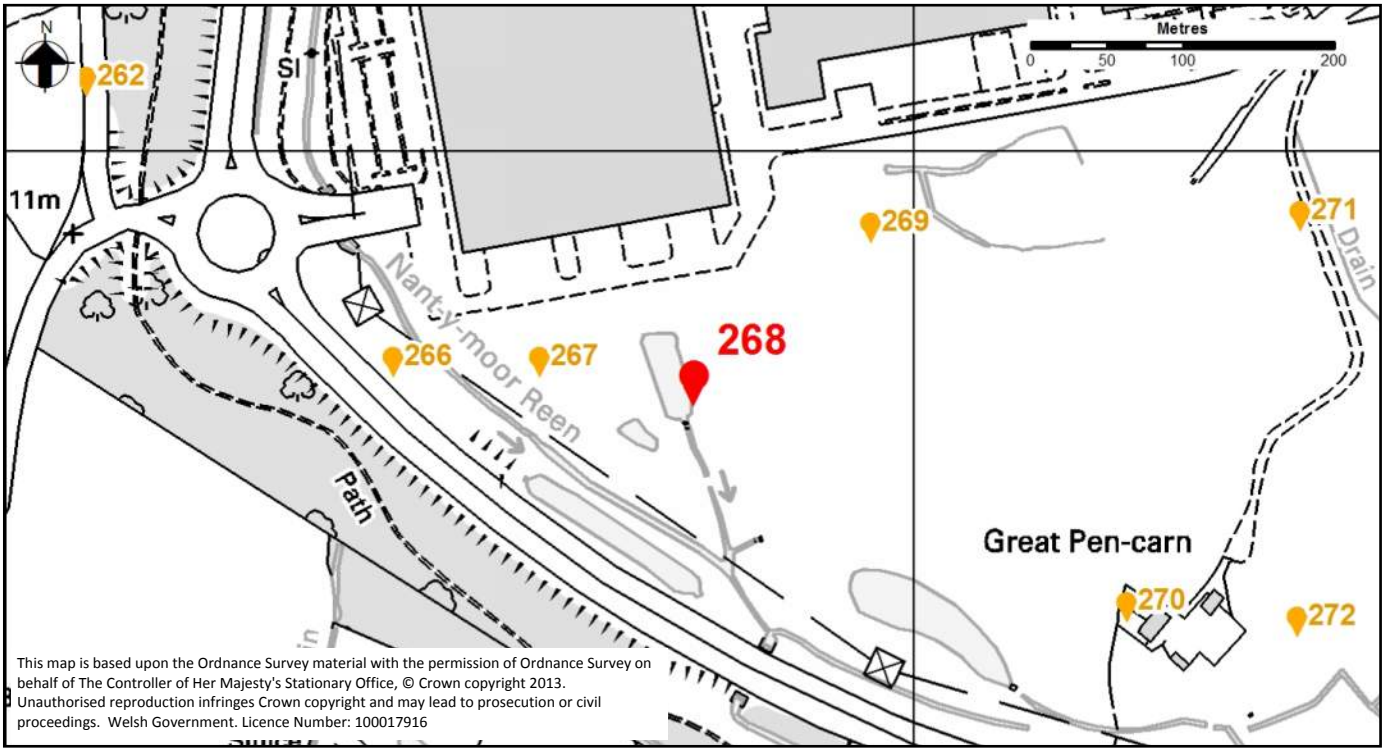

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	269	Date:	19-09-2014	GPS:	51.55, -3.04

Dominant Habitats:

Target Note:

Brown hare

Potential for Protected Species:

Brown hare

Target Note Location Map:

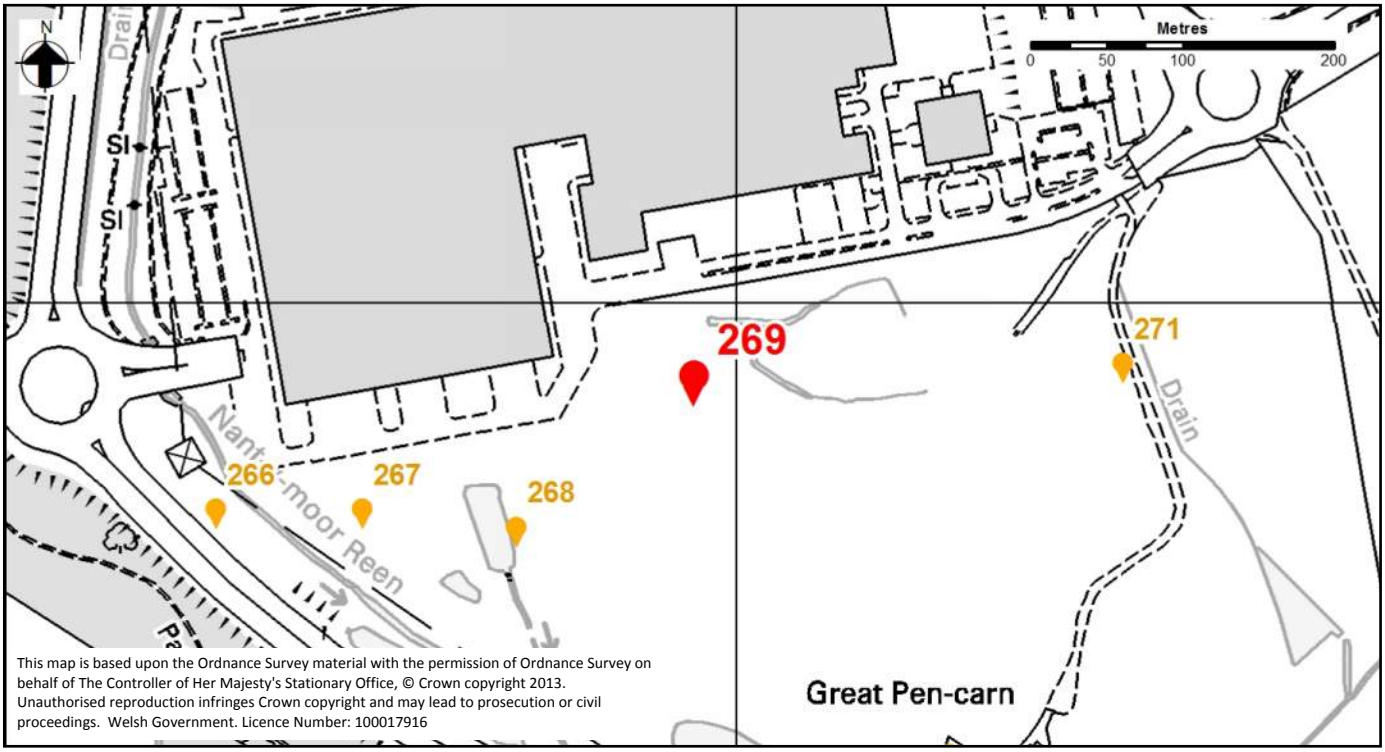

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	270	Date:	09-10-2014 15:02	GPS:	51.55, -3.04

Dominant Habitats:

Scrub/woodland

Target Note:

Mammal pathway into wooded and banked area

Potential for Protected Species:

Target Note Location Map:

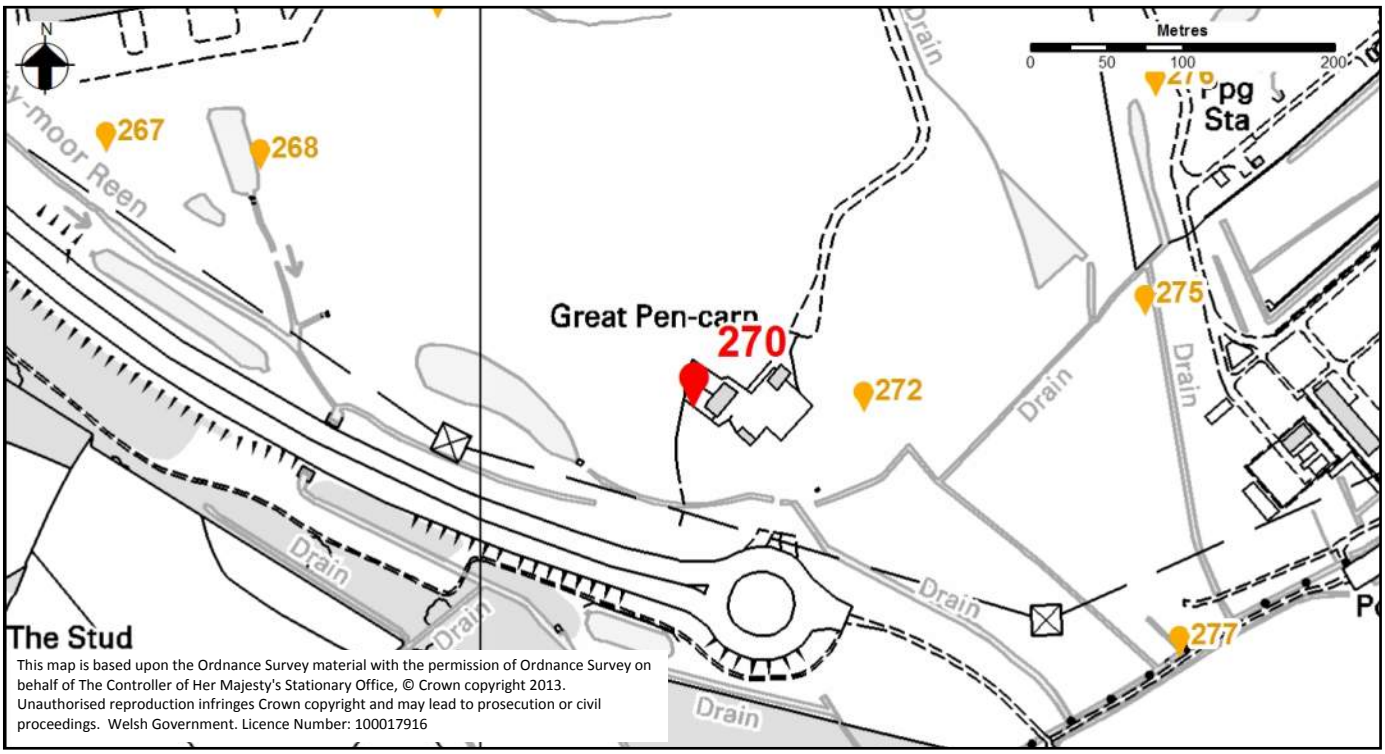

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	271	Date:	27-08-2014	GPS:	51.55, -3.04

Dominant Habitats:

Pond

Target Note:

Adult palmate newt.

Potential for Protected Species:

WCA 1981 palmate newt

Target Note Location Map:

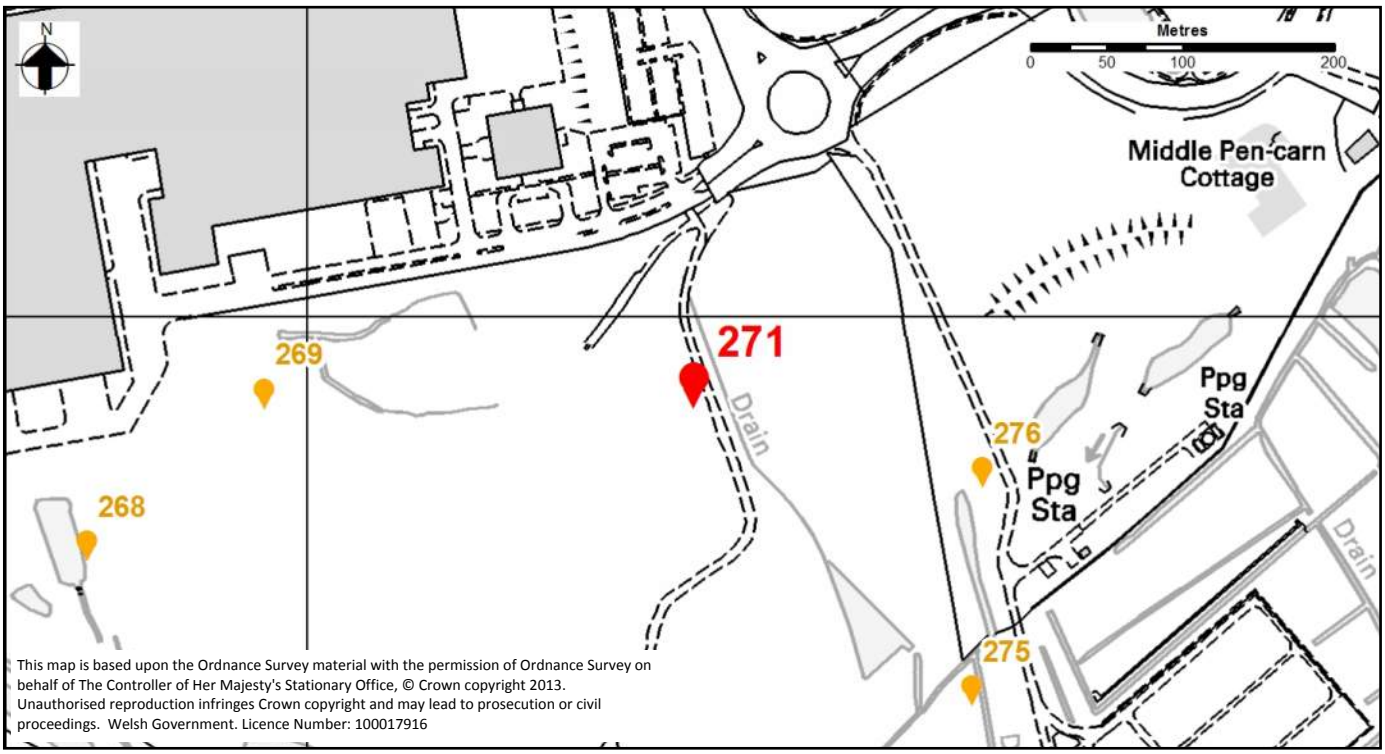

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	272	Date:	20-10-2014	GPS:	51.55, -3.04

Dominant Habitats:

Scrub

Target Note:

Smooth newt under wood

Potential for Protected Species:

Smooth newt

Target Note Location Map:

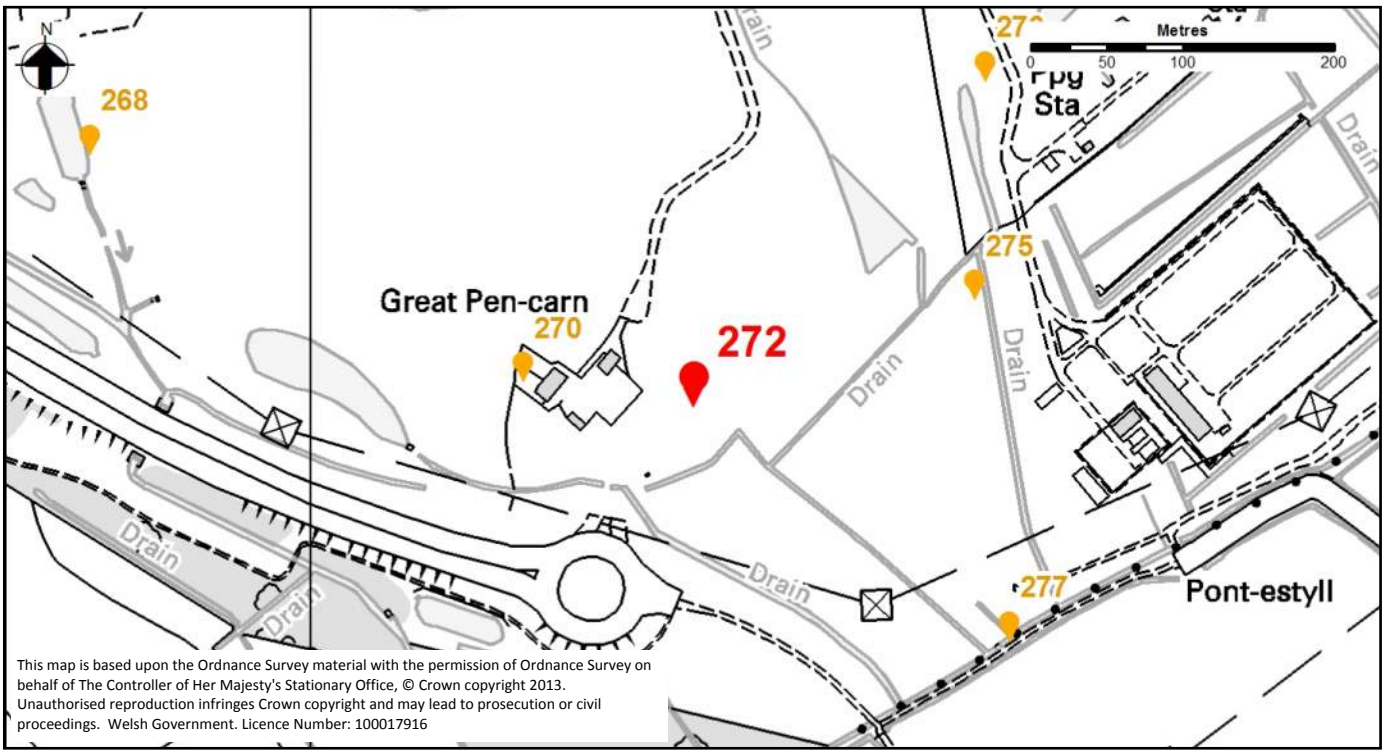

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	273	Date:	04-04-2014	GPS:	51.55, -3.04

Dominant Habitats:

Target Note:

Dead hedgehog on A48

Potential for Protected Species:

Target Note Location Map:

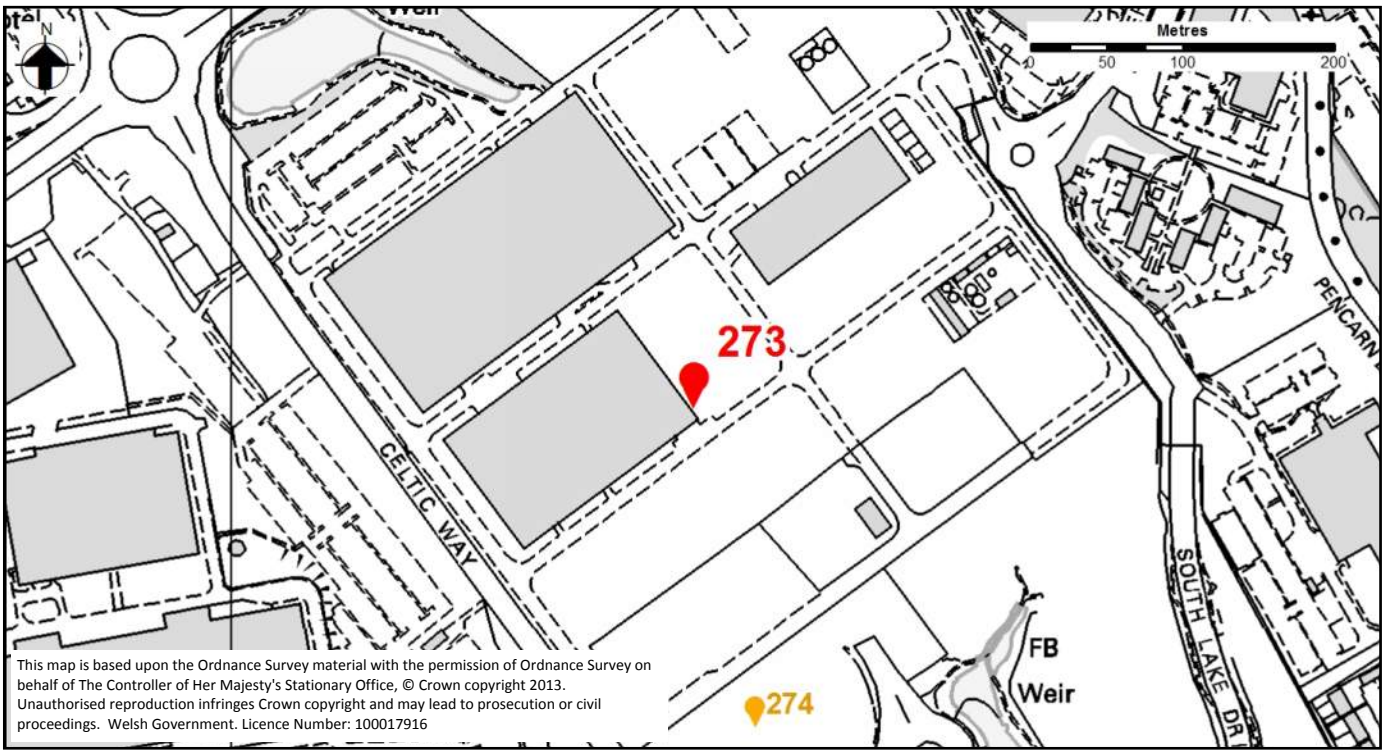

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	274	Date:	04-04-2014	GPS:	51.55, -3.03

Dominant Habitats:

Improved Grassland

Target Note:

Possible reseeded grassland, although rush species recolonising

Potential for Protected Species:

Target Note Location Map:

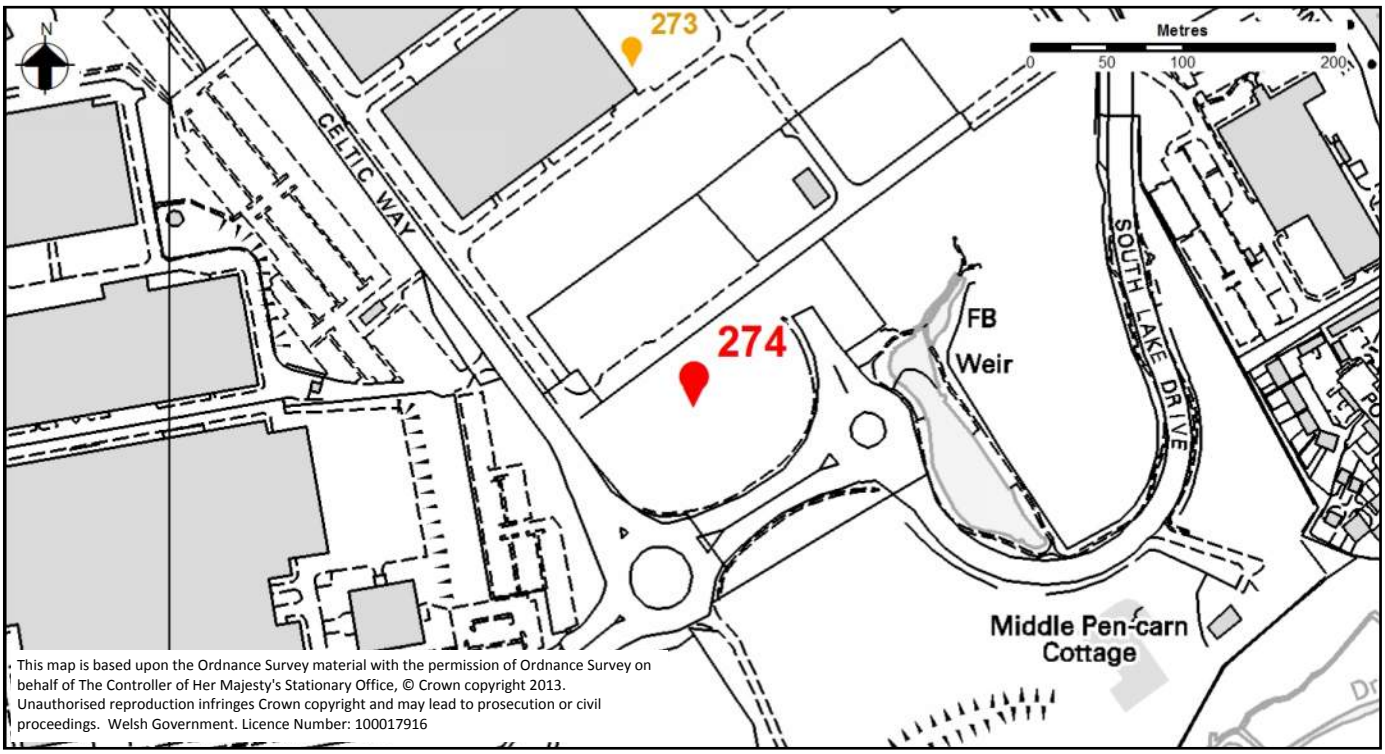

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	275	Date:	20-10-2014 15:24	GPS:	51.55, -3.03

Dominant Habitats:

Ditch, scrub

Potential for Protected Species:

Breeding birds

Target Note:

Disused reed warbler nest.

Target Note Location Map:

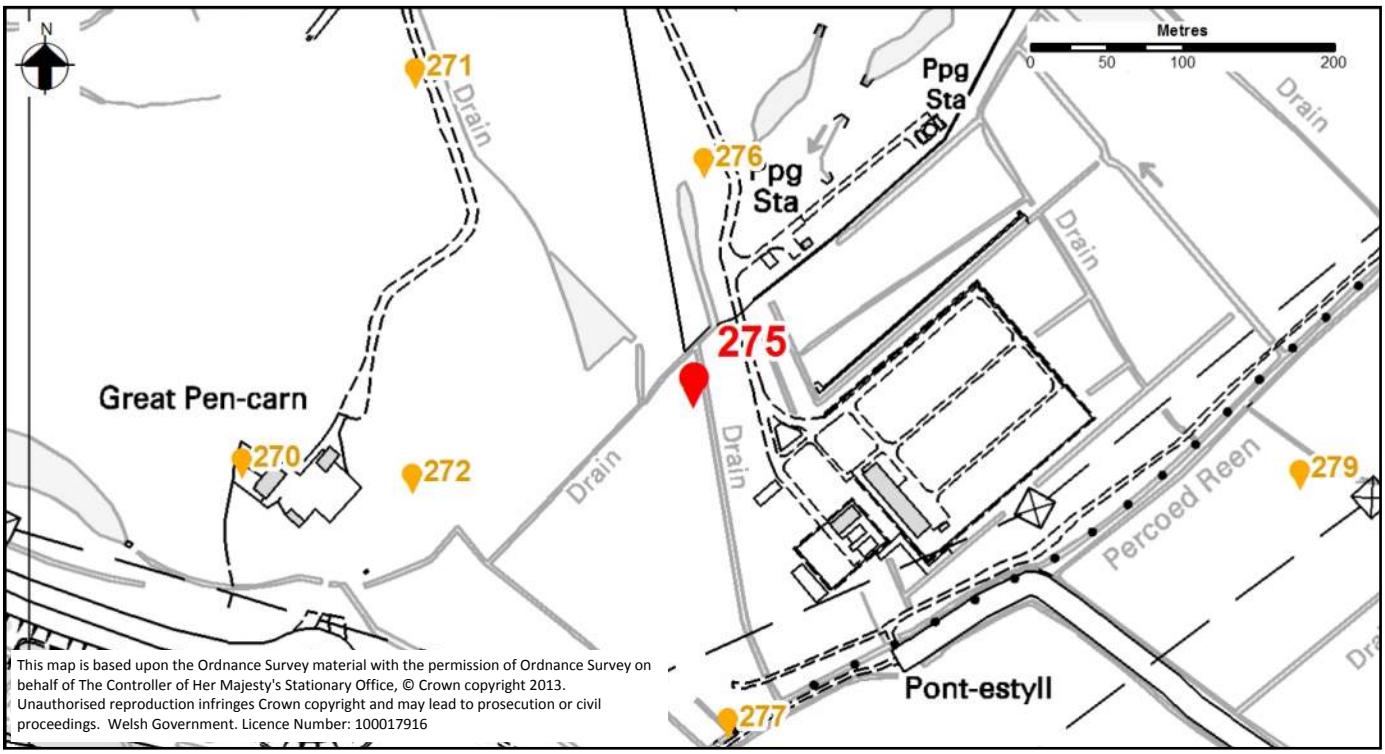

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	276	Date:	09-04-2014	GPS:	51.55, -3.03

Dominant Habitats:

Target Note:

Potential for Protected Species:

3 grass snake present

Target Note Location Map:

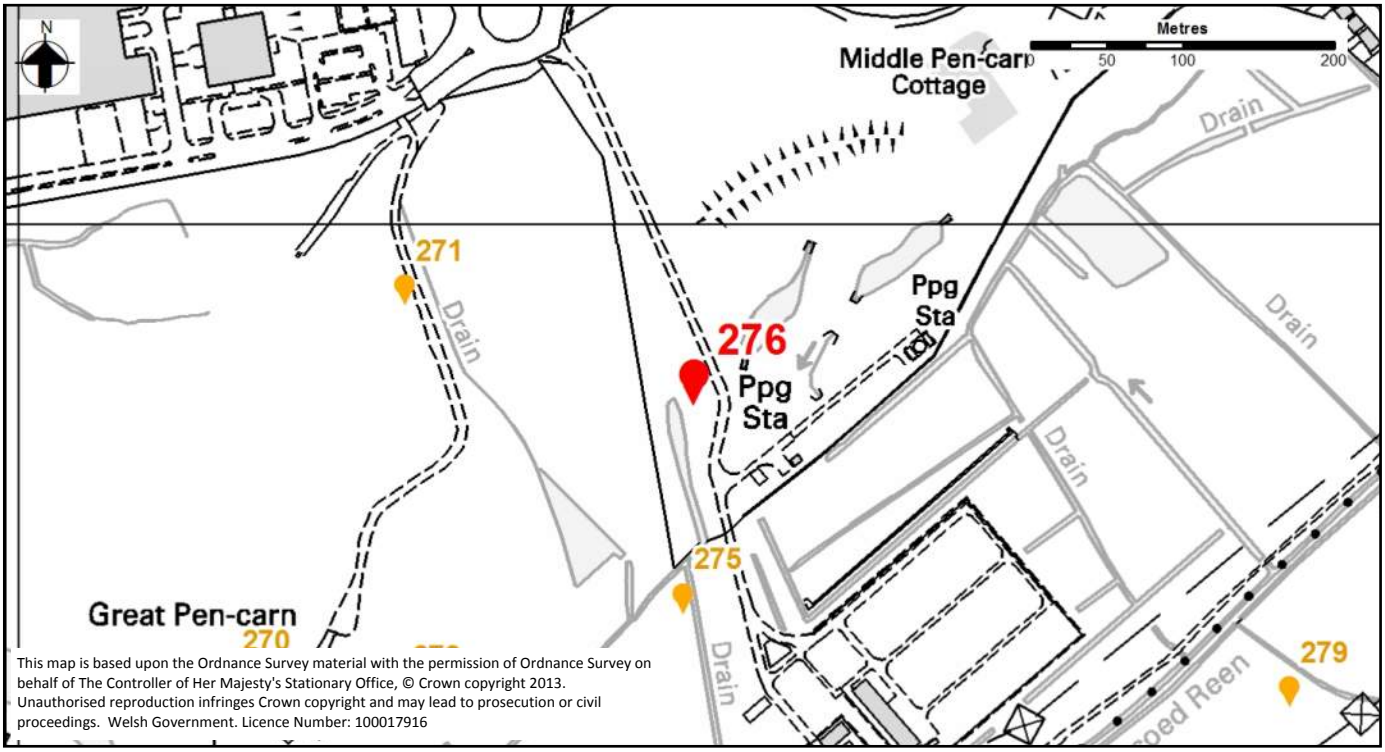

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	277	Date:	09-04-2014 10:20	GPS:	51.55, -3.03

Dominant Habitats:

Woodland/running water

Potential for Protected Species:

Otter

Target Note:

Possible otter pathway

Target Note Location Map:

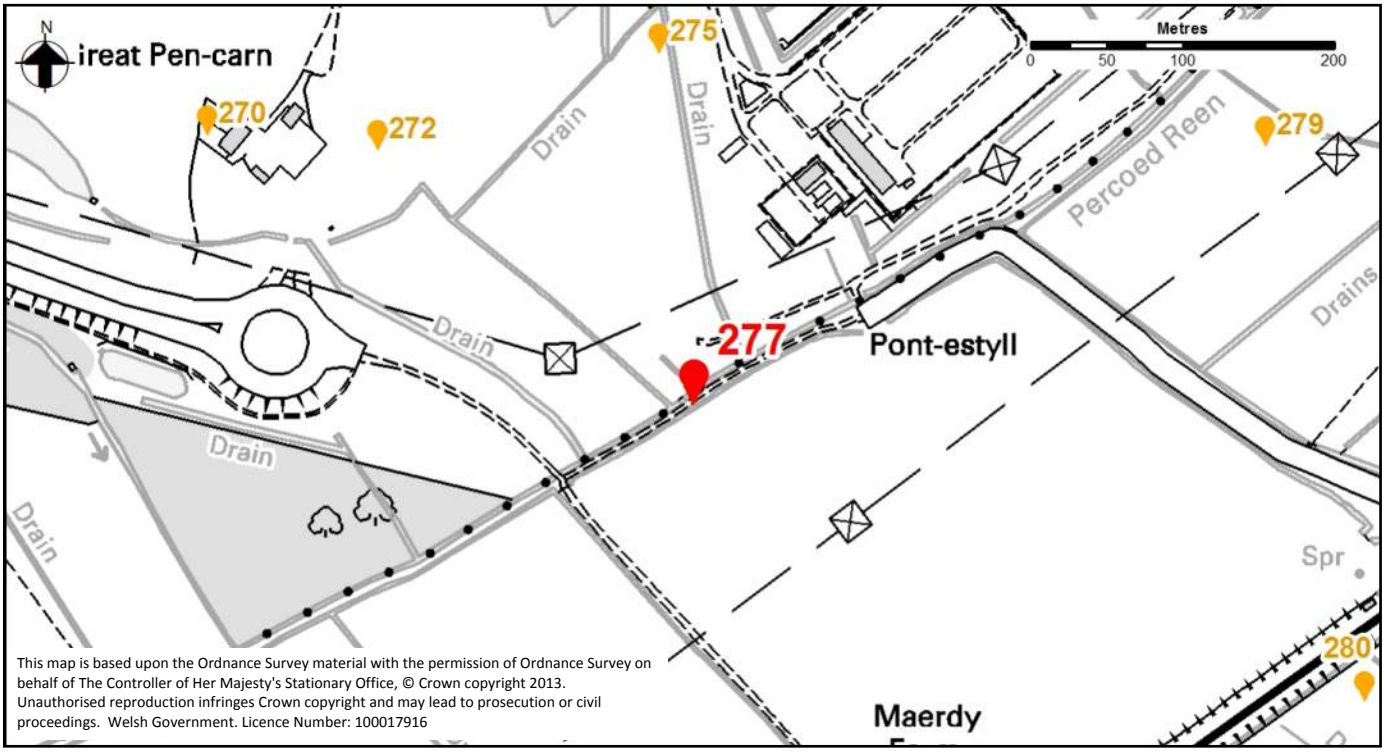

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	279	Date:	22-09-2014 14:46	GPS:	51.55, -3.03

Dominant Habitats:

Ditch, arable, livestock grazing

Target Note:

Rat pathways

Potential for Protected Species:

Target Note Location Map:

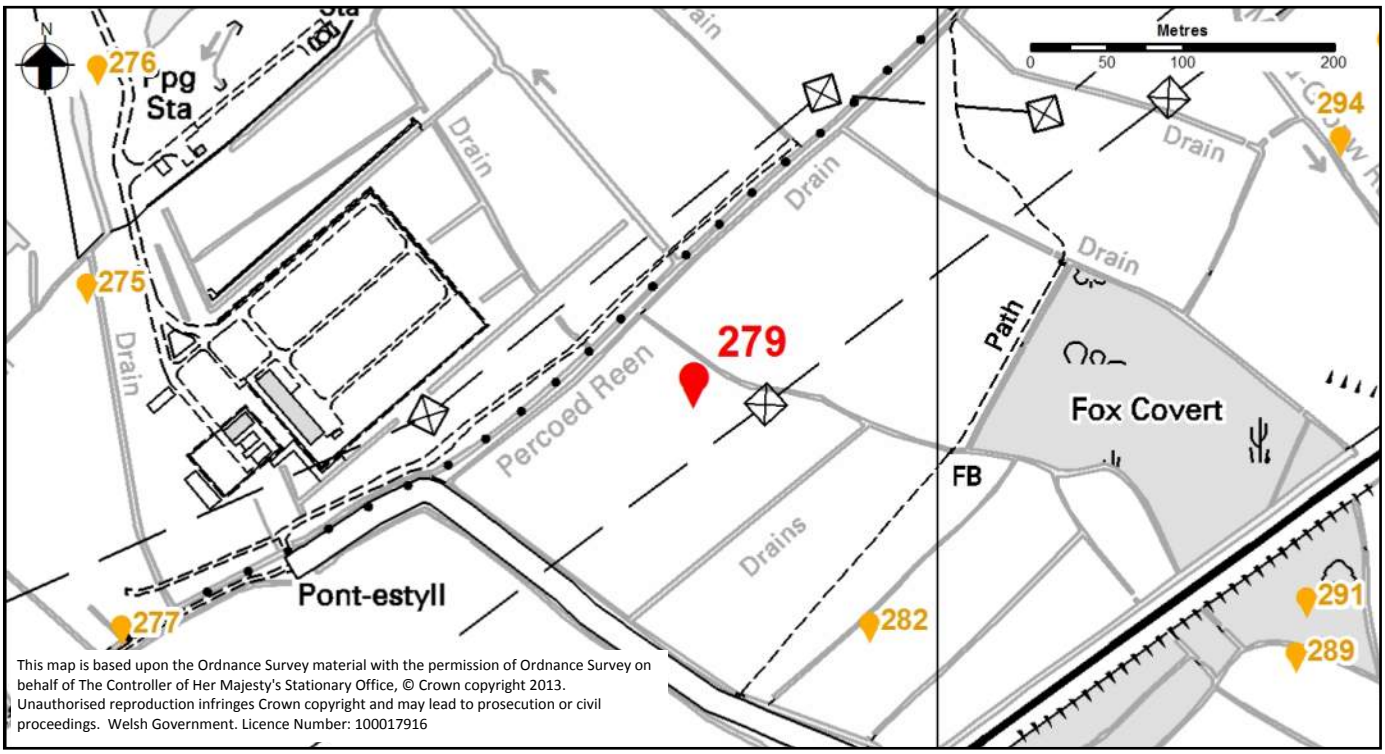

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	280	Date:	17-06-2014	GPS:	51.54, -3.03

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Semi-improved field with crested dog's tail, Yorkshire fog, buttercup, knapweed, self heal, red clover, bird's foot trefoil, docks, foxtail, vetches. Common reed and yellow flag in gullies

Potential for Protected Species:

Target Note Location Map:

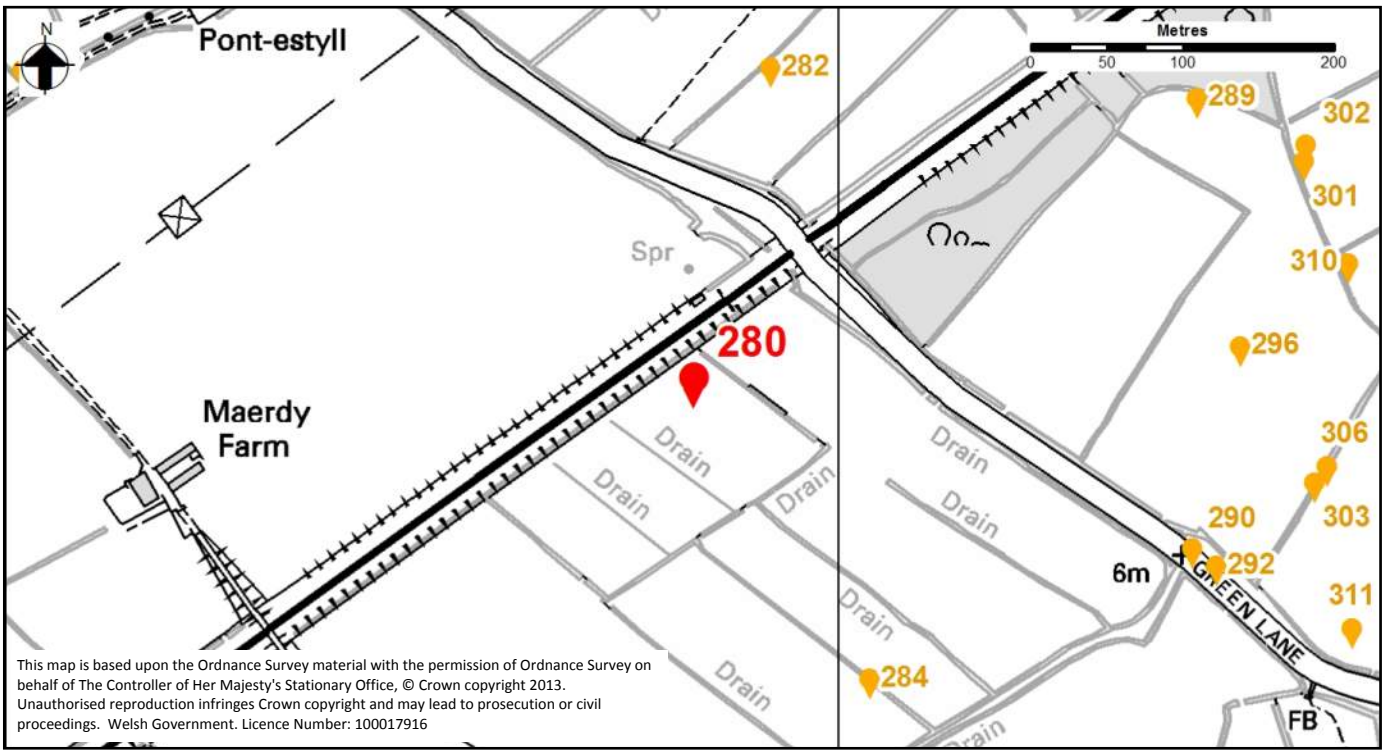

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	282	Date:	09-04-2014 14:07	GPS:	51.55, -3.03

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway present

Potential for Protected Species:

Target Note Location Map:

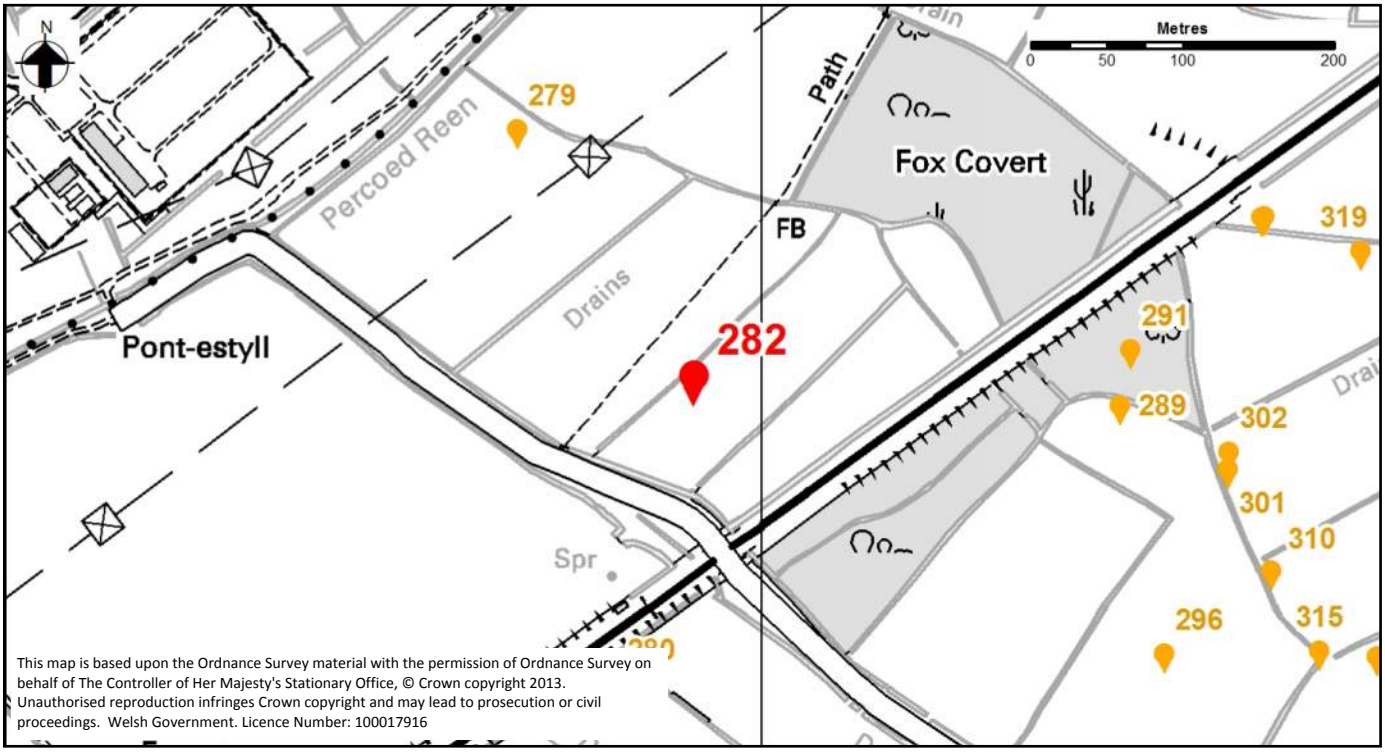

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	283	Date:	09-04-2014 11:00	GPS:	51.55, -3.03

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

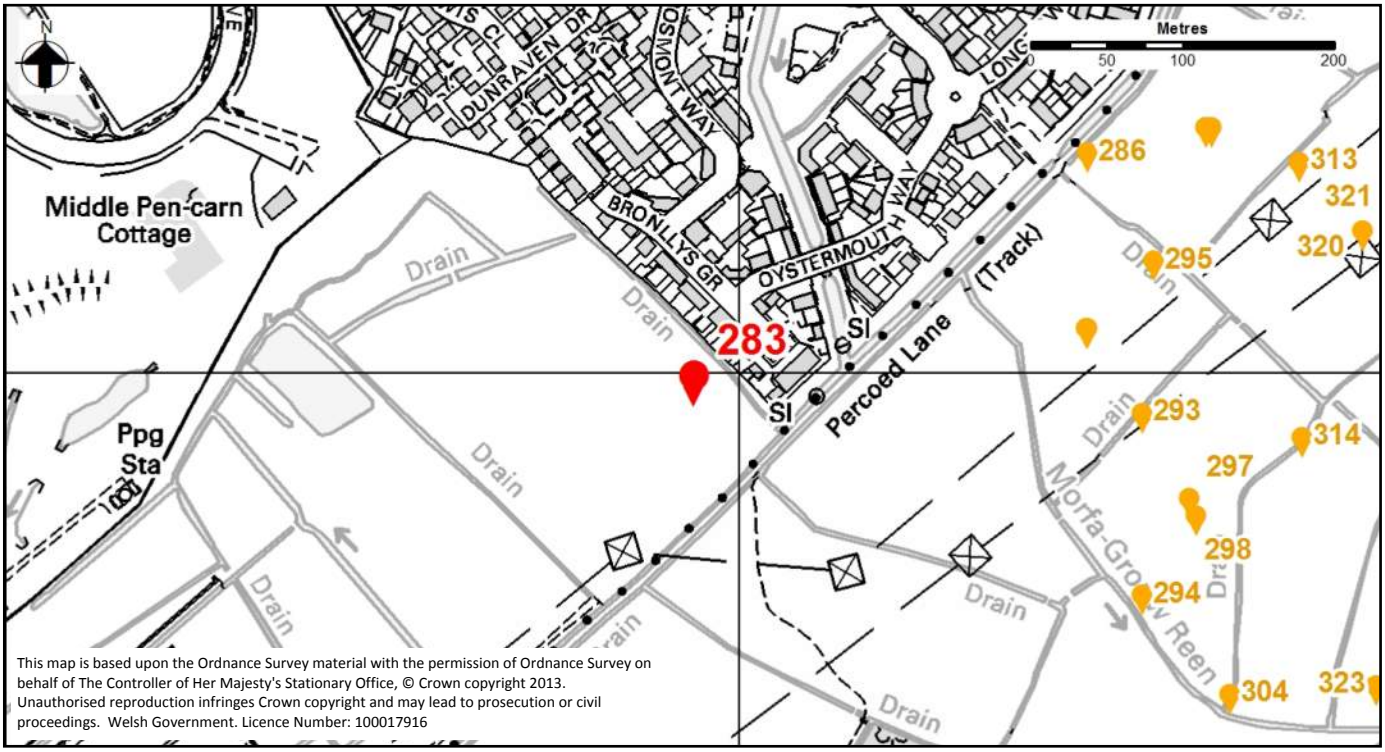

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	284	Date:	17-06-2014	GPS:	51.54, -3.02

Dominant Habitats:

Semi-improved neutral grassland, species-poor defunct hedge, standing water

Target Note:

Faeces or regurgitated remains next to reen.

Potential for Protected Species:

Target Note Location Map:

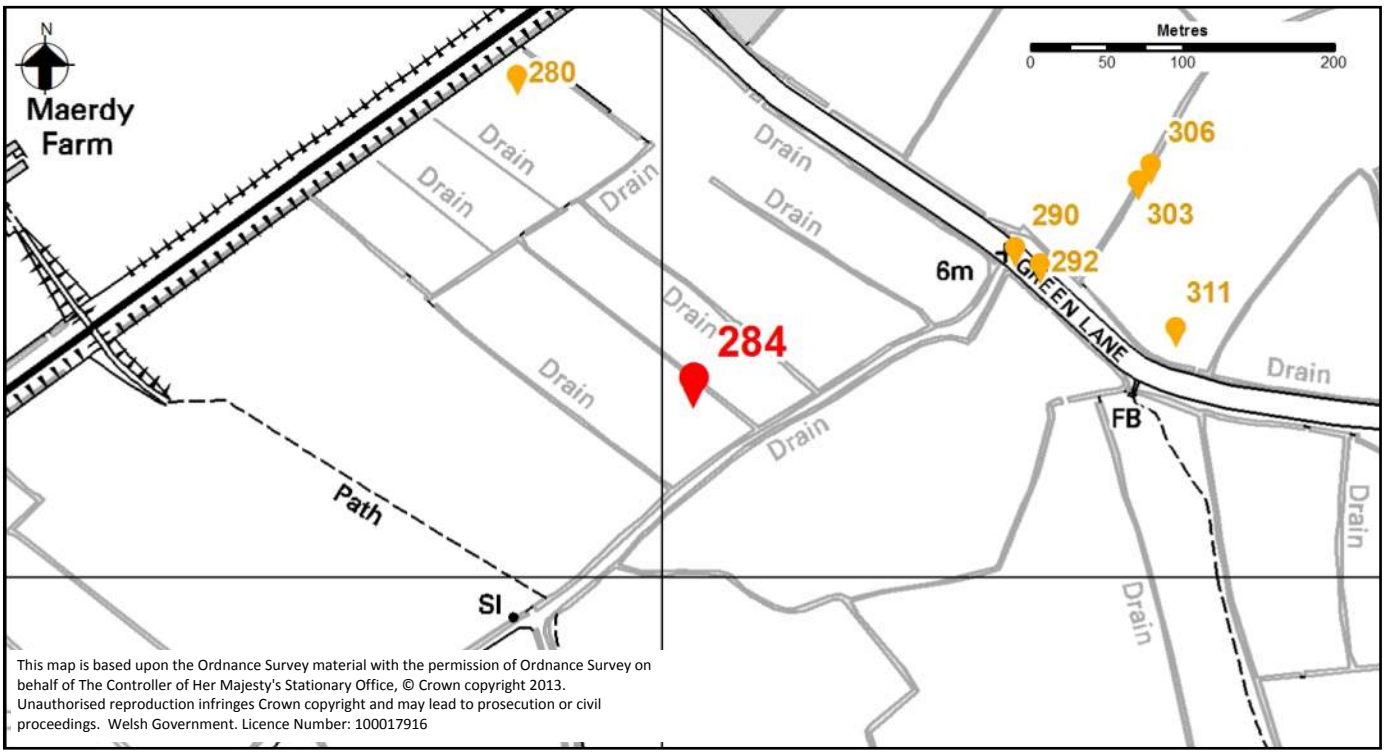

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	286	Date:	25-09-2014 15:06	GPS:	51.55, -3.02

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Bats

Target Note:

Hedgerow with bat potential

Target Note Location Map:

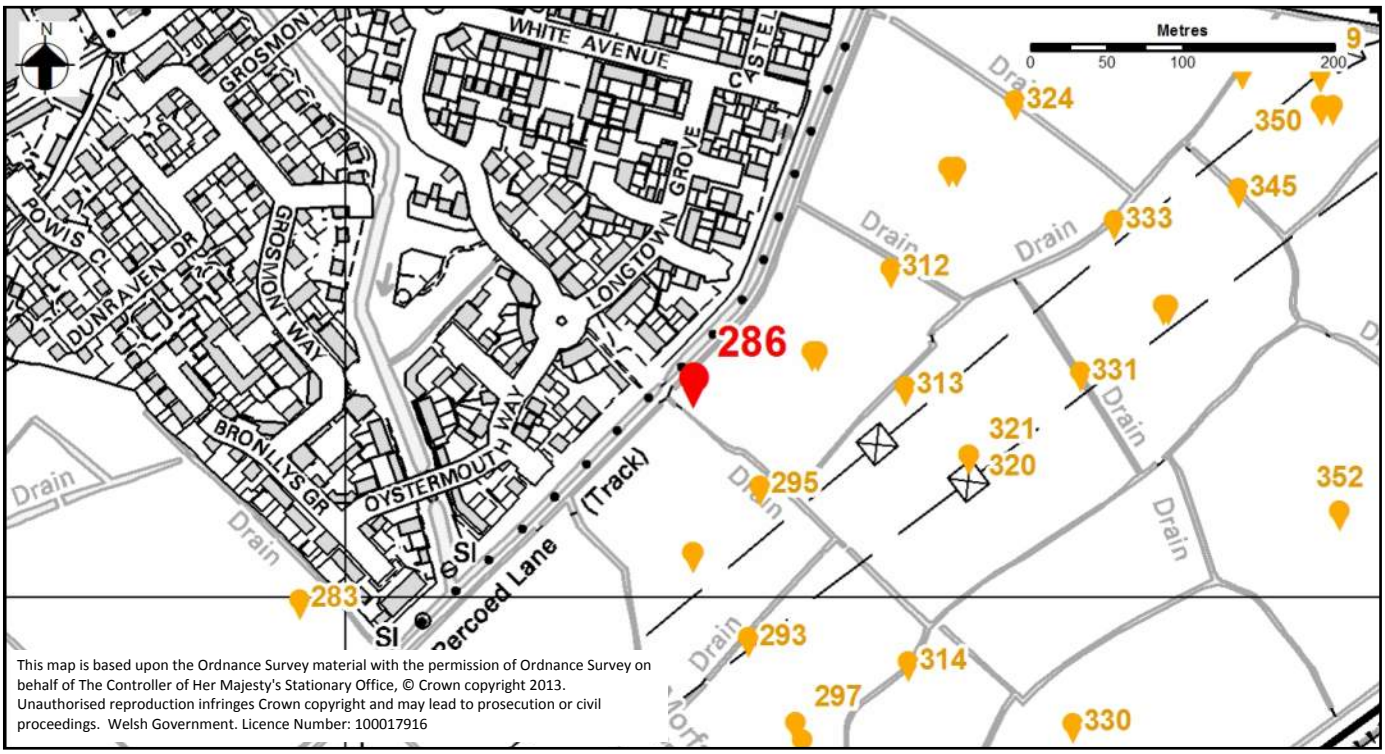

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	287	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Moss, bittergrass, cinquefoil, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

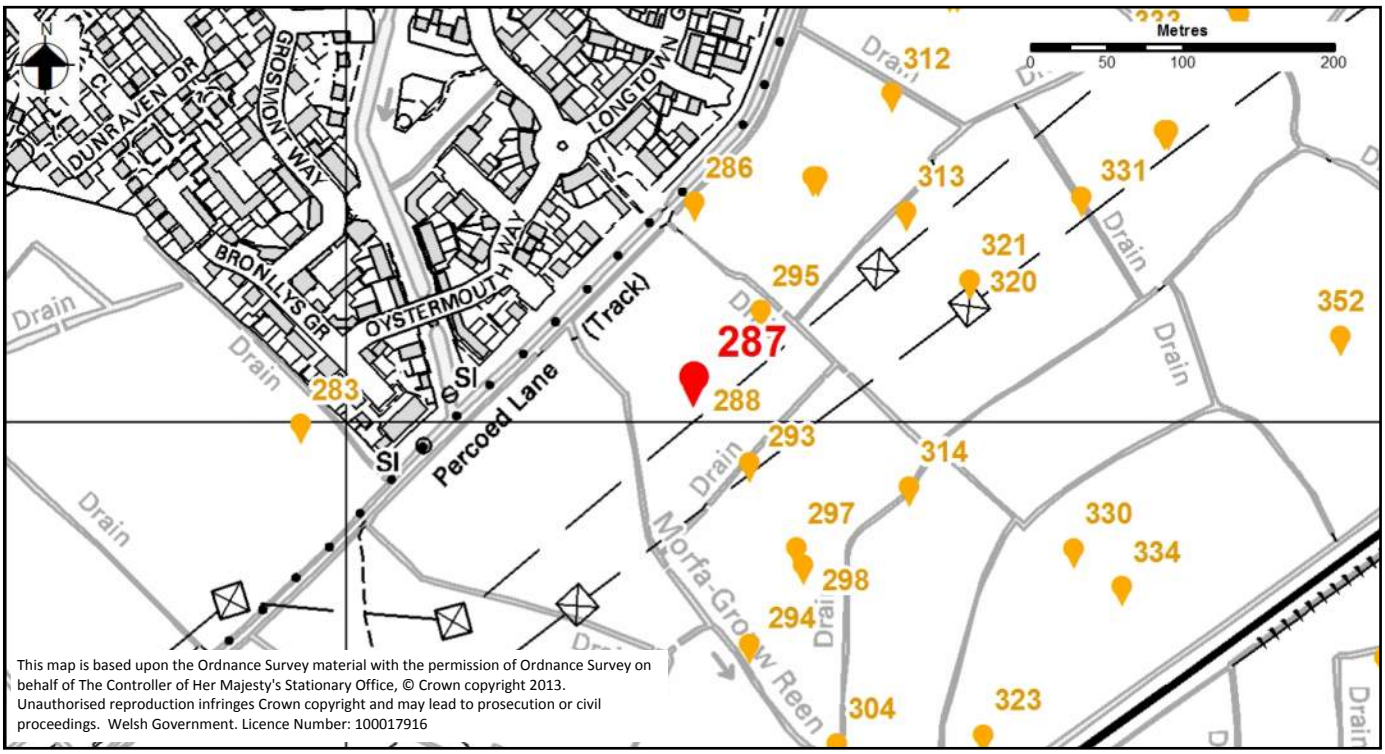

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	288	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Moss, bittergrass, cinquefoil, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

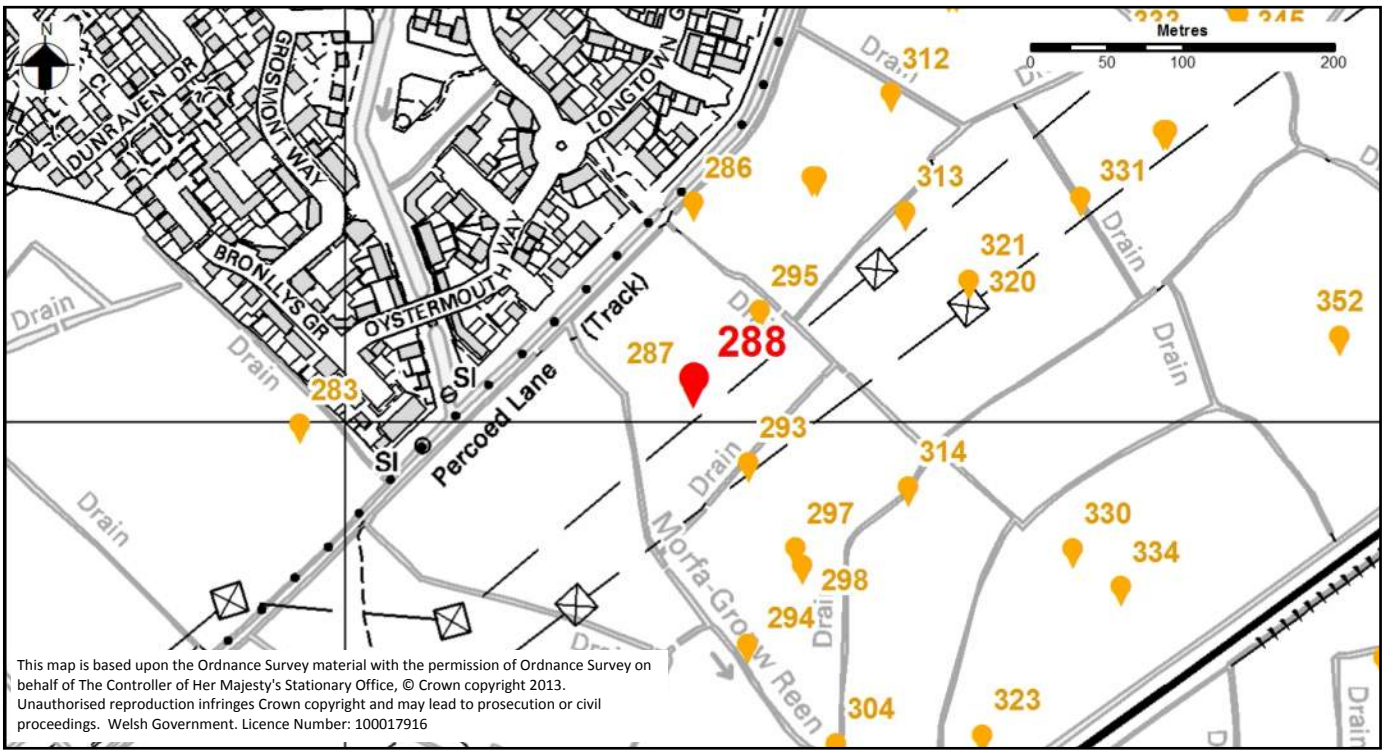

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	289	Date:	02-07-2014 11:42	GPS:	51.55, -3.02

Dominant Habitats:

Wet woodland/arable

Target Note:

Mammal pathway into reen. Woodland (possibly wet woodland) present behind with a narrow path along edge of field, which looks more like fox.

Potential for Protected Species:

Target Note Location Map:

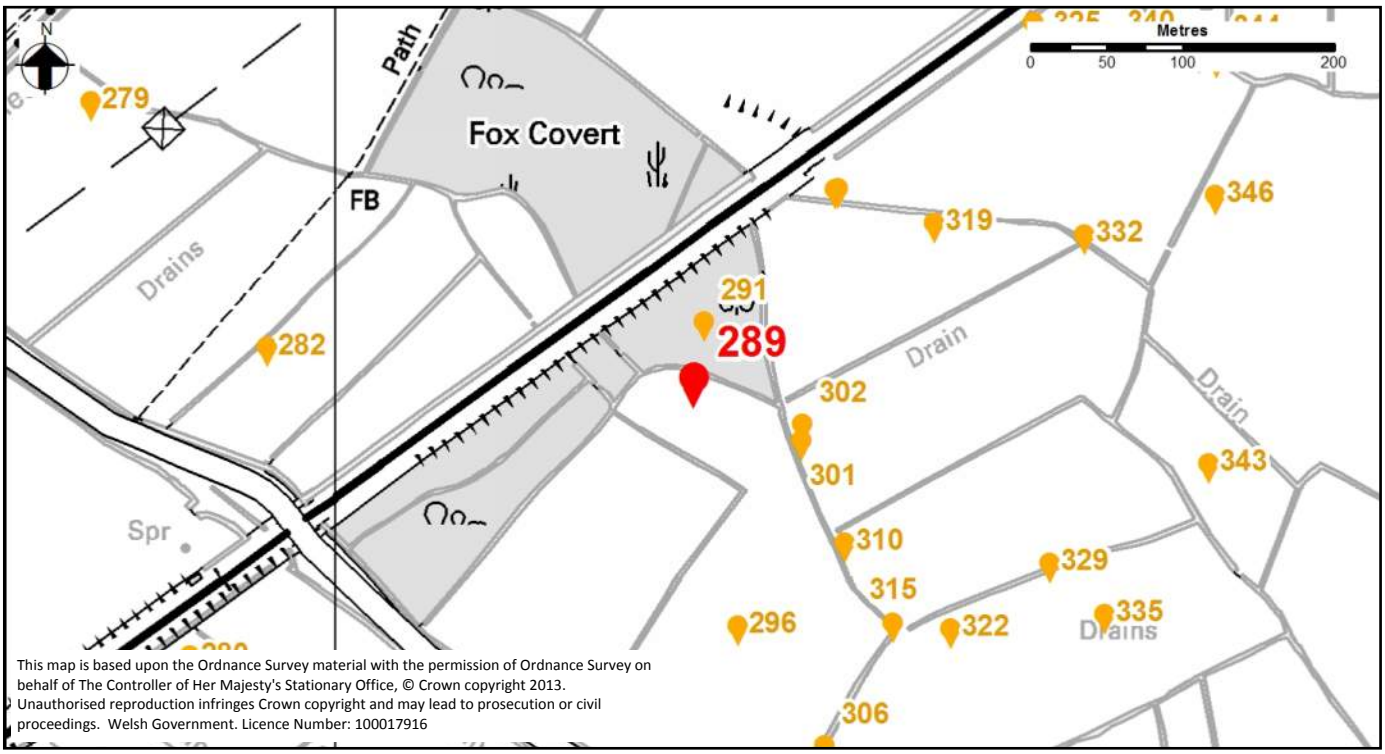

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	290	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Phragmites, bramble

Potential for Protected Species:

Target Note Location Map:

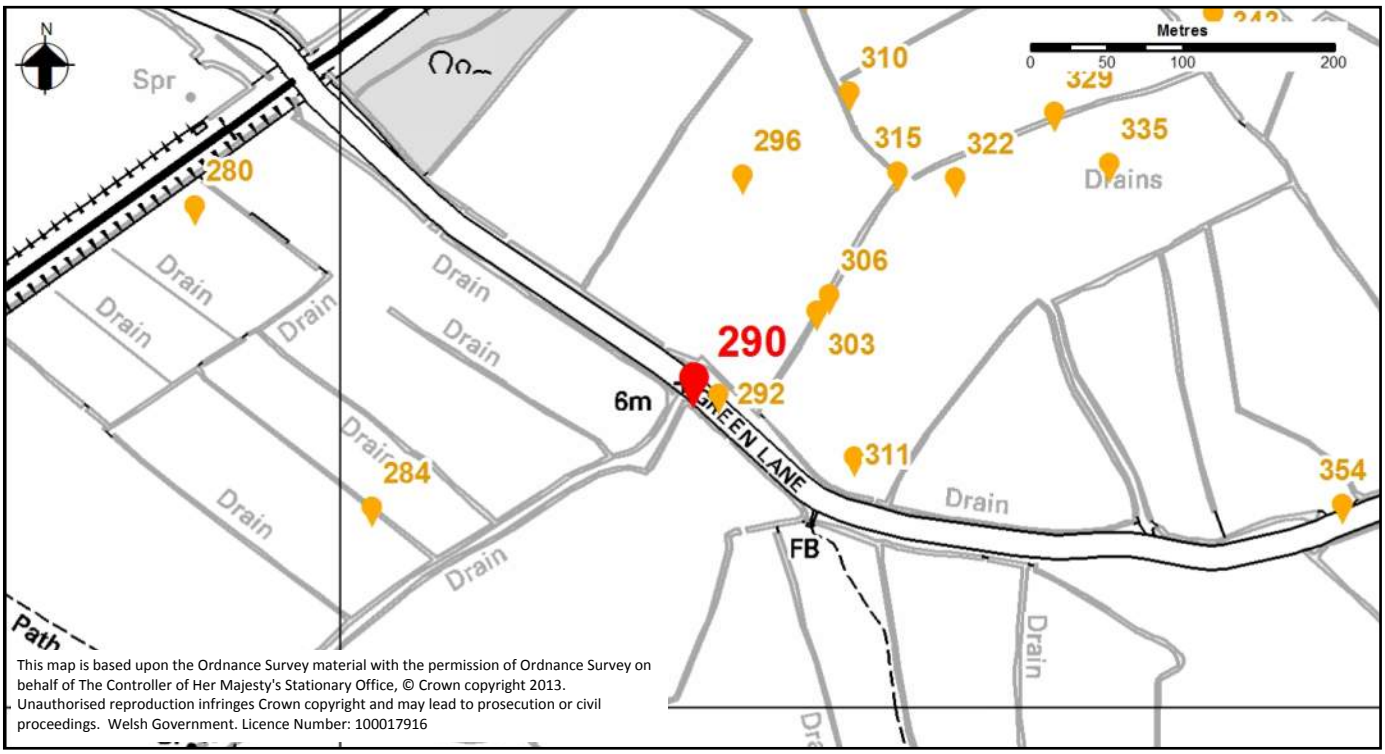

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	291	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Goat willow, oak, ash, hawthorn, silver birch, honeysuckle, dog rose, bramble

Potential for Protected Species:

Target Note Location Map:

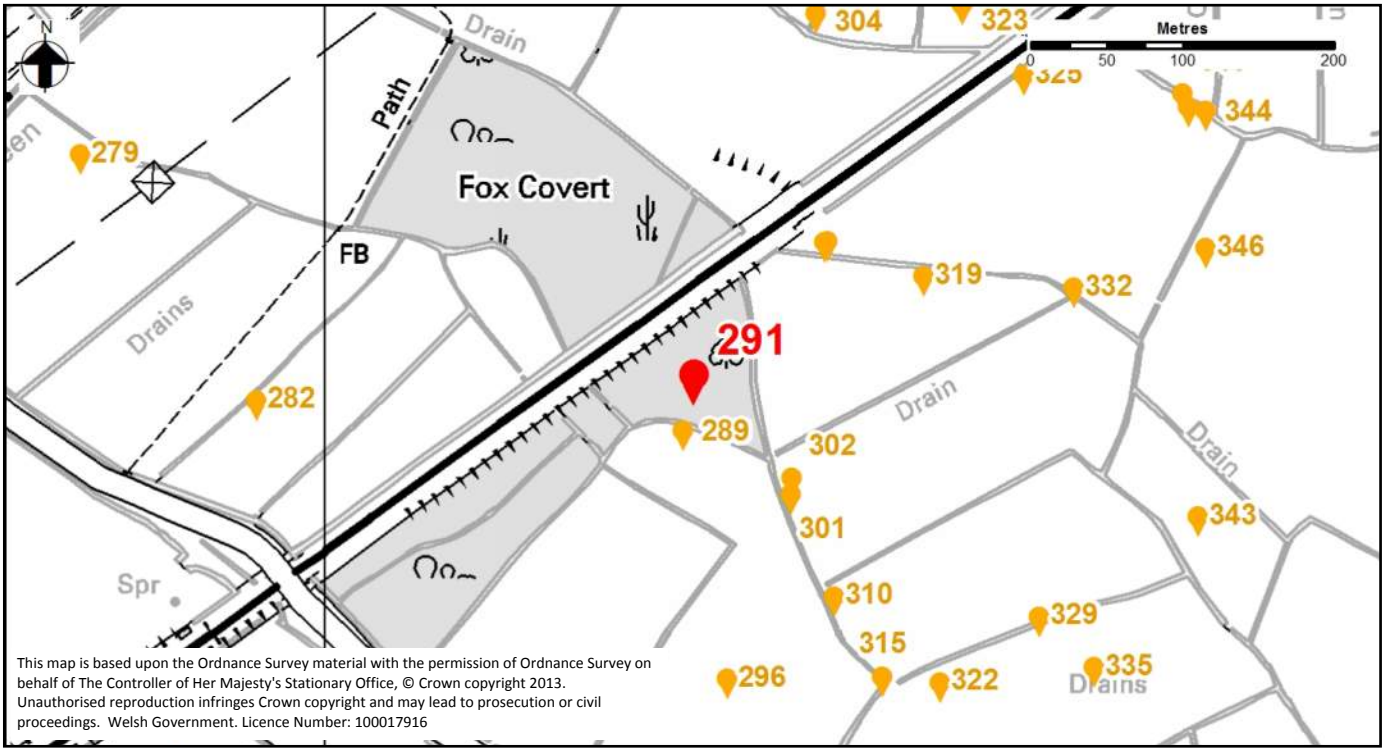

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	292	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Crack willow, goat willow, elder, oak

Potential for Protected Species:

Target Note Location Map:

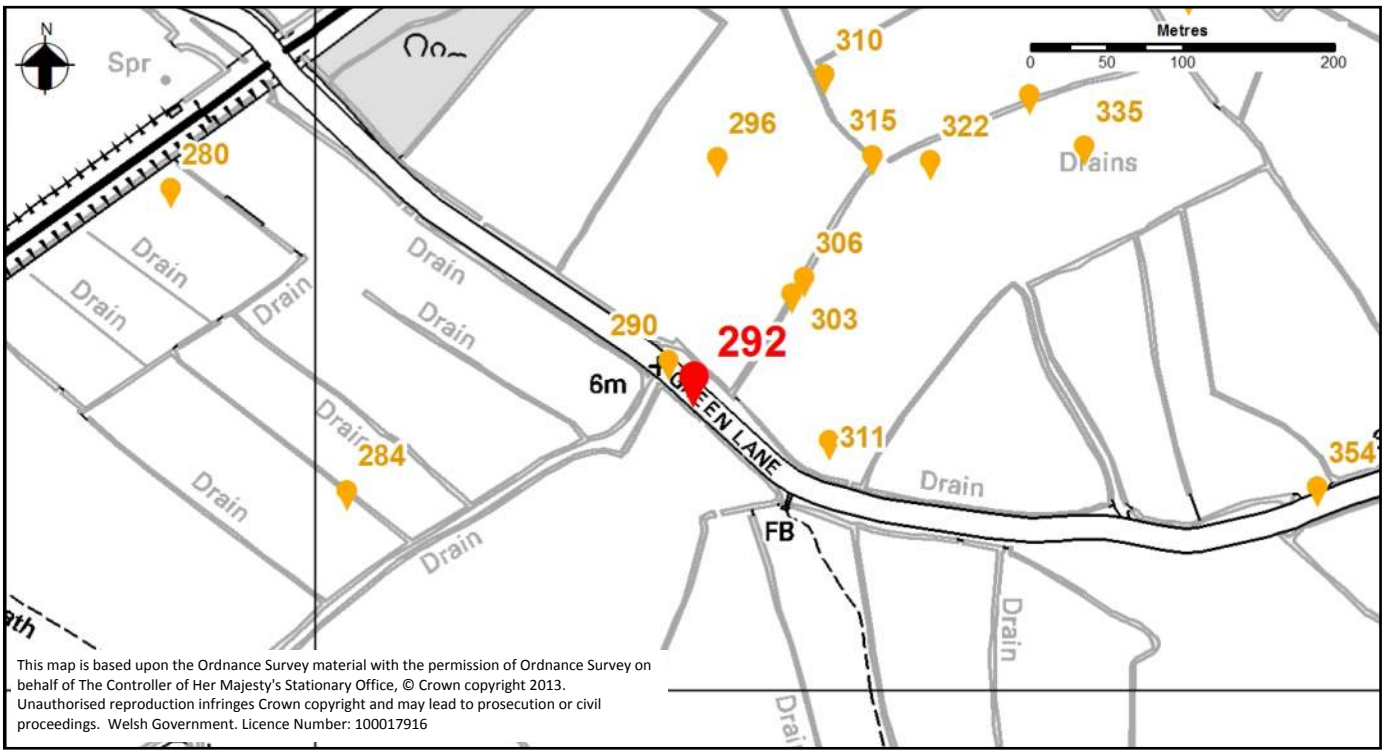

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	293	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, hawthorn, bramble, pendunculate oak, cocksfoot, dogrose, woody nightshade, willow spp.

Potential for Protected Species:

Target Note Location Map:

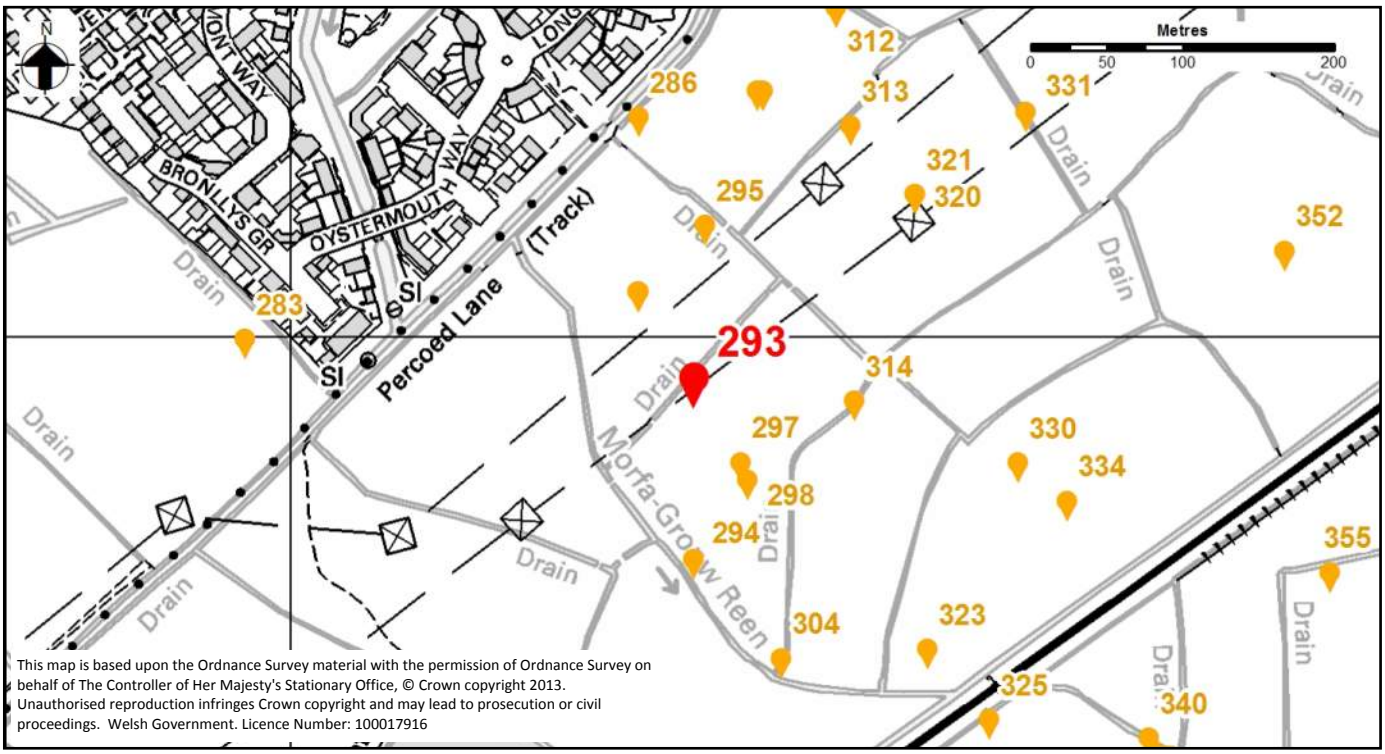

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	294	Date:	08-05-2014	GPS:	51.55, -3.02

Dominant Habitats:

Arable/improved

Target Note:

Two lapwings flying over field

Potential for Protected Species:

Target Note Location Map:

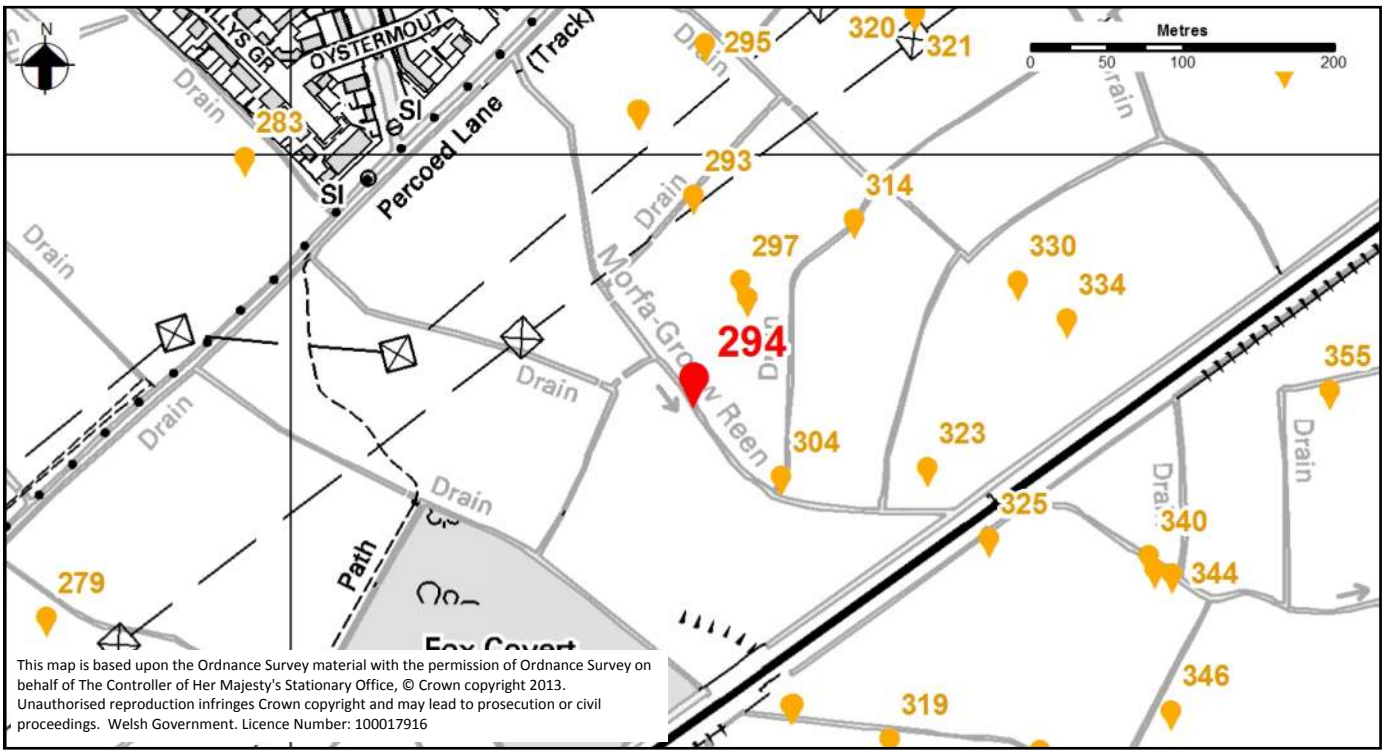

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	295	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, hogweed, reed sweet grass, knapweed, purple loose strife, common nettle, bramble, hawthorn

Potential for Protected Species:

Target Note Location Map:

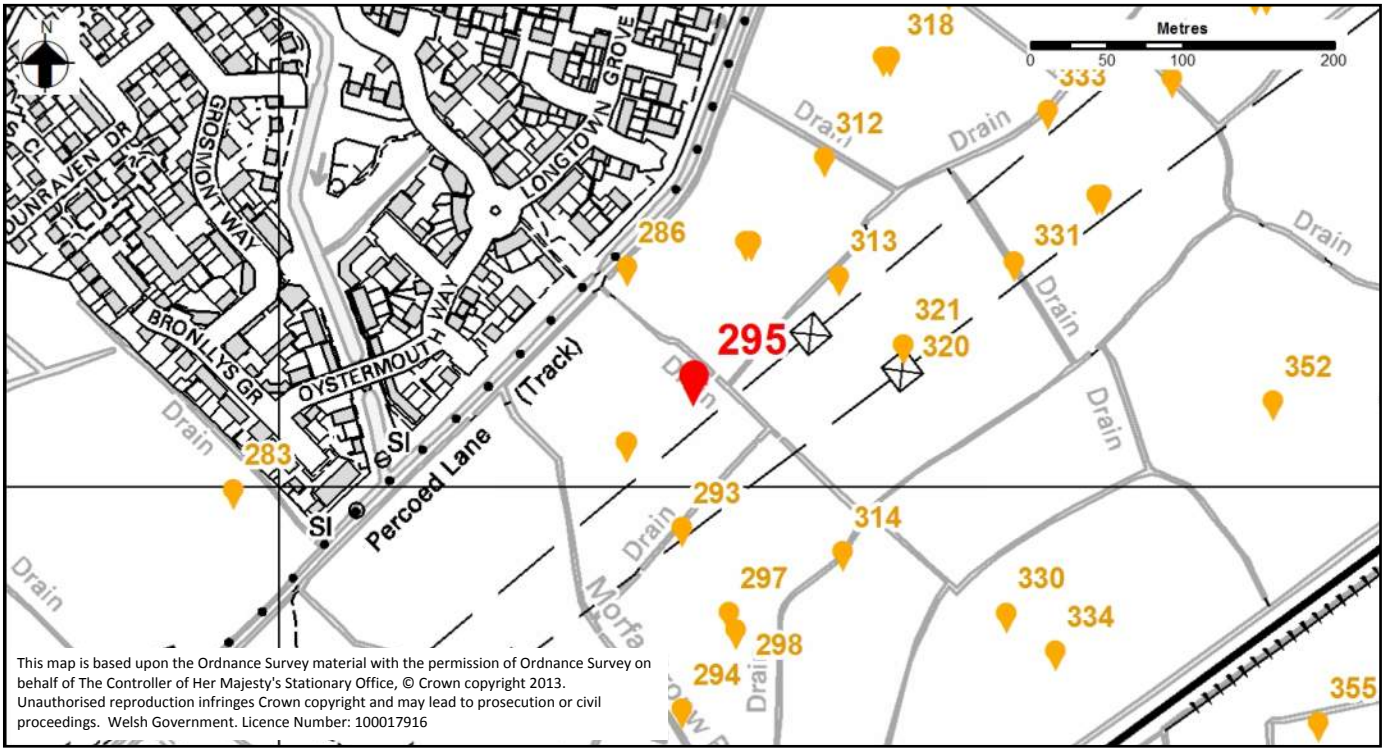

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	296	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Rye, willowherb sp., red clover and white clover, Yorkshire fog dominated, dock, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

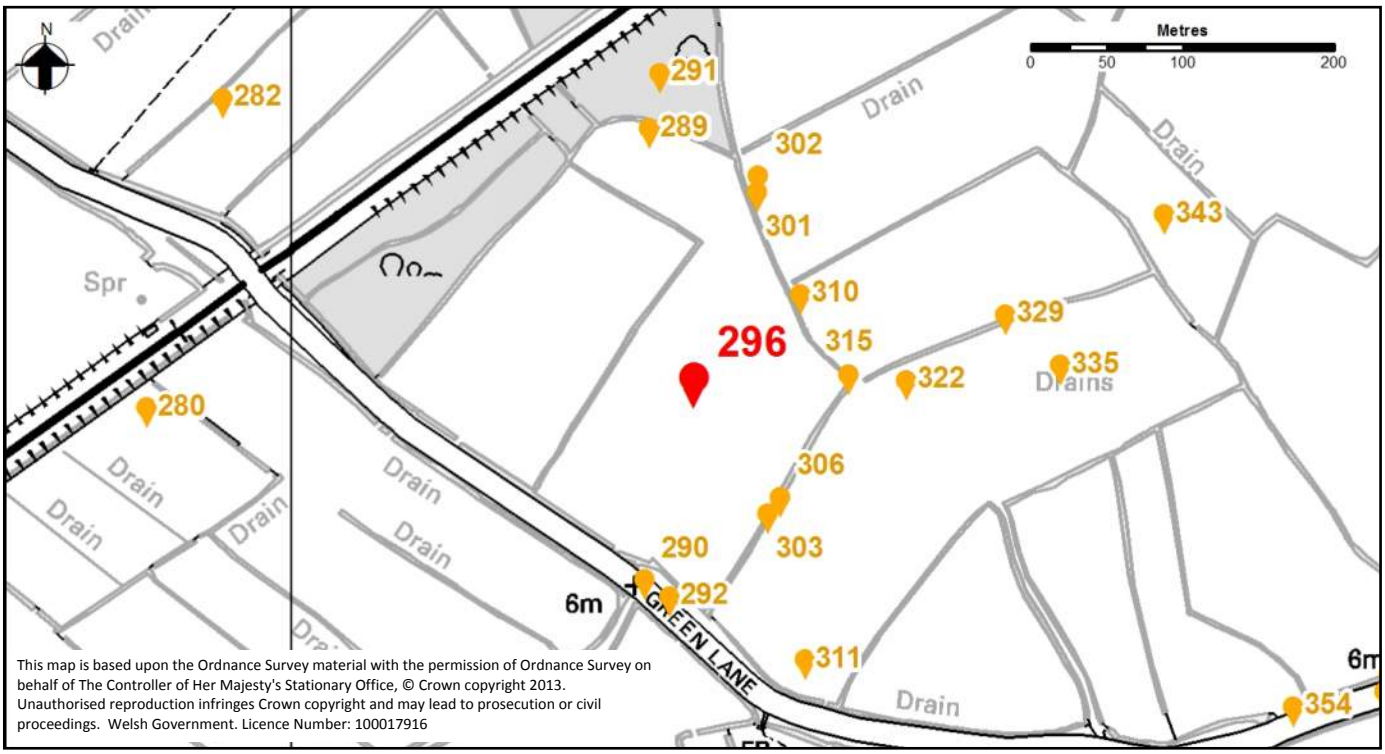

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	297	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Moss, bittergrass, cinquefoil, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

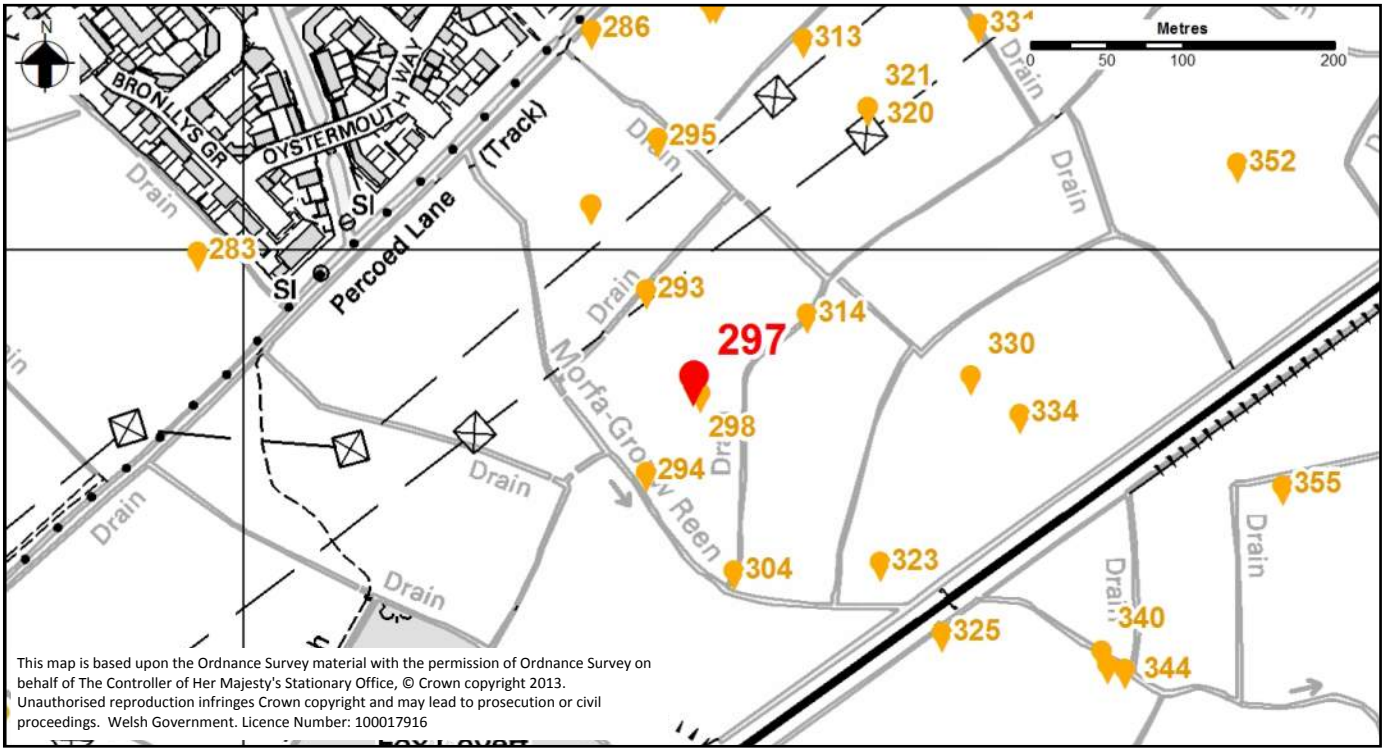

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	298	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Moss, bittergrass, cinquefoil, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

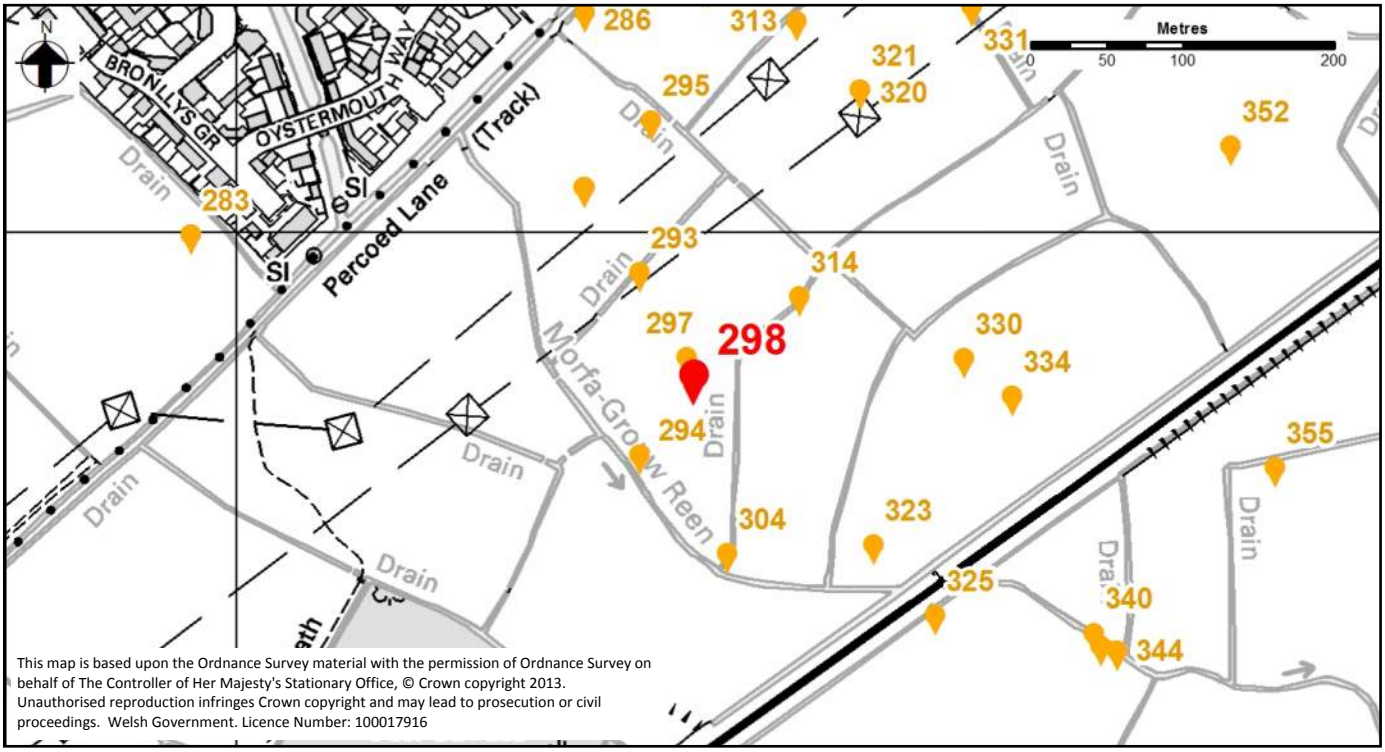

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	299	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Moss, bittergrass, cinquefoil, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

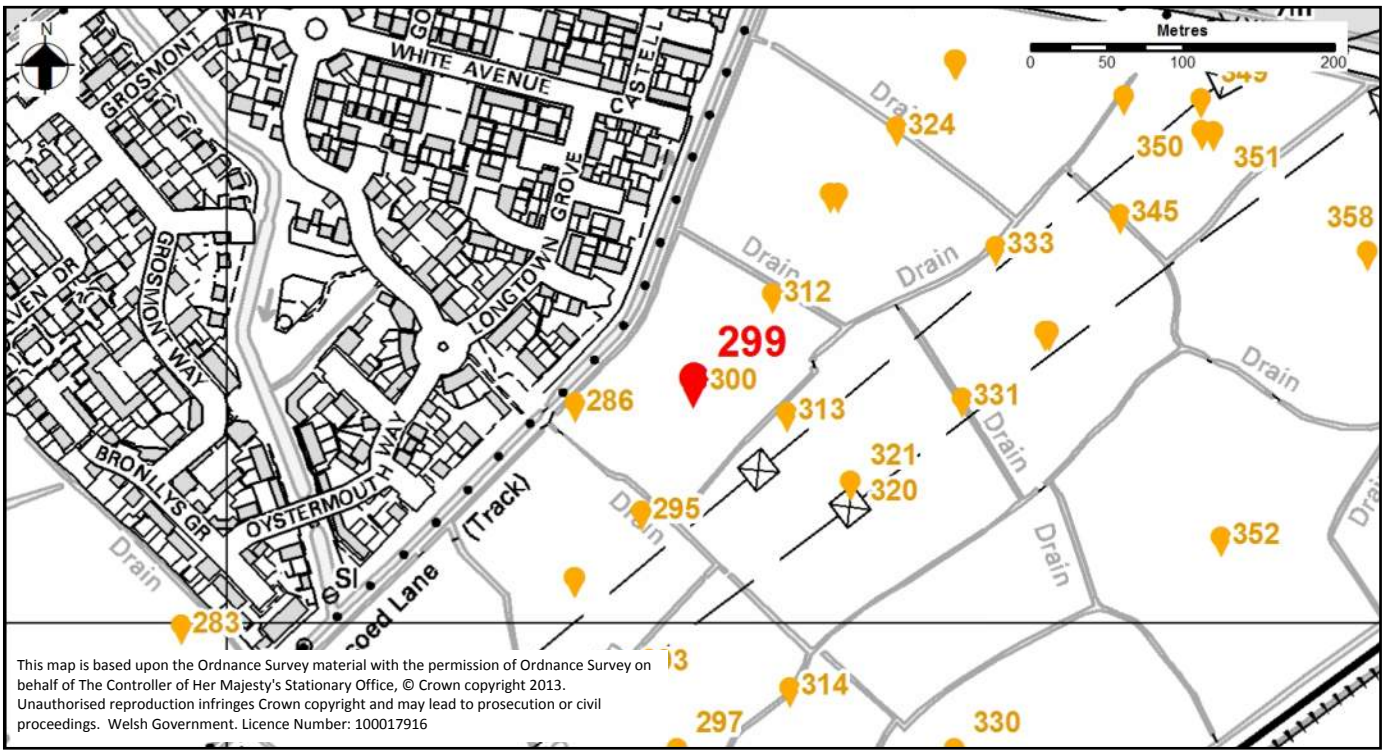

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	300	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Moss, bittergrass, cinquefoil, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

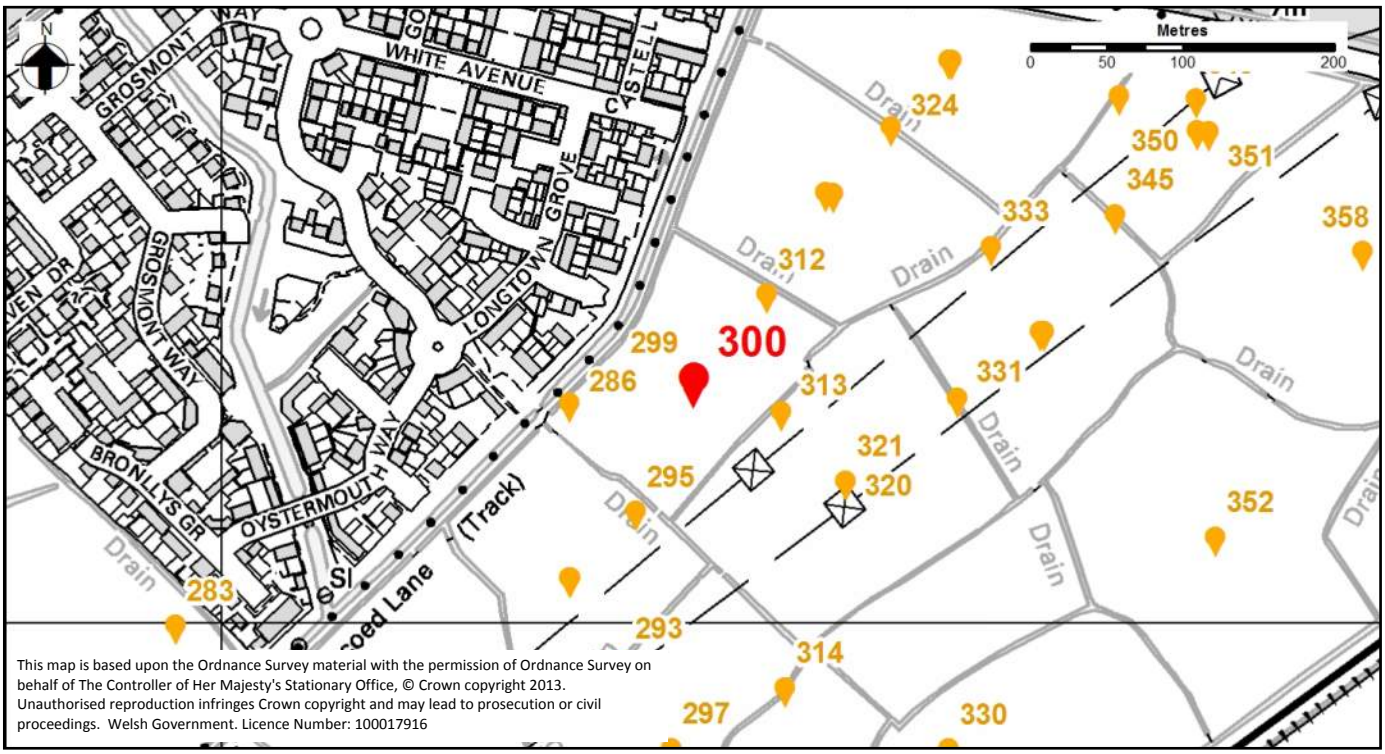

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	301	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Reen

Target Note:

Common reed, yellow flag iris, umbels

Potential for Protected Species:

Target Note Location Map:

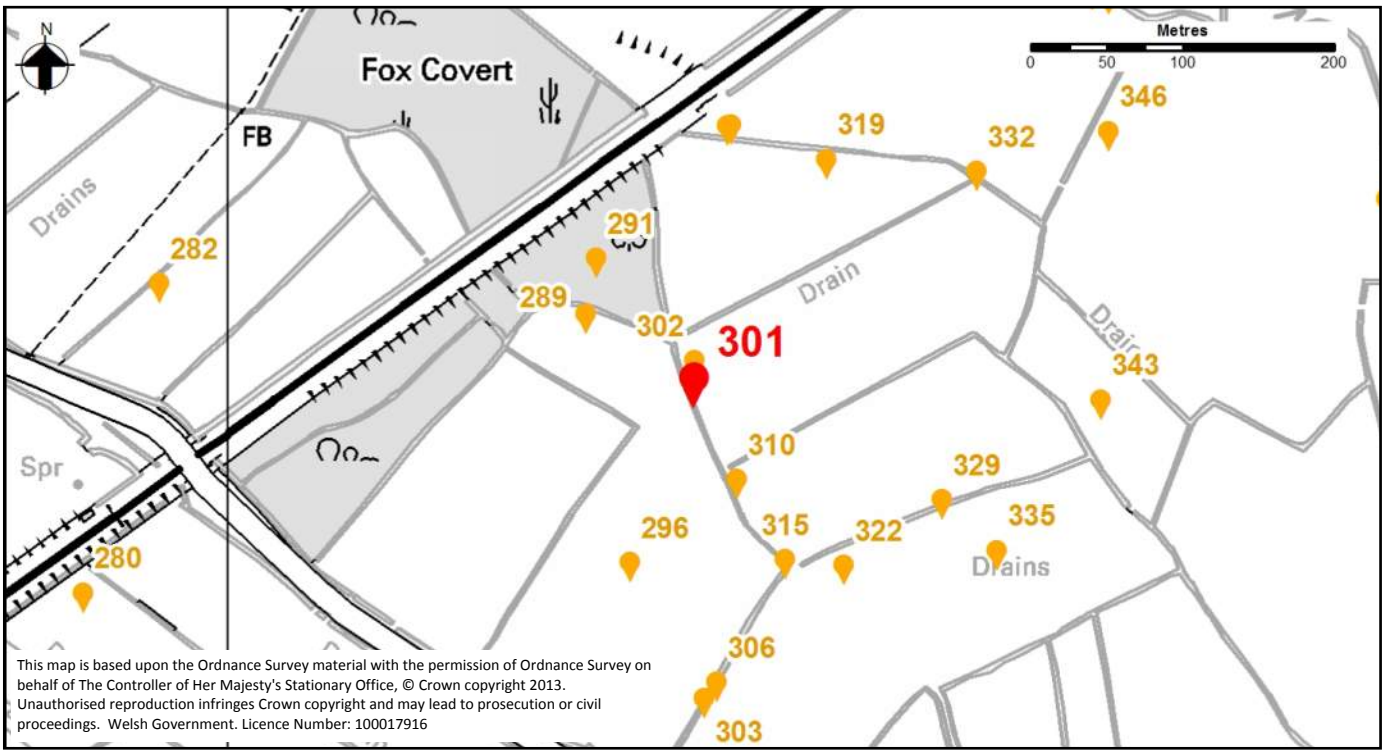

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	302	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Waterbody

Target Note:

Phragmites, yellow flag iris, umbels

Potential for Protected Species:

Target Note Location Map:

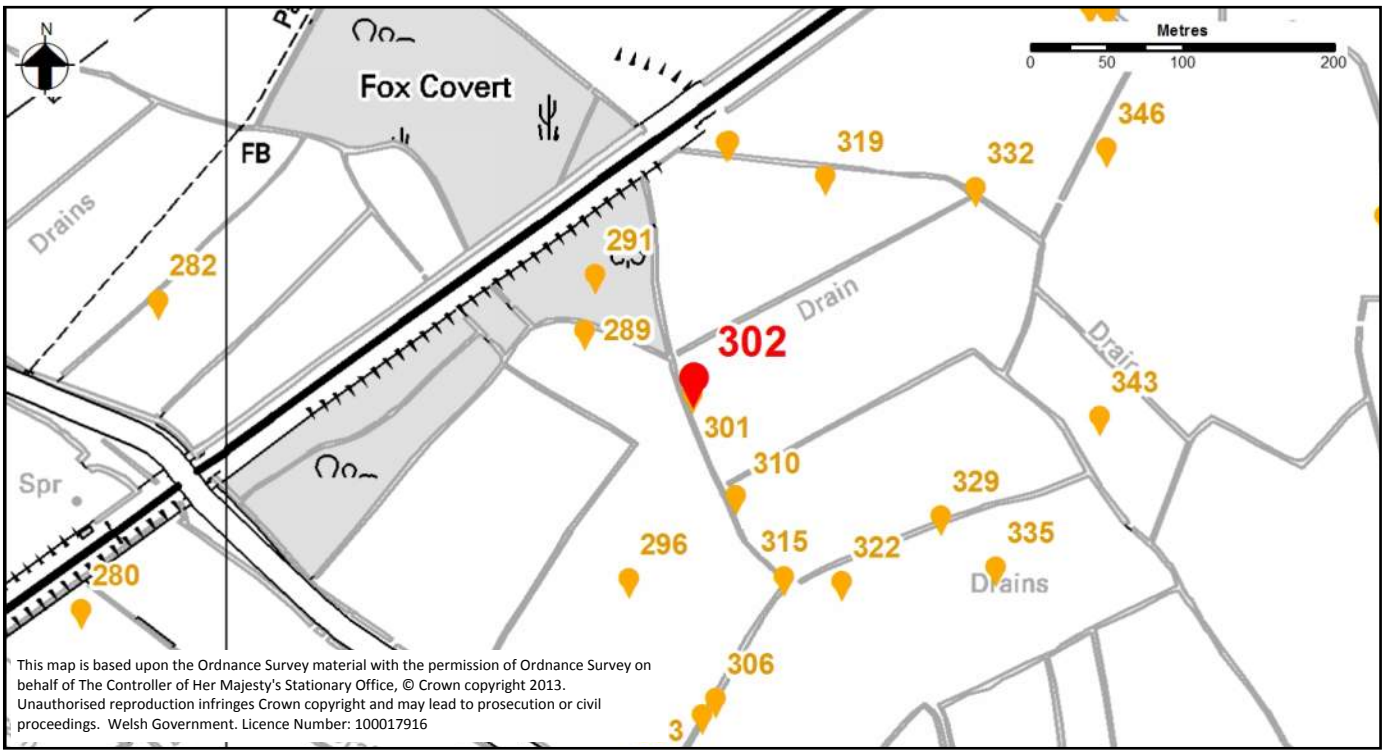

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	303	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Hedgerow

Target Note:

Defunct hedgreow, bramble, hawthorn, oak, blackthorn, goat willow

Potential for Protected Species:

Target Note Location Map:

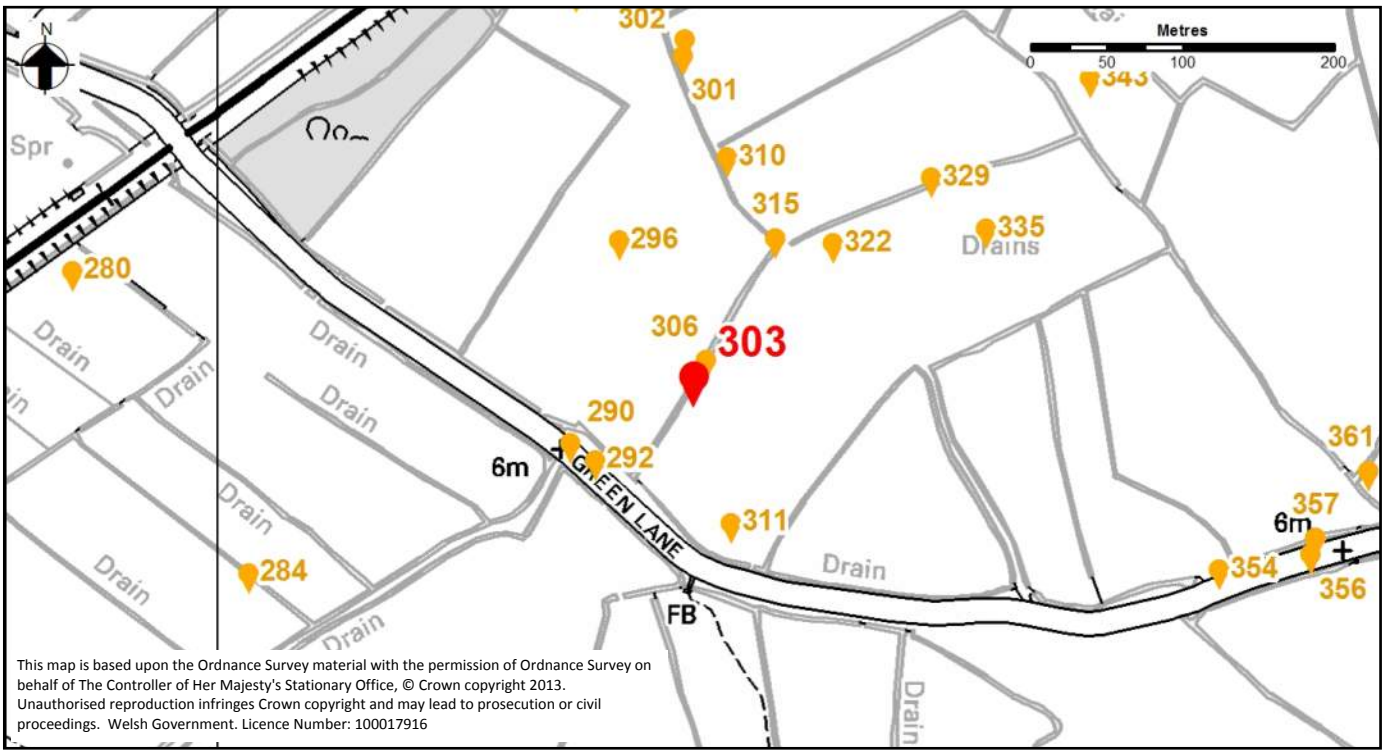

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	304	Date:	08-05-2014	GPS:	51.55, -3.02

Dominant Habitats:

Arable

Potential for Protected Species:

Breeding birds

Target Note:

Canada goose on nest

Target Note Location Map:

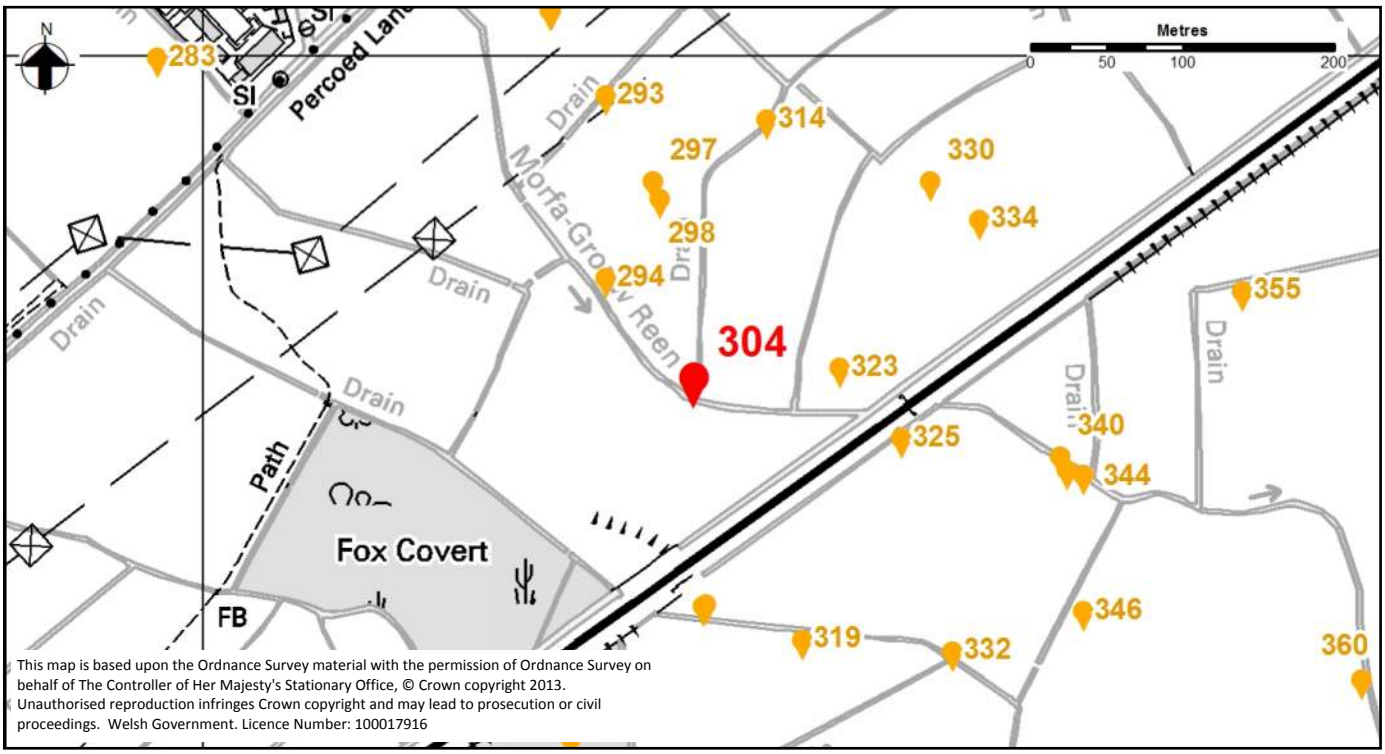

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	306	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Scrub

Target Note:

Bramble, hawthorn, oak, black thorn, goat willow

Potential for Protected Species:

Target Note Location Map:

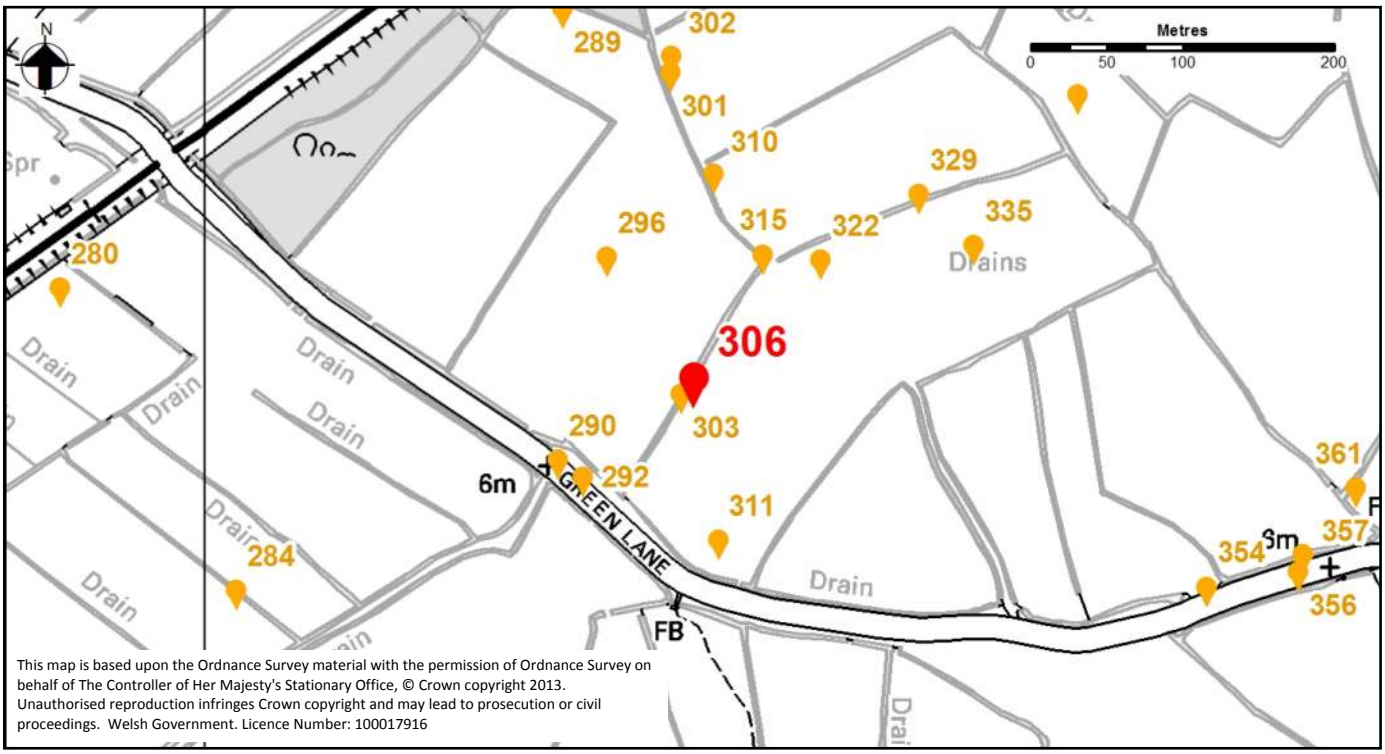

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	307	Date:	04-07-2014	GPS:	51.55, -3.02

Dominant Habitats:

Semi-improved neutral grassland: Yorkshire fog, common mouse-ear, sorrel, bird's foot trefoil, creeping buttercup, meadow buttercup, rough meadow grass, ragwort, rosebay willow herb, common vetch, hogweed, cleavers G. aparine, marsh thistle, wild parsnip

Potential for Protected Species:

Reptile

Target Note:

Semi-improved grassland with reptile potential

Target Note Location Map:

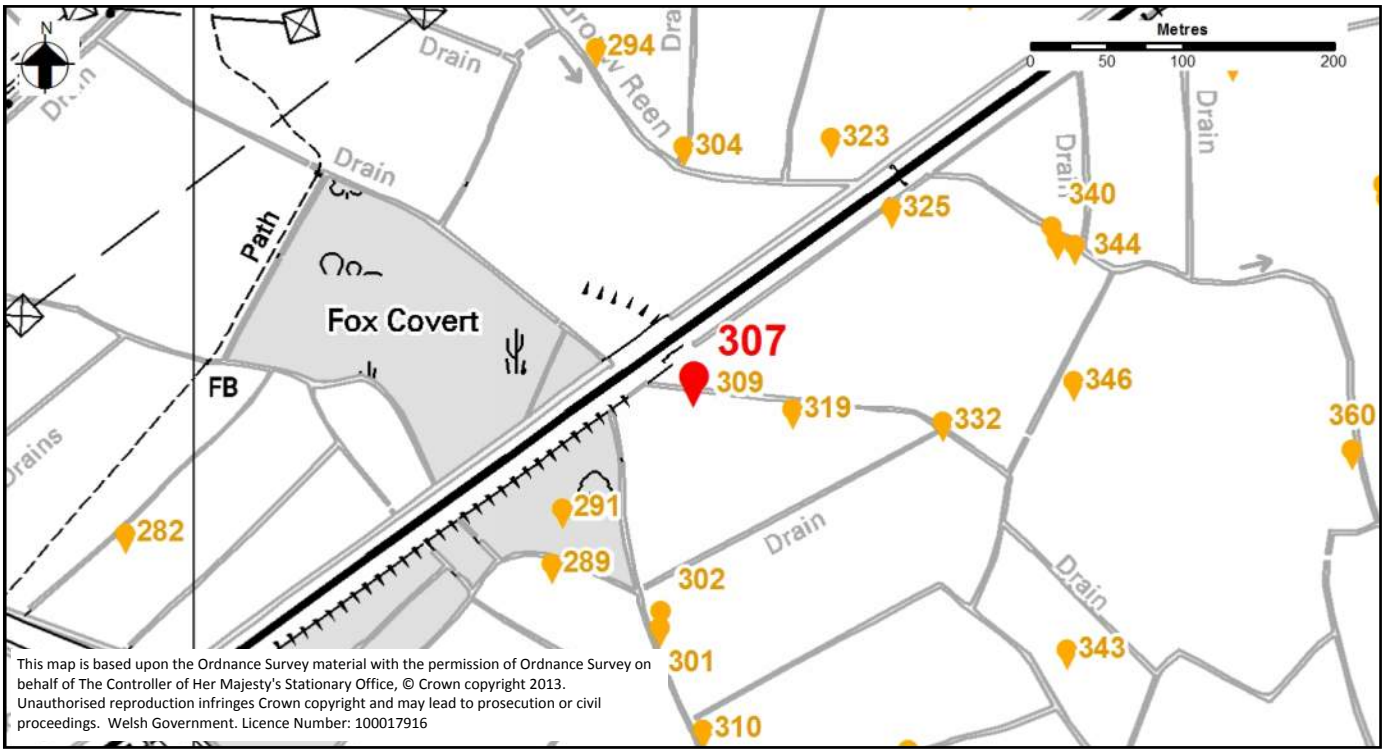

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	309	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Common mouse-ear, meadow buttercup, Yorkshire fog, nettle, bird's foot trefoil, bramble, marsh thistle, Poa trivialis.

Potential for Protected Species:

Target Note Location Map:

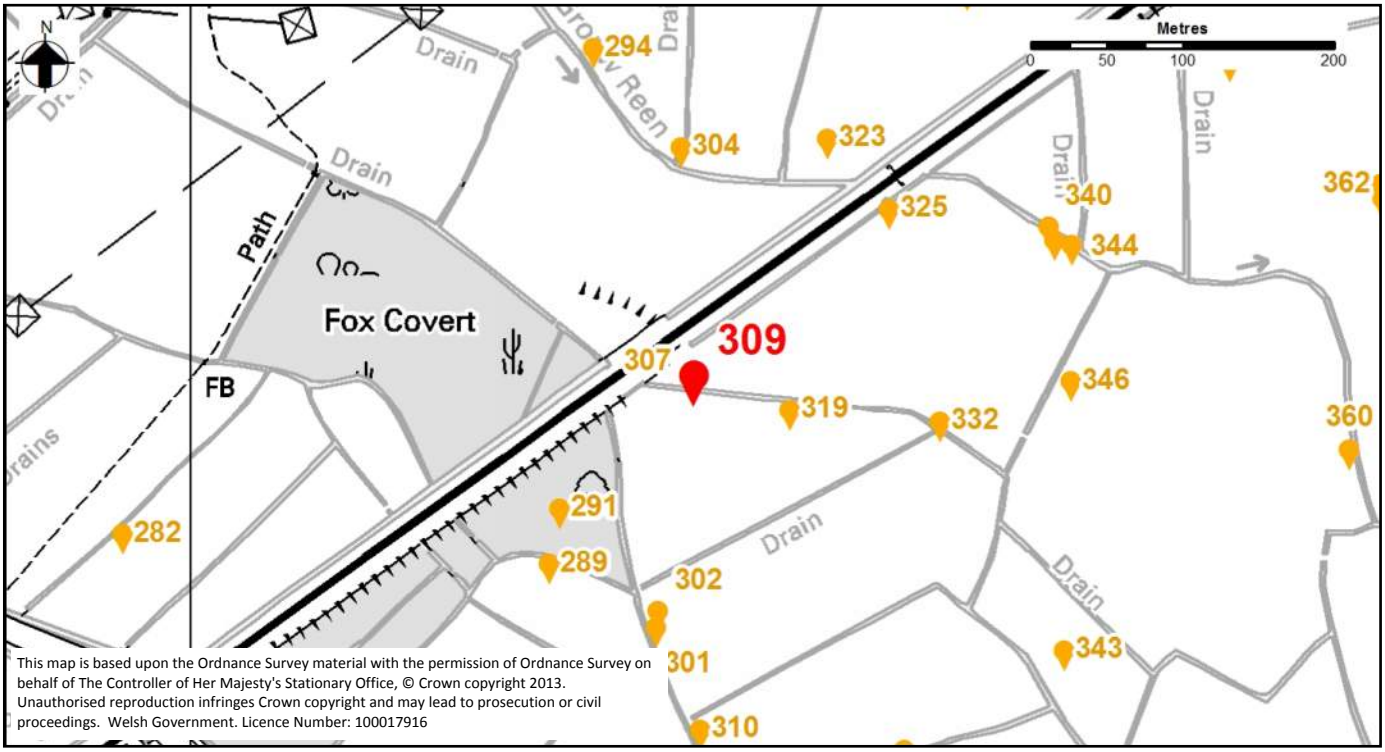

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	310	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Umbels, Phragmites, common nettle, blackthorn, bulrush

Potential for Protected Species:

Target Note Location Map:

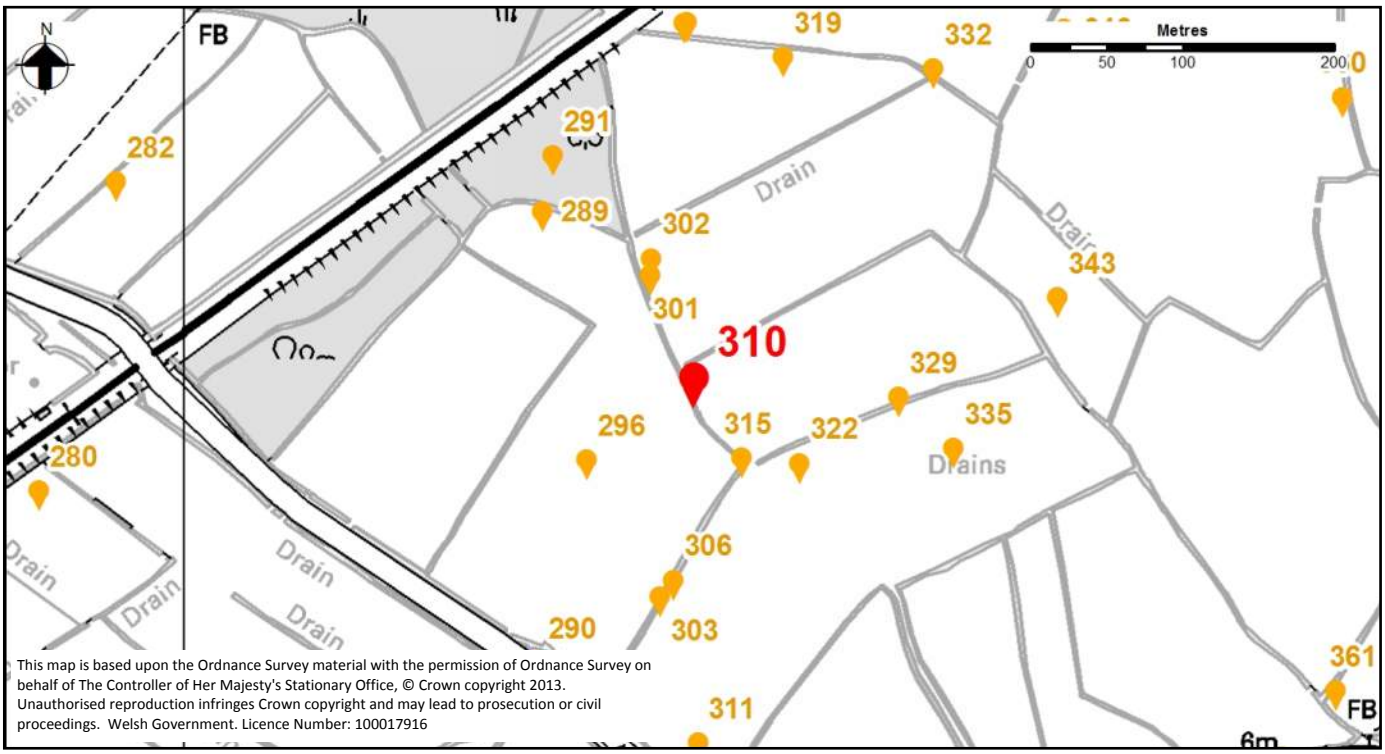

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	311	Date:	02-07-2014	GPS:	51.54, -3.02

Dominant Habitats:

Poor semi-improved grassland field with wetter area in middle

Potential for Protected Species:

Lapwing but unlikely breeding

Target Note:

Lapwing in middle of field calling, flew up then back down in similar place.

Target Note Location Map:

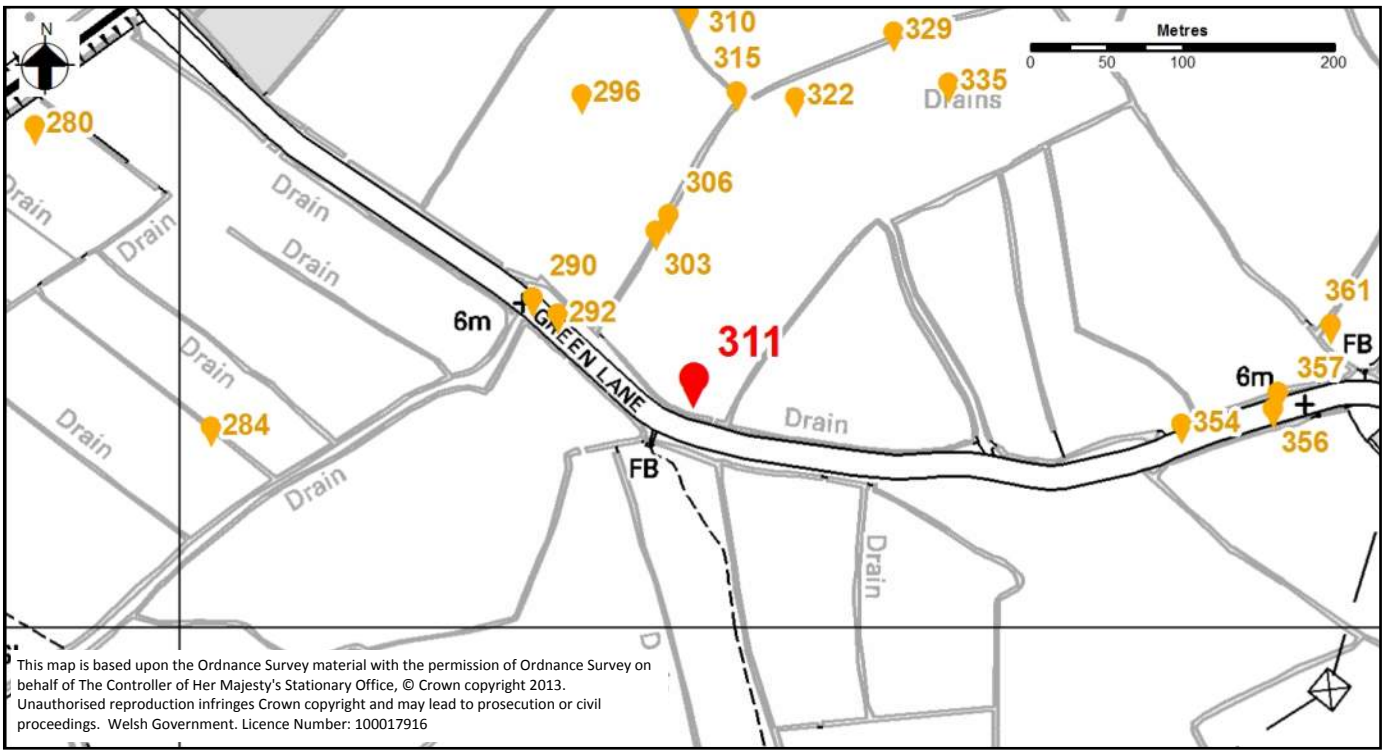

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	312	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, Juncus, purple loosestrife, dogrose, hogweed.

Potential for Protected Species:

Target Note Location Map:

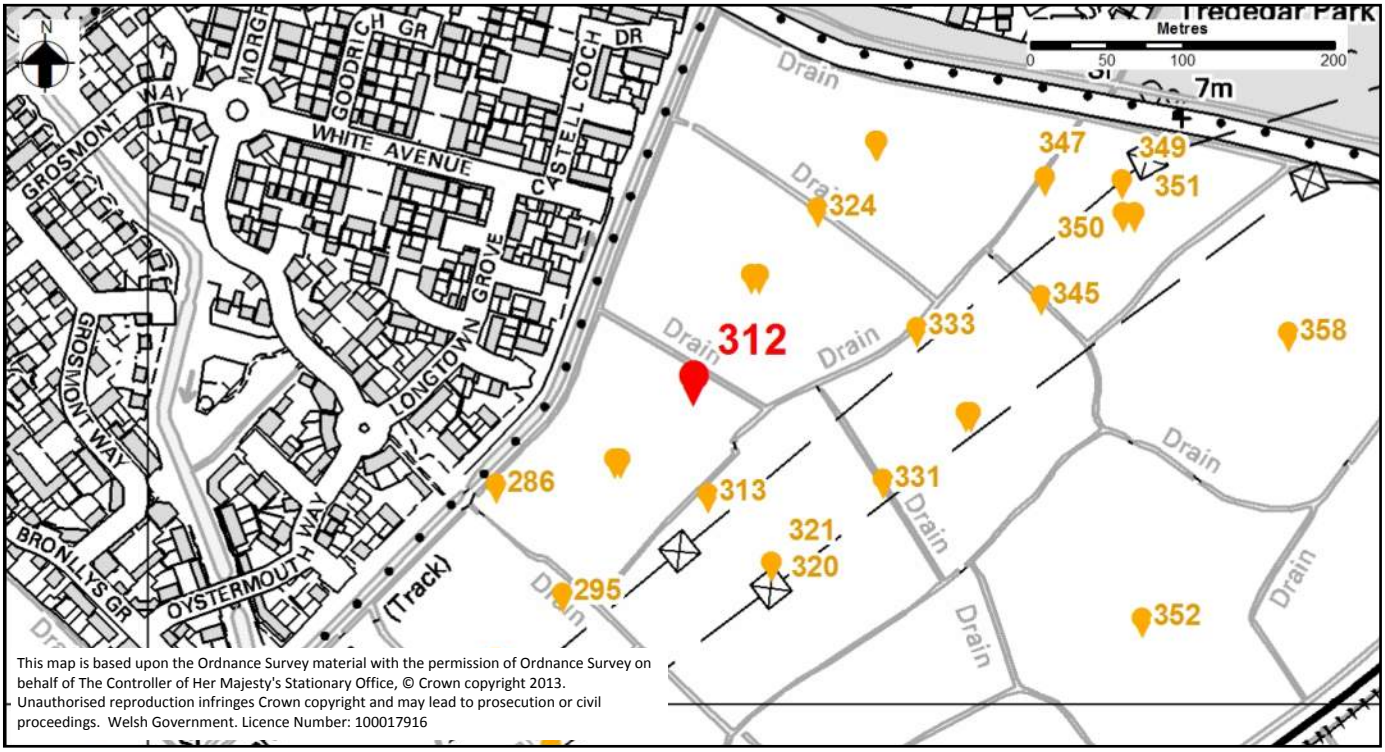

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	313	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, bramble, hedge bindweed, woody nightshade, willowherb, Juncus sp., vetch, dogrose, hawthorn

Potential for Protected Species:

Target Note Location Map:

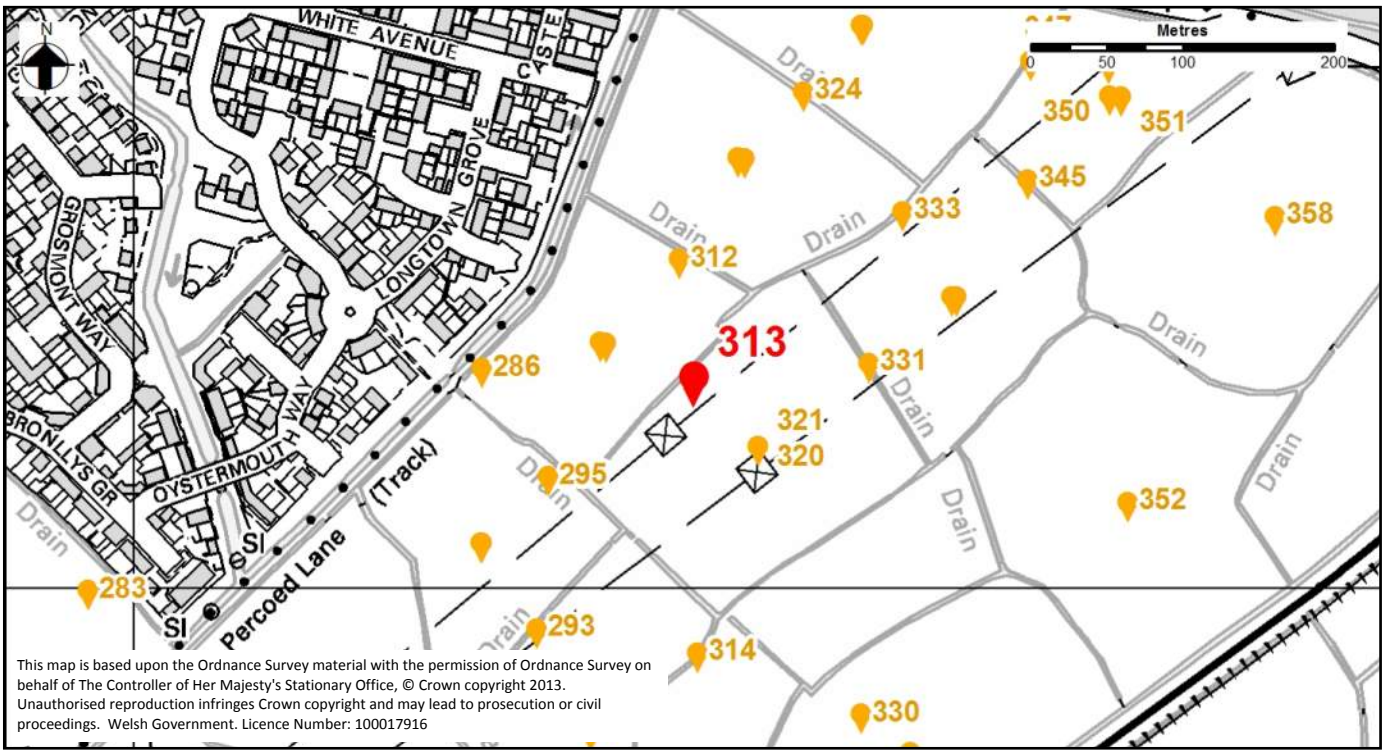

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	314	Date:	25-09-2014	GPS:	51.55, -3.02

Dominant Habitats:

Arable

Target Note:

Barn owl pellet

Potential for Protected Species:

Barn owl

Target Note Location Map:

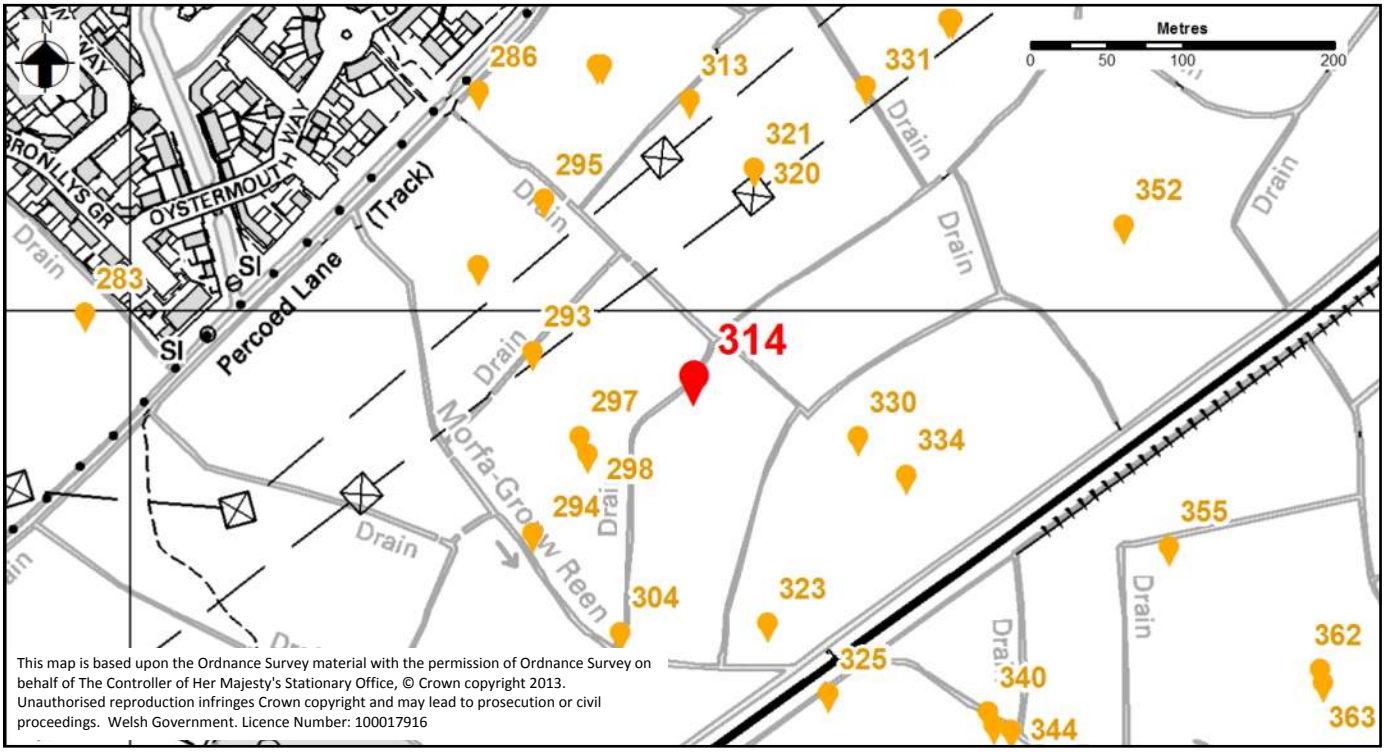

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	315	Date:	02-07-2014 14:37	GPS:	51.54, -3.02

Dominant Habitats:

Hedgerow

Target Note:

Oaks trees with bat potential

Potential for Protected Species:

Bats

Target Note Location Map:

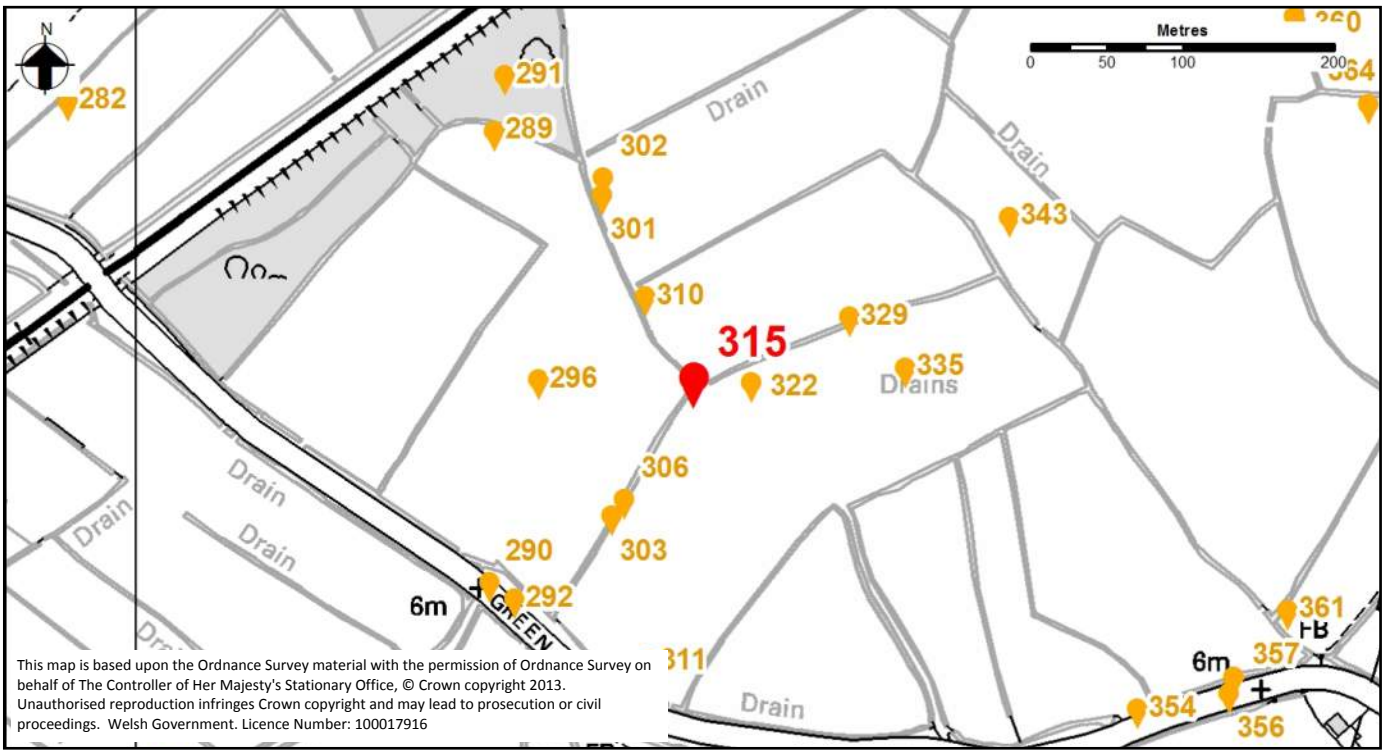

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	317	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Sedge, dock sp., meadow buttercup, willowherb, scentless mayweed, black medick, red clover, redshank

Potential for Protected Species:

Target Note Location Map:

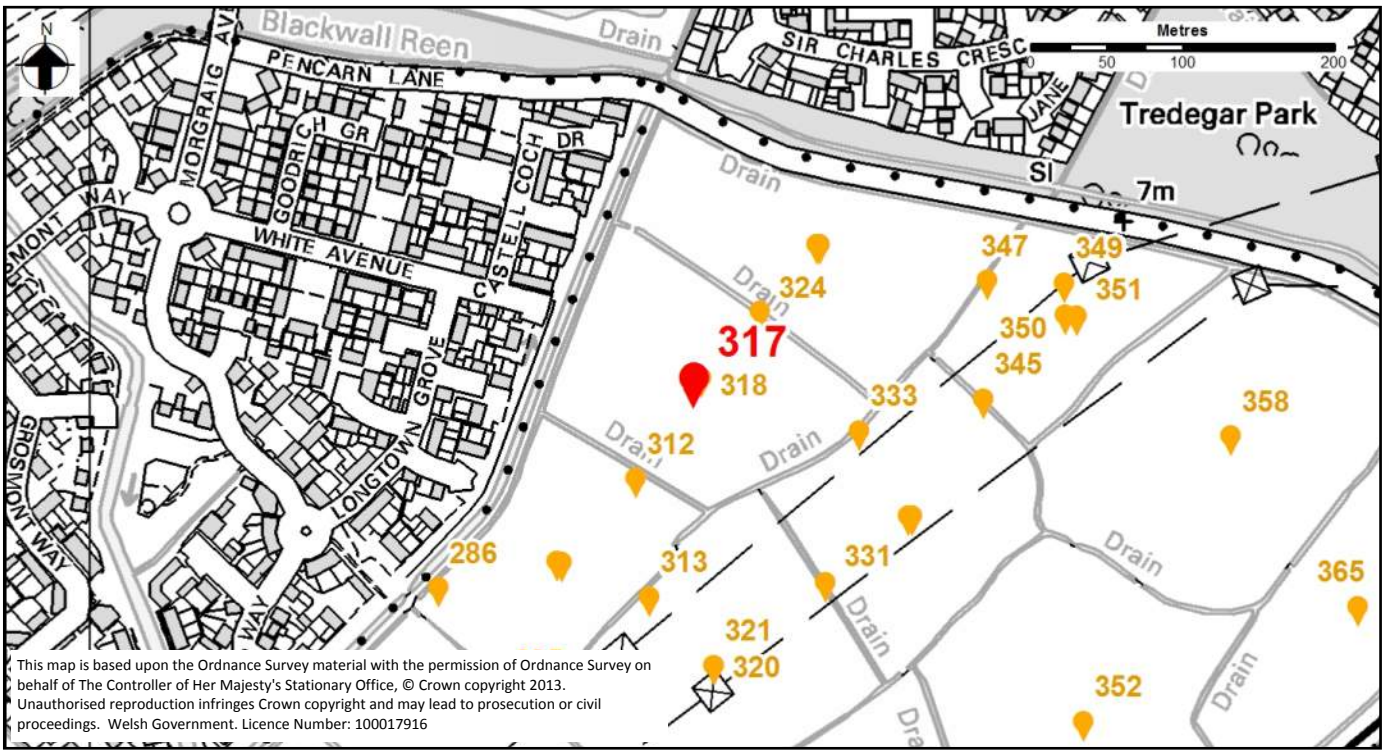

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	318	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Sedge, dock sp., meadow buttercup, willowherb, scentless mayweed, black medick, red clover, redshank

Potential for Protected Species:

Target Note Location Map:

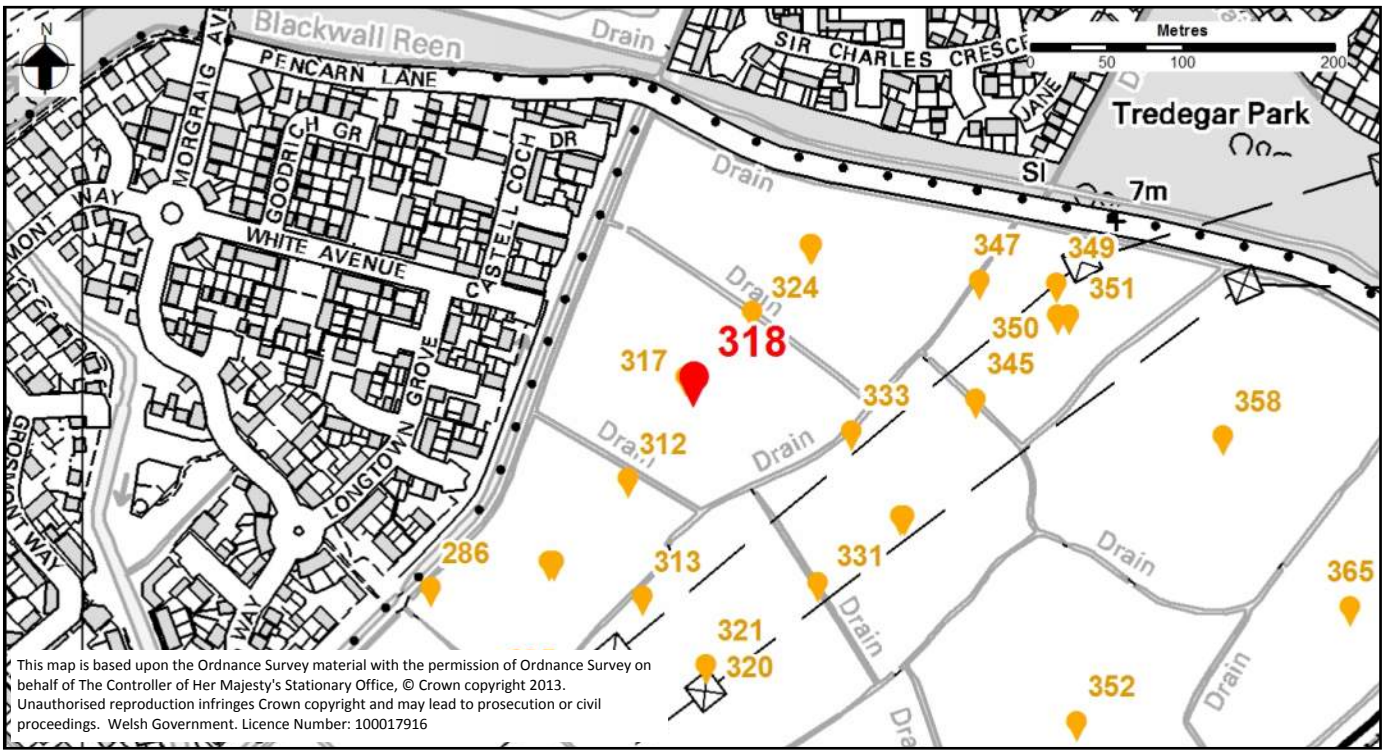

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	319	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites dominated

Potential for Protected Species:

Target Note Location Map:

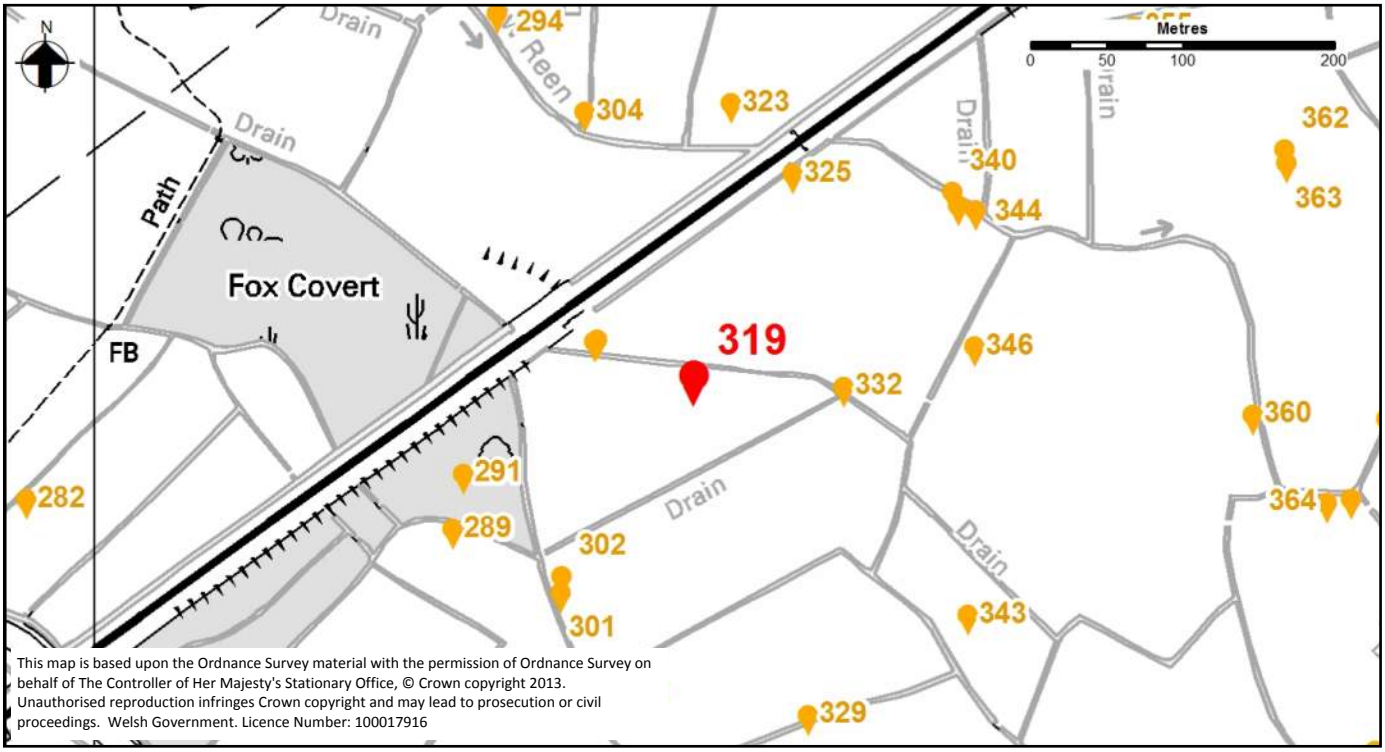

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	320	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Ragwort, vetch, meadow foxtail, sedge, dock sp., Meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

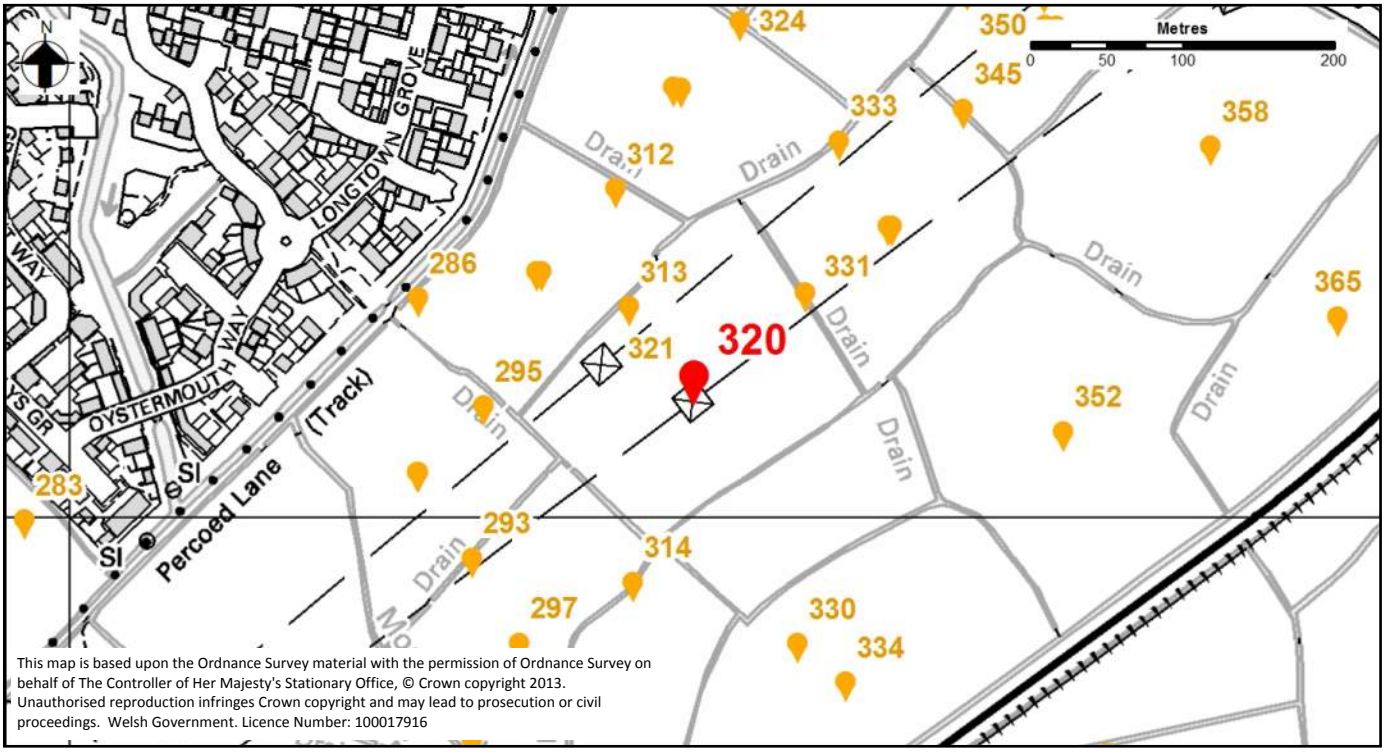

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	321	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Ragwort, vetch, meadow foxtail, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

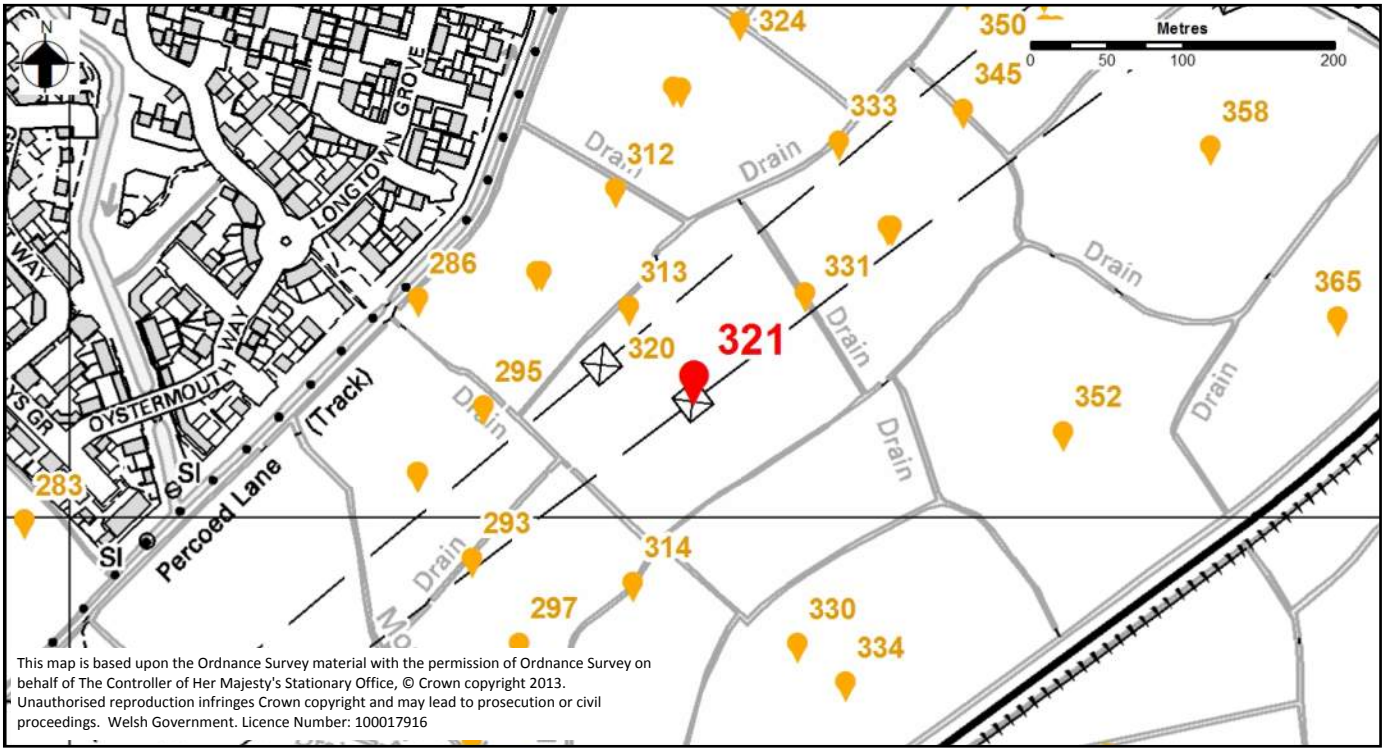

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	322	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Nettle, willow herb, dock, goose grass

Potential for Protected Species:

Target Note Location Map:

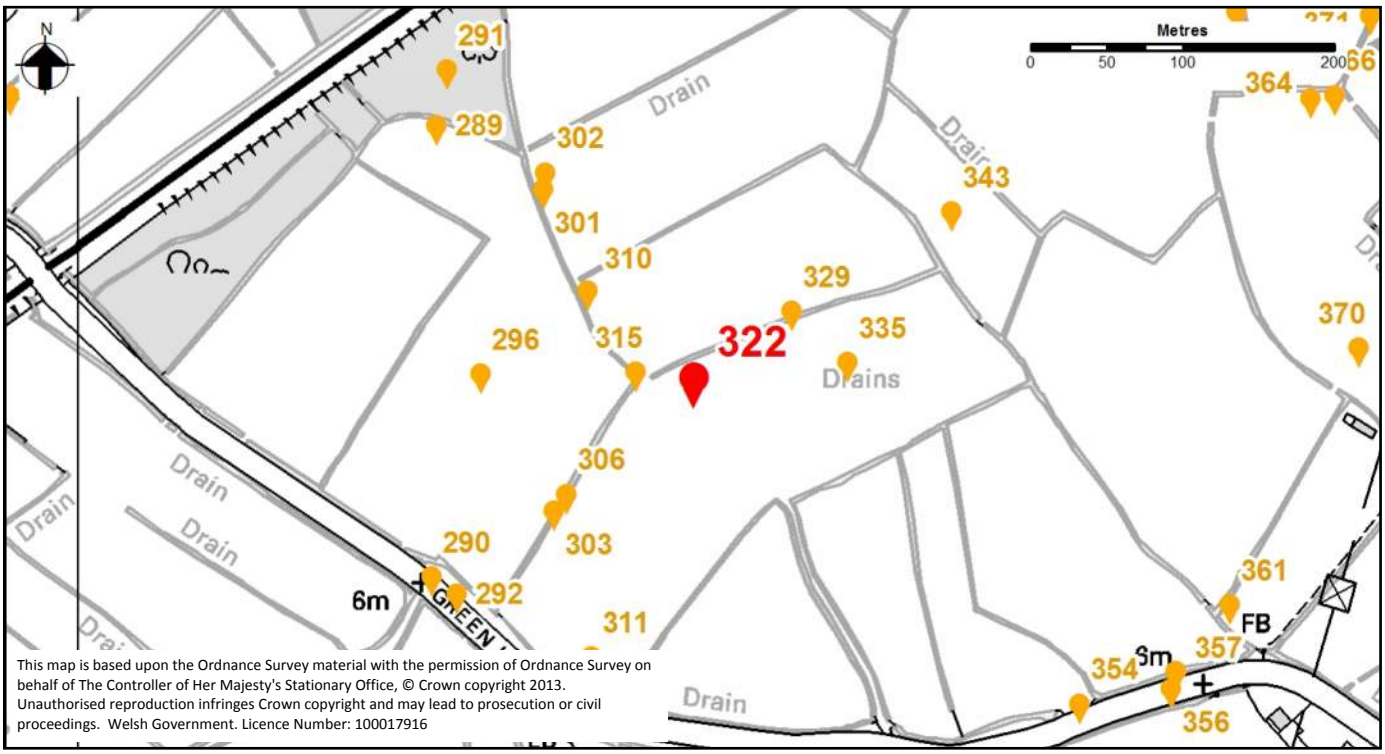

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	323	Date:	09-04-2014	GPS:	51.55, -3.02

Dominant Habitats:

Cultivated/disturbed land - arable

Target Note:

Arable field

Potential for Protected Species:

3 lapwing pairs, possibly breeding

Target Note Location Map:

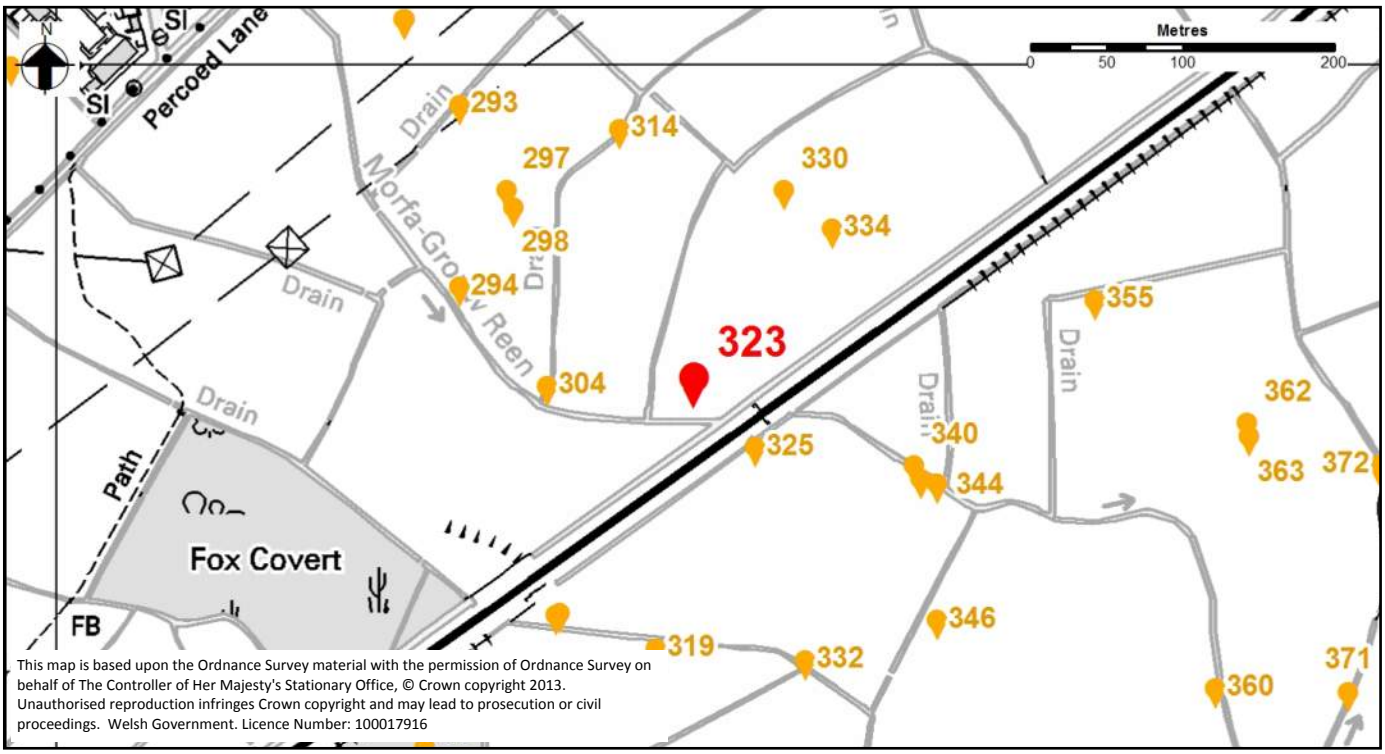

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	324	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, reed sweet grass, common nettle, pendunculate oak, bramble, willowherb, willow, horsetail

Potential for Protected Species:

Target Note Location Map:

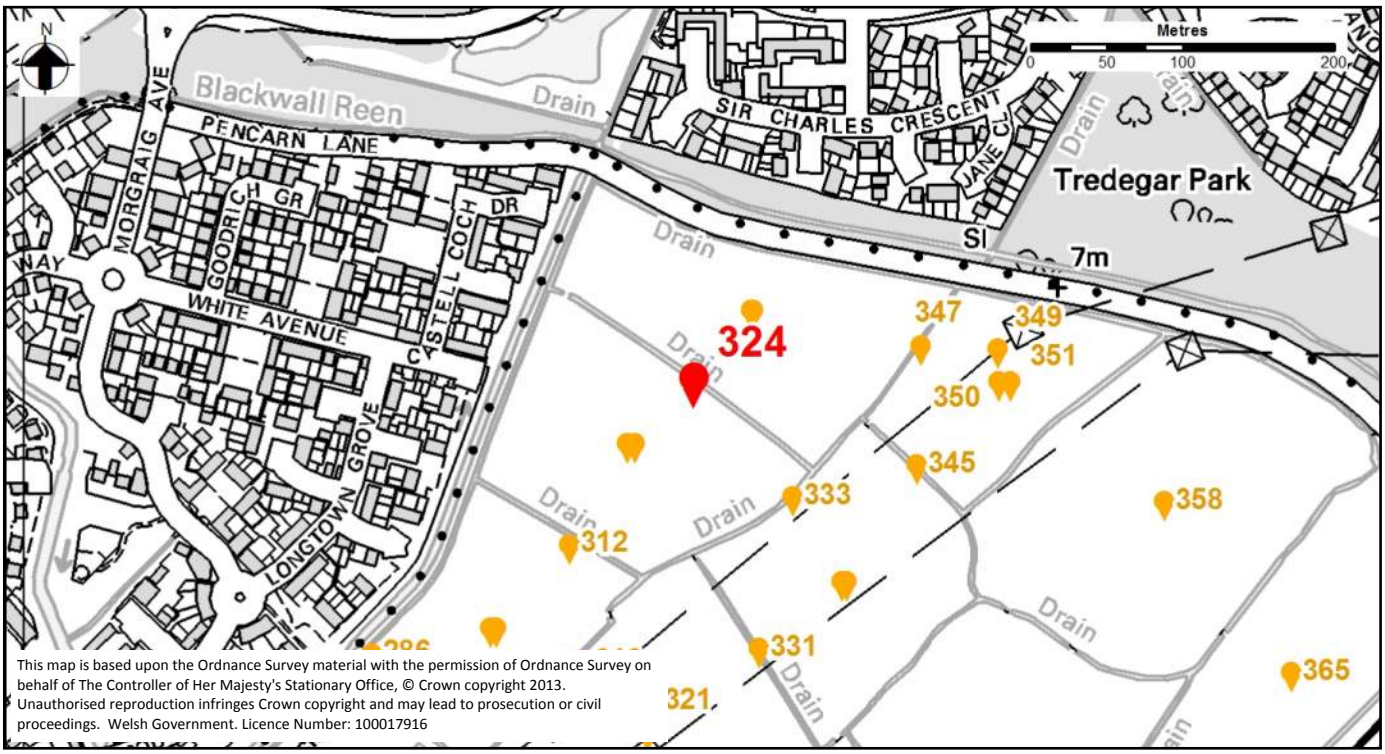

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	325	Date:	04-07-2014	GPS:	51.55, -3.02

Dominant Habitats:

Aquatic vegetation: Frogbit, duckweed, iris, sedge

Potential for Protected Species:

Great crested newt

Target Note:

Wet ditch and culvert with great crested newt potential - duckweed present

Target Note Location Map:

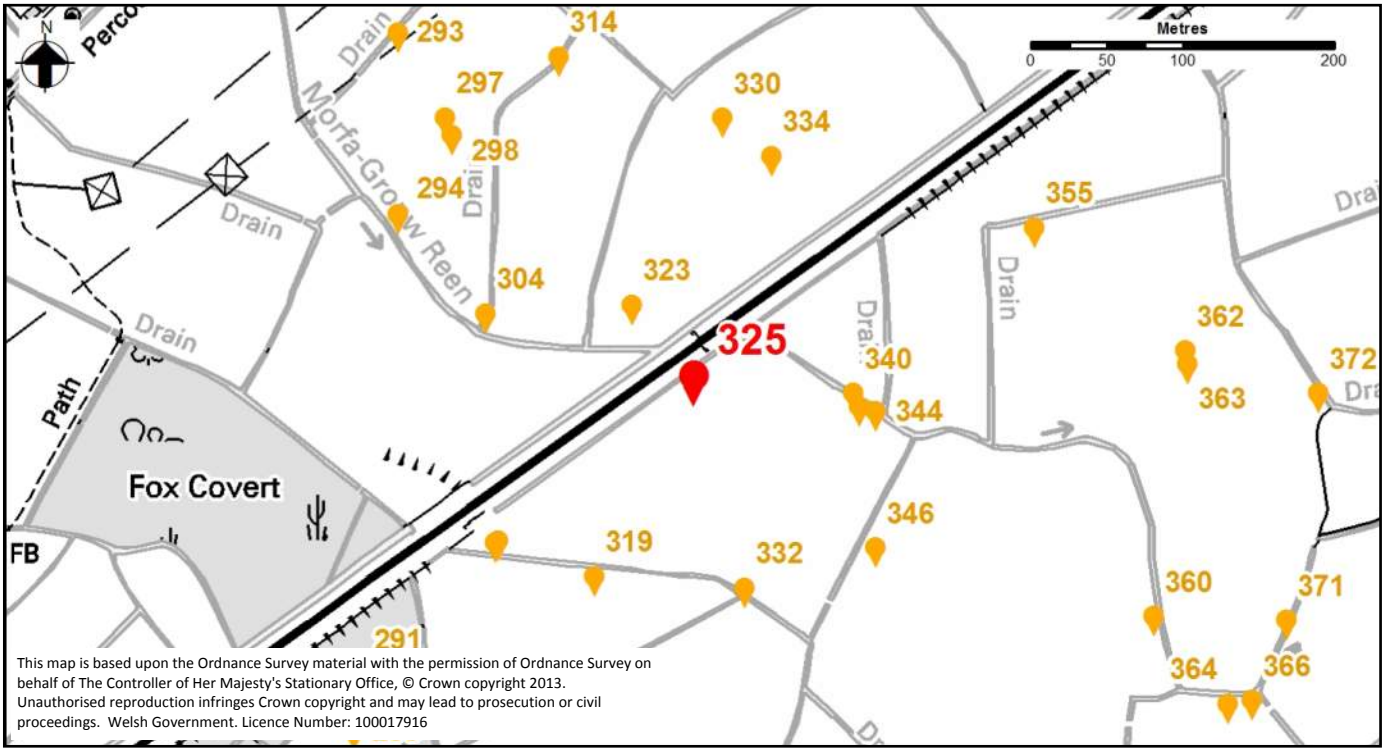

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	327	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Sedge, dock sp., meadow buttercup, willowherb, scentless mayweed, black medick, red clover, redshank

Potential for Protected Species:

Target Note Location Map:

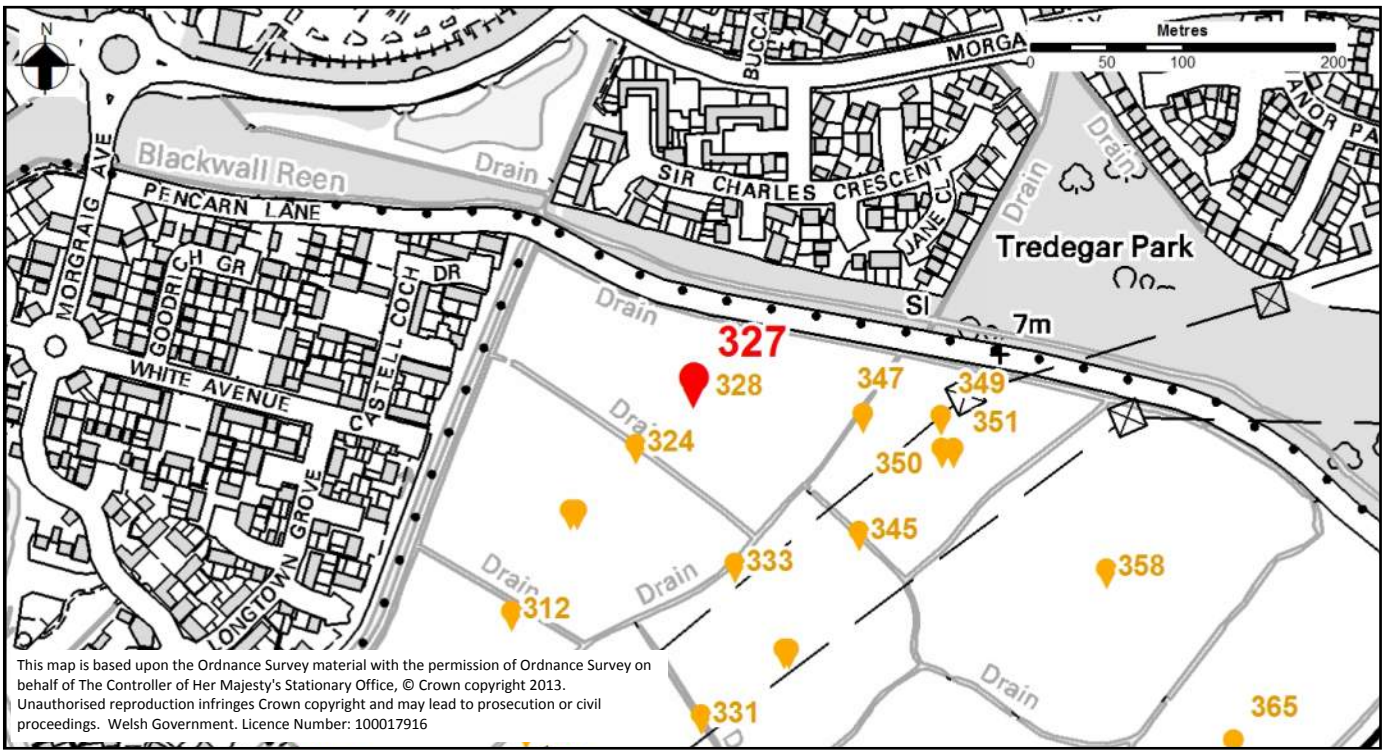

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	328	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Sedge, dock sp., meadow buttercup, willowherb, scentless mayweed, black medick, red clover, redshank

Potential for Protected Species:

Target Note Location Map:

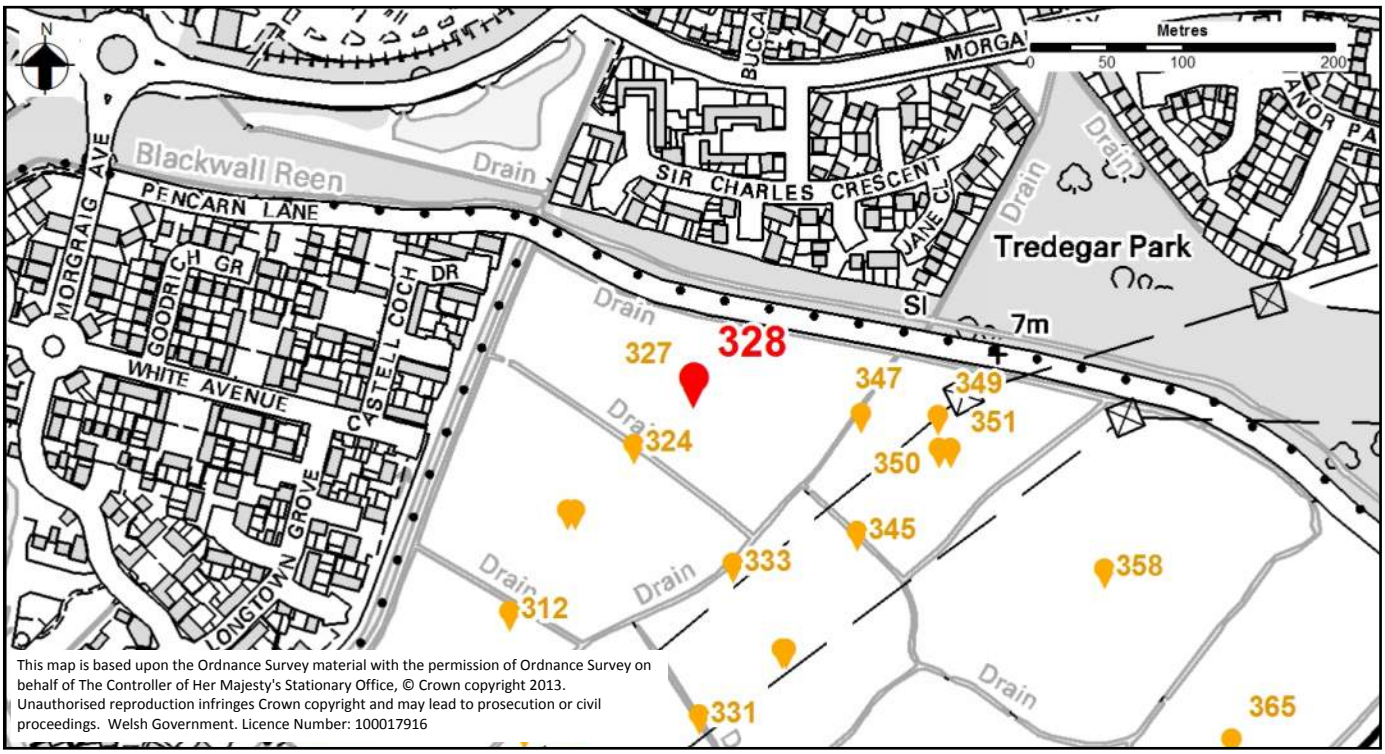

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	329	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Bramble, oak, hawthorn, blackthorn, goat willow

Potential for Protected Species:

Target Note Location Map:

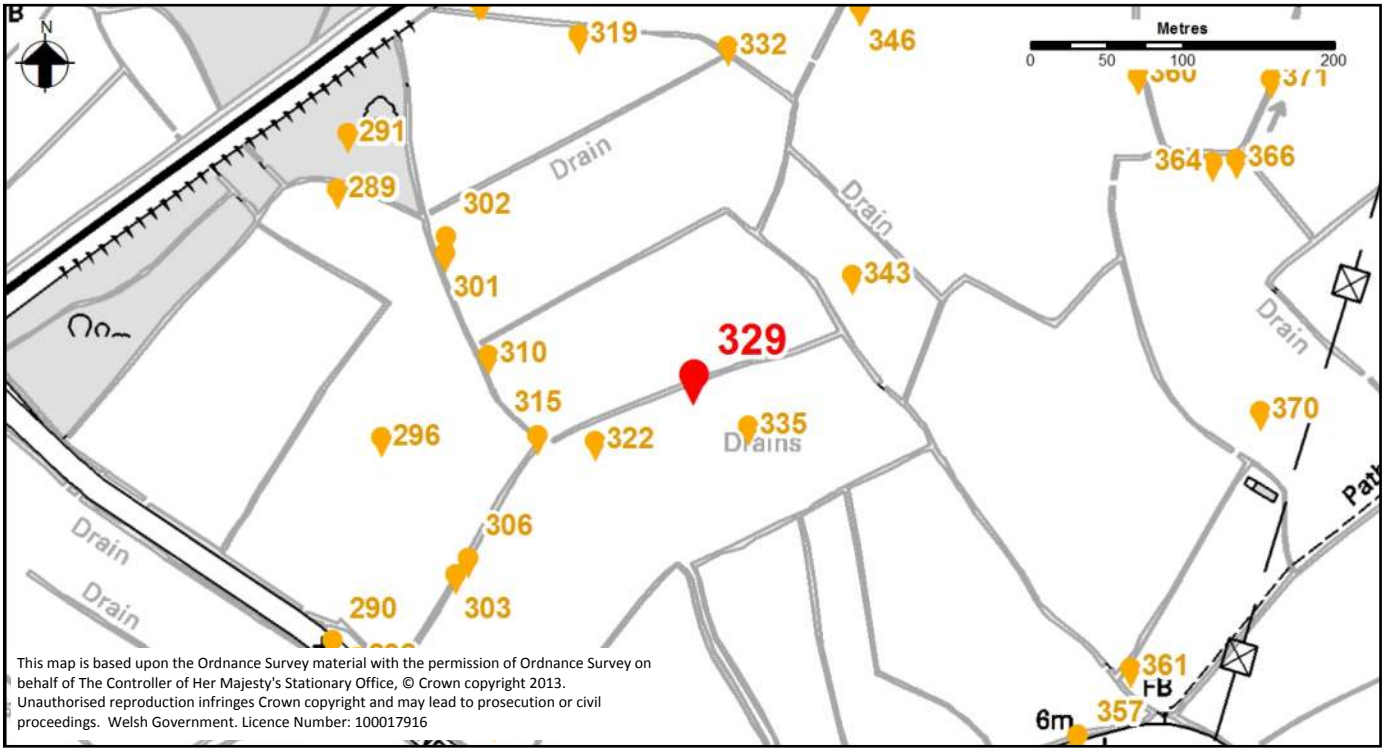

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	330	Date:	09-04-2014	GPS:	51.55, -3.02

Dominant Habitats:

Poor semi-improved, running water

Potential for Protected Species:

Vole lawns at top of bank, previous water vole records in this area

Target Note:

Reen in semi-improved grassland

Target Note Location Map:

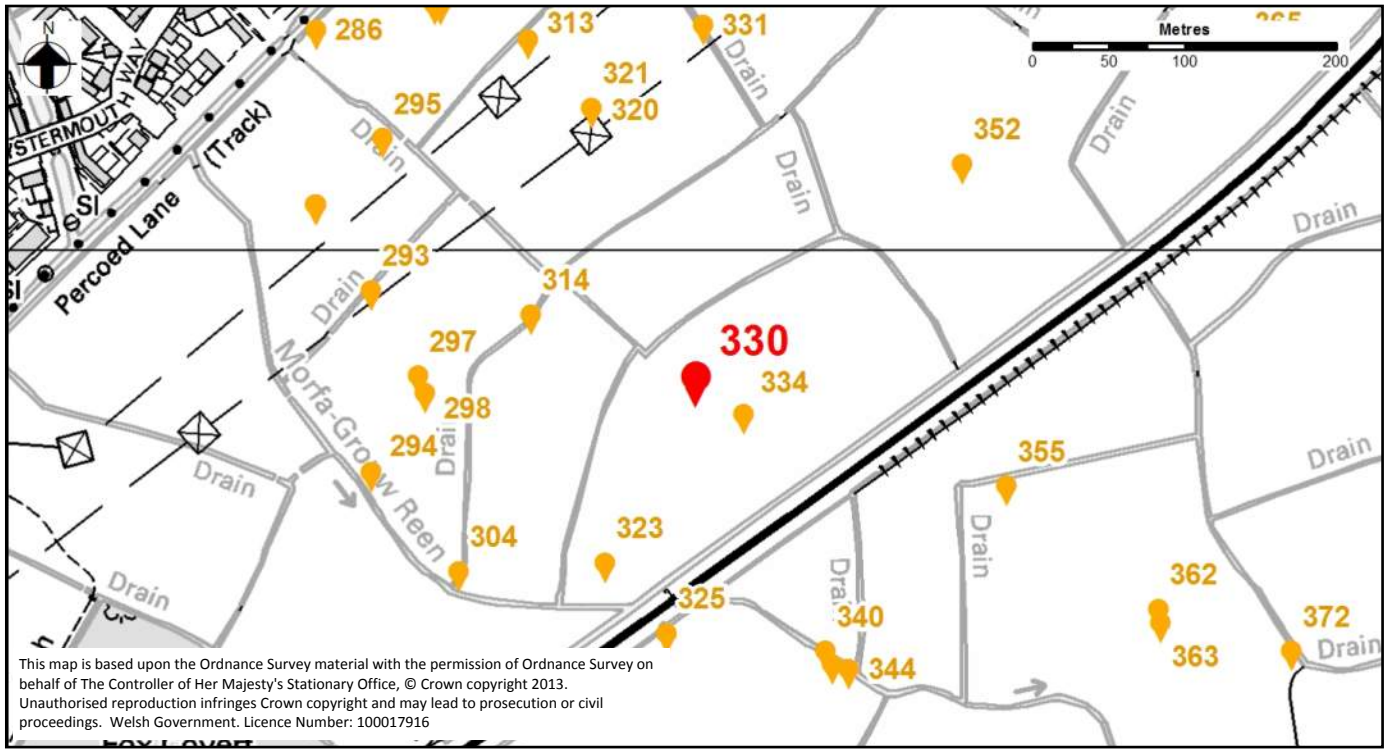

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	331	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, hedge bindweed, vetch, willow, reed mace, Juncus, dogrose

Potential for Protected Species:

Target Note Location Map:

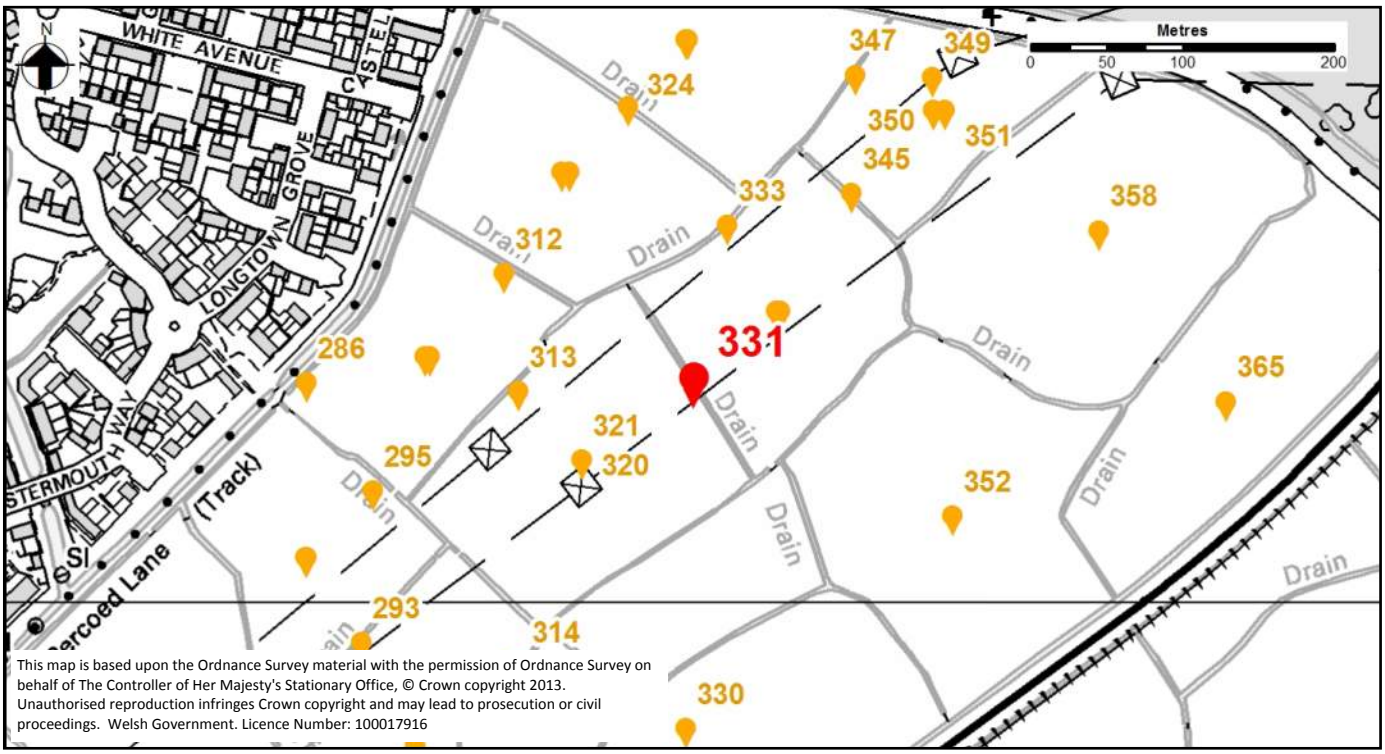

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	332	Date:	09-04-2014	GPS:	51.55, -3.02

Dominant Habitats:

Cultivated/disturbed land - arable

Target Note:

Fallow field

Potential for Protected Species:

Lapwing flying overhead and calling

Target Note Location Map:

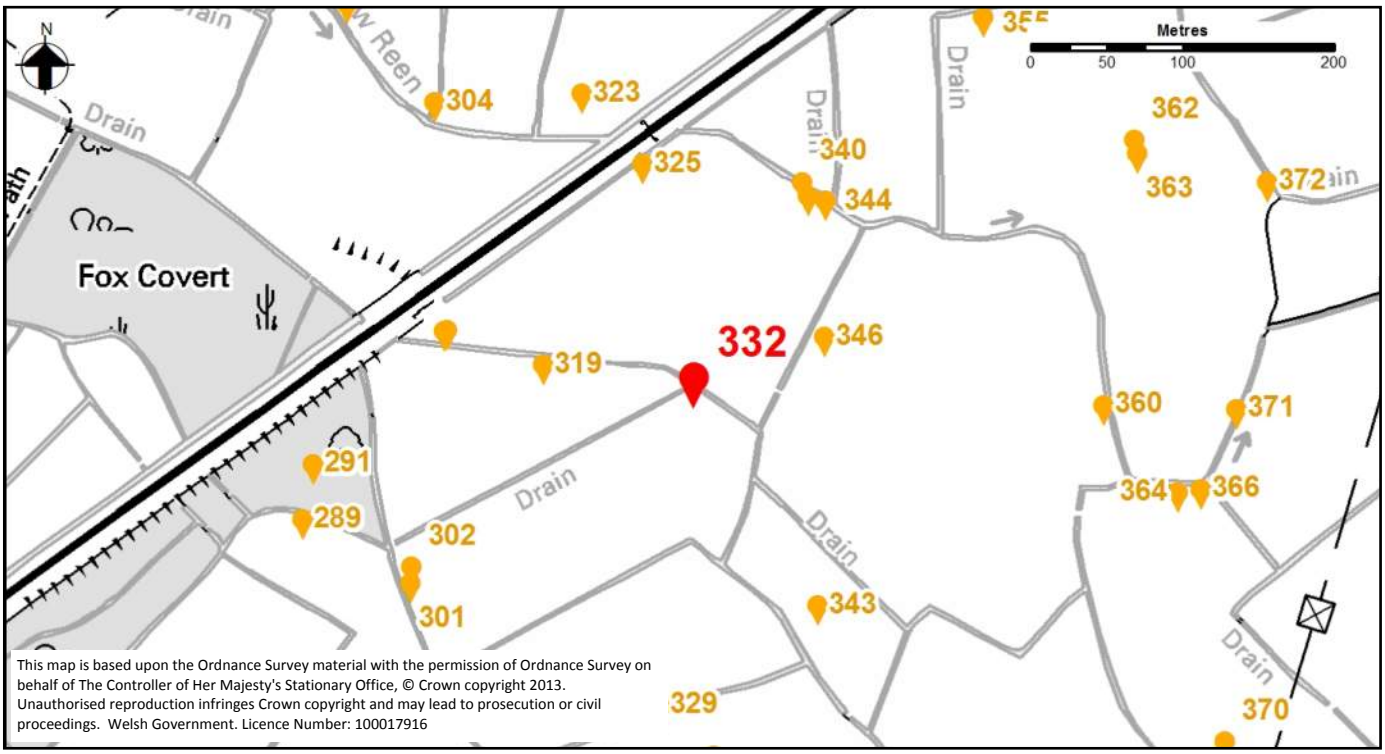

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	333	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Hemlock water dropwort, bramble, dogrose, purple loosestrife, soft rush, reed sweet grass, hawthorn

Potential for Protected Species:

Target Note Location Map:

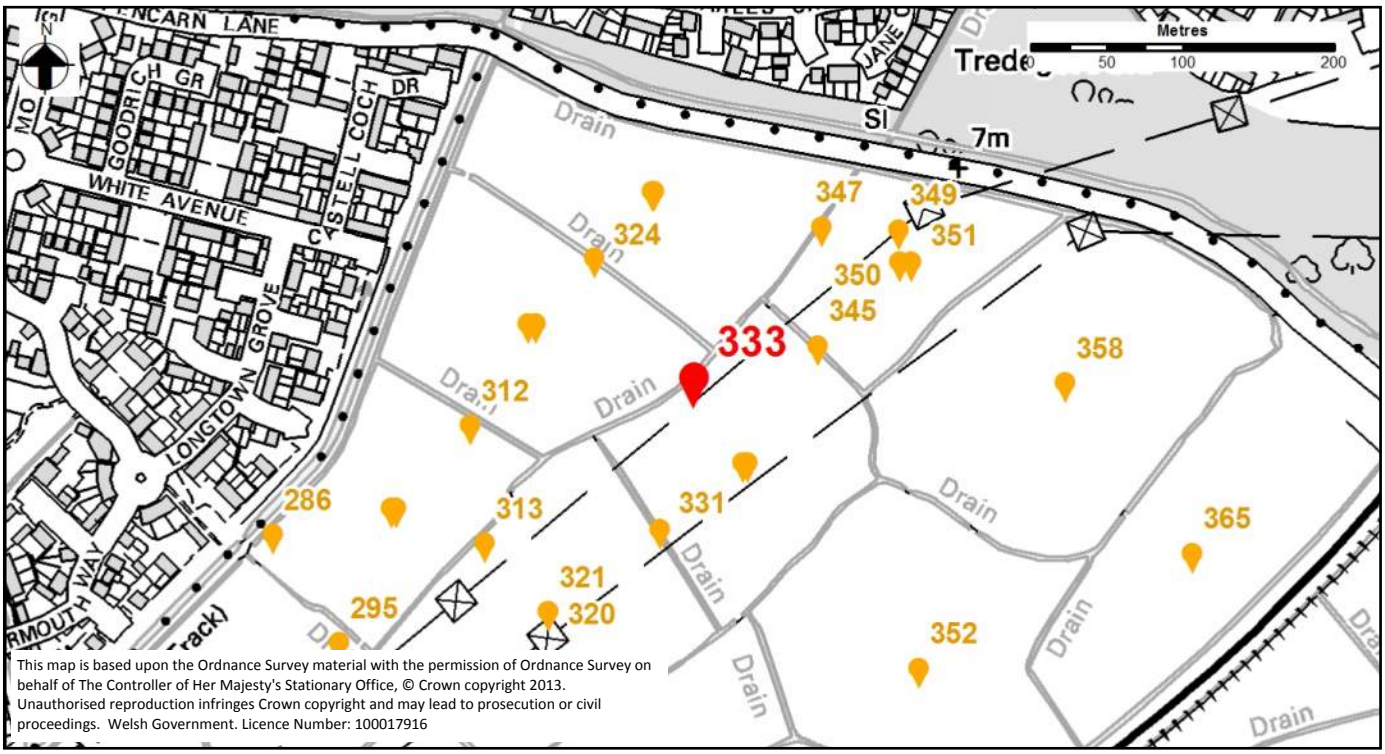

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	334	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Annual meadowgrass, perennial rye grass, dandelion, white clover, nettle, timothy grass

Potential for Protected Species:

Target Note Location Map:

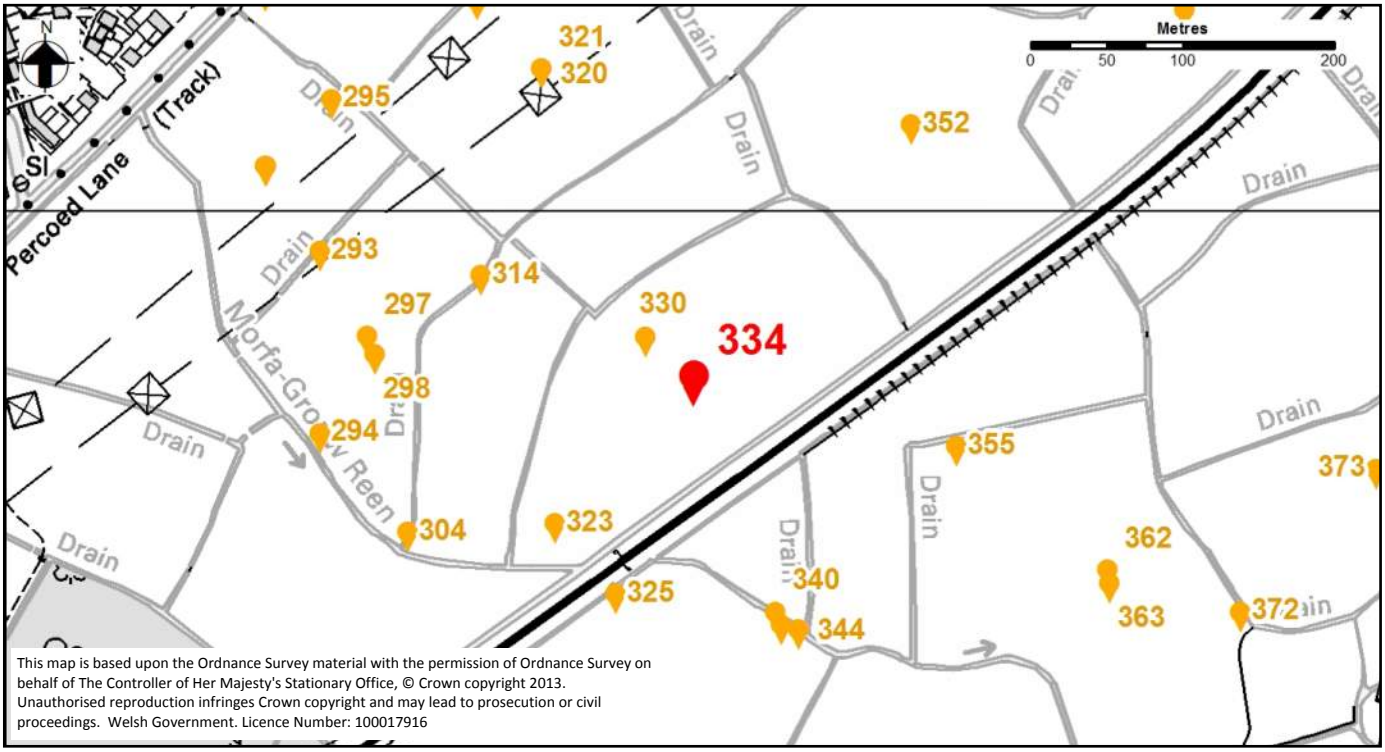

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	335	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Red fox sighted

Potential for Protected Species:

Target Note Location Map:

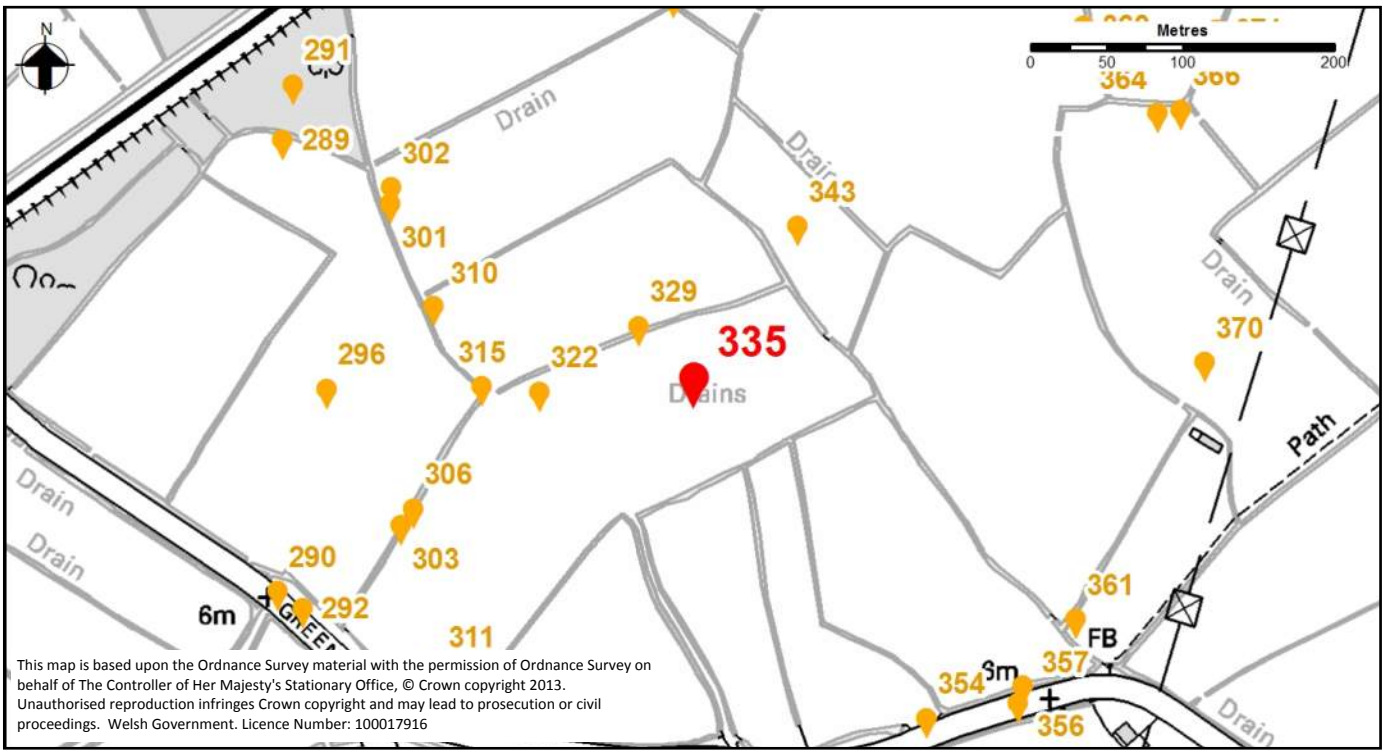

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	338	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Prickly lettuce, sedge sp., dock sp., meadow buttercup, willowherb, scentless mayweed, black medick, red clover

Potential for Protected Species:

Target Note Location Map:

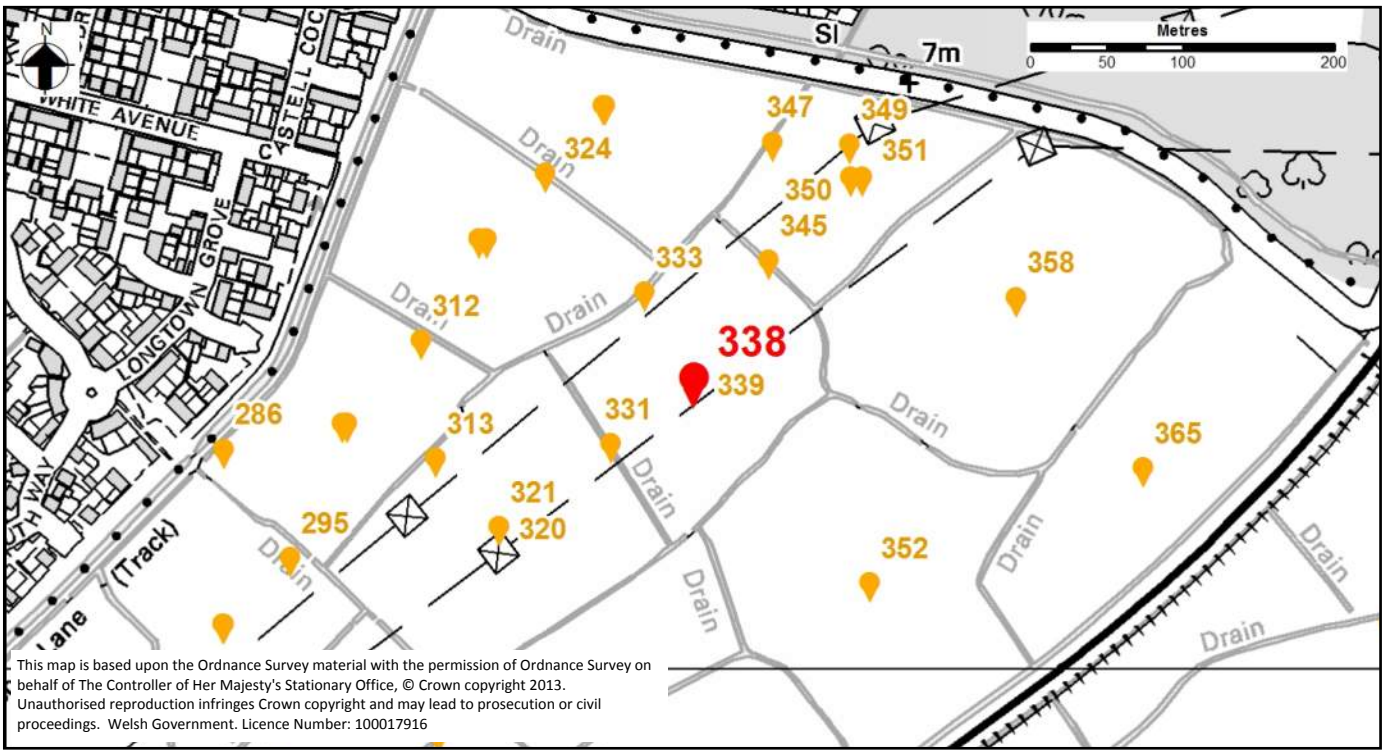

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	339	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Prickly lettuce, sedge, dock sp., meadow buttercup, willowherb, scentless mayweed, black medick

Potential for Protected Species:

Target Note Location Map:

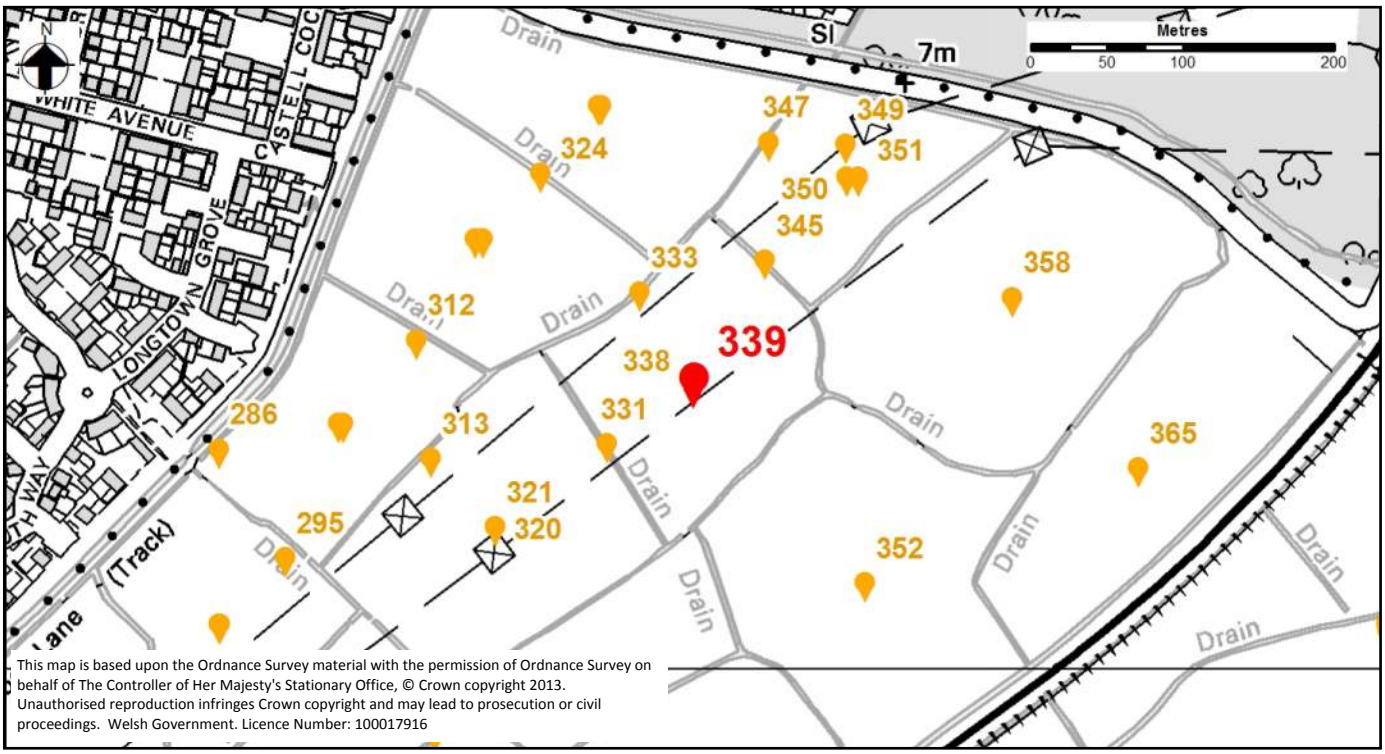

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	340	Date:	04-07-2014	GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Grass snake skin

Potential for Protected Species:

Grass Snake

Target Note Location Map:

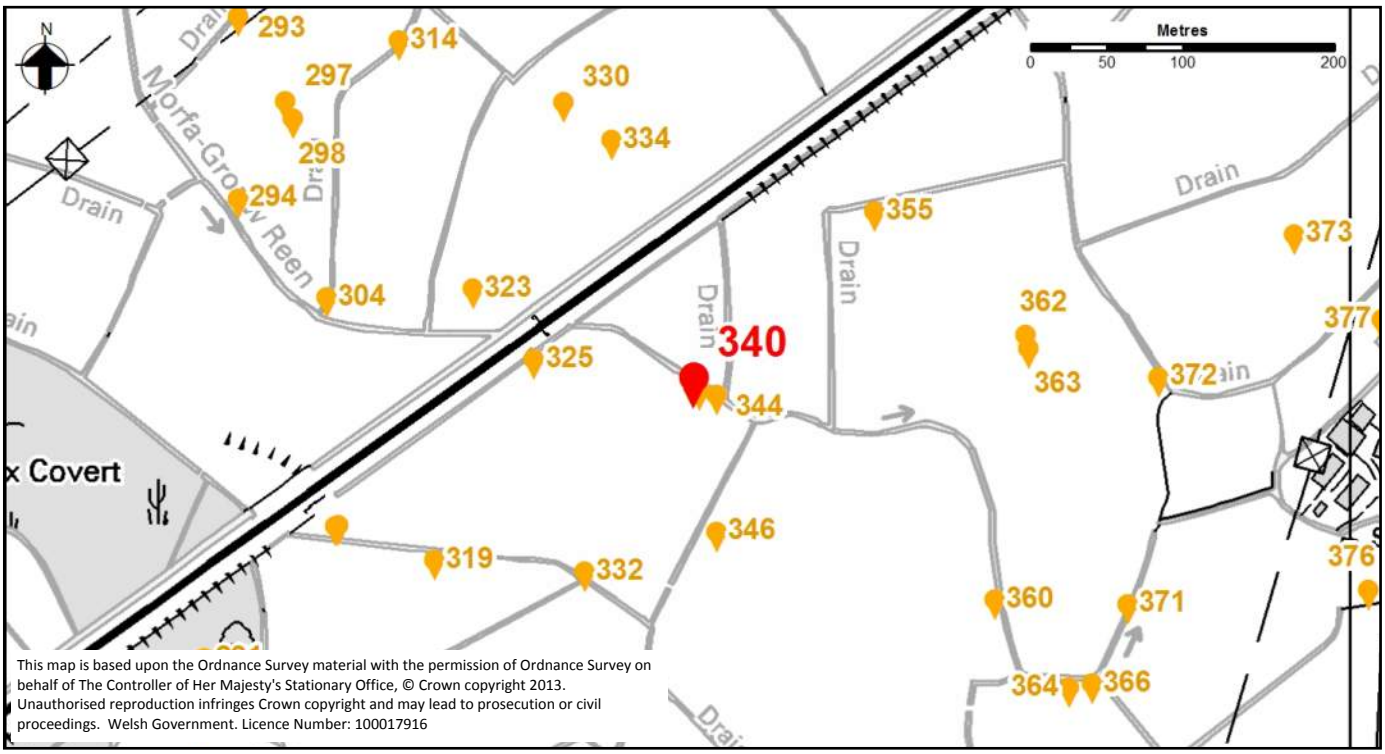

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	341	Date:	04-07-2014	GPS:	51.55, -3.02

Dominant Habitats:

Marginal species: common reed, bulrush, meadow thistle, false oat grass, fine leaved water dropwort, red clover, speedwell species

Potential for Protected Species:

Water vole

Target Note:

Marginal vegetation

Target Note Location Map:

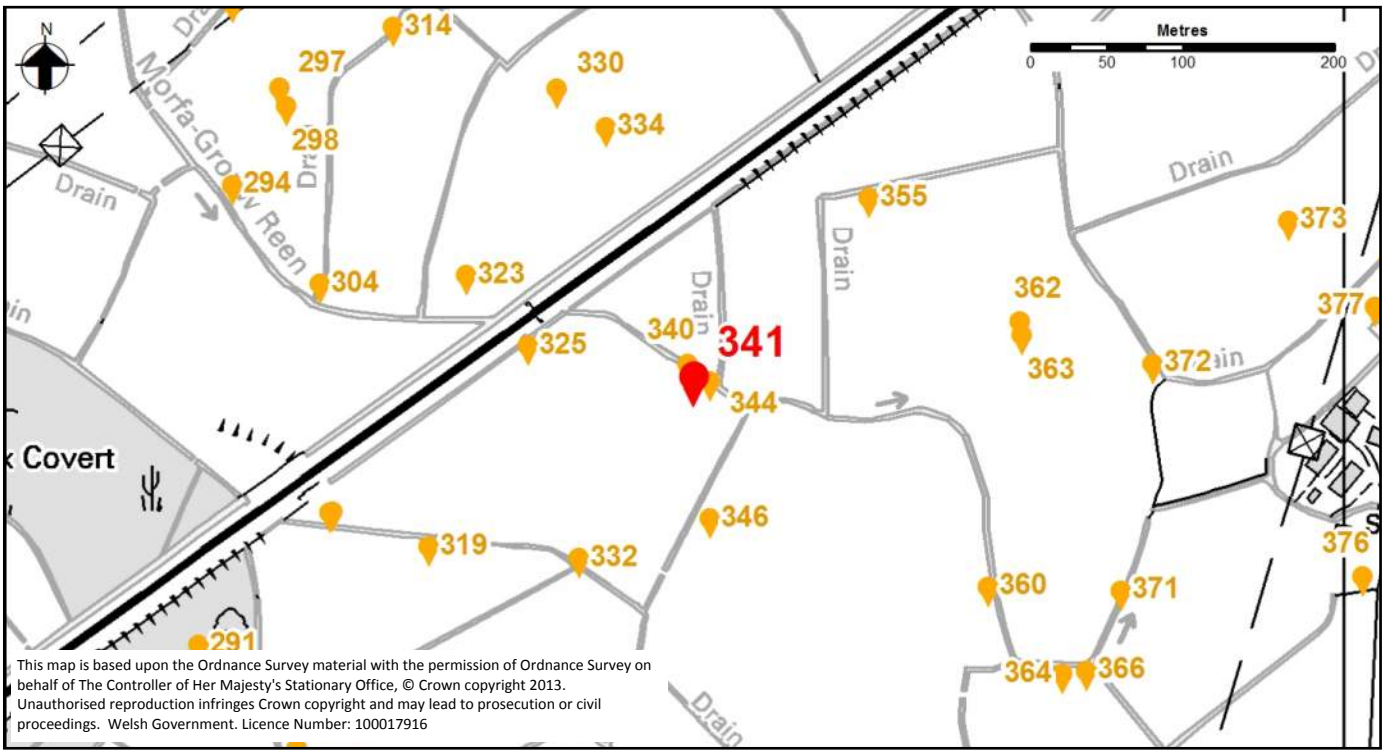

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	343	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Rye, curled dock

Potential for Protected Species:

Target Note Location Map:

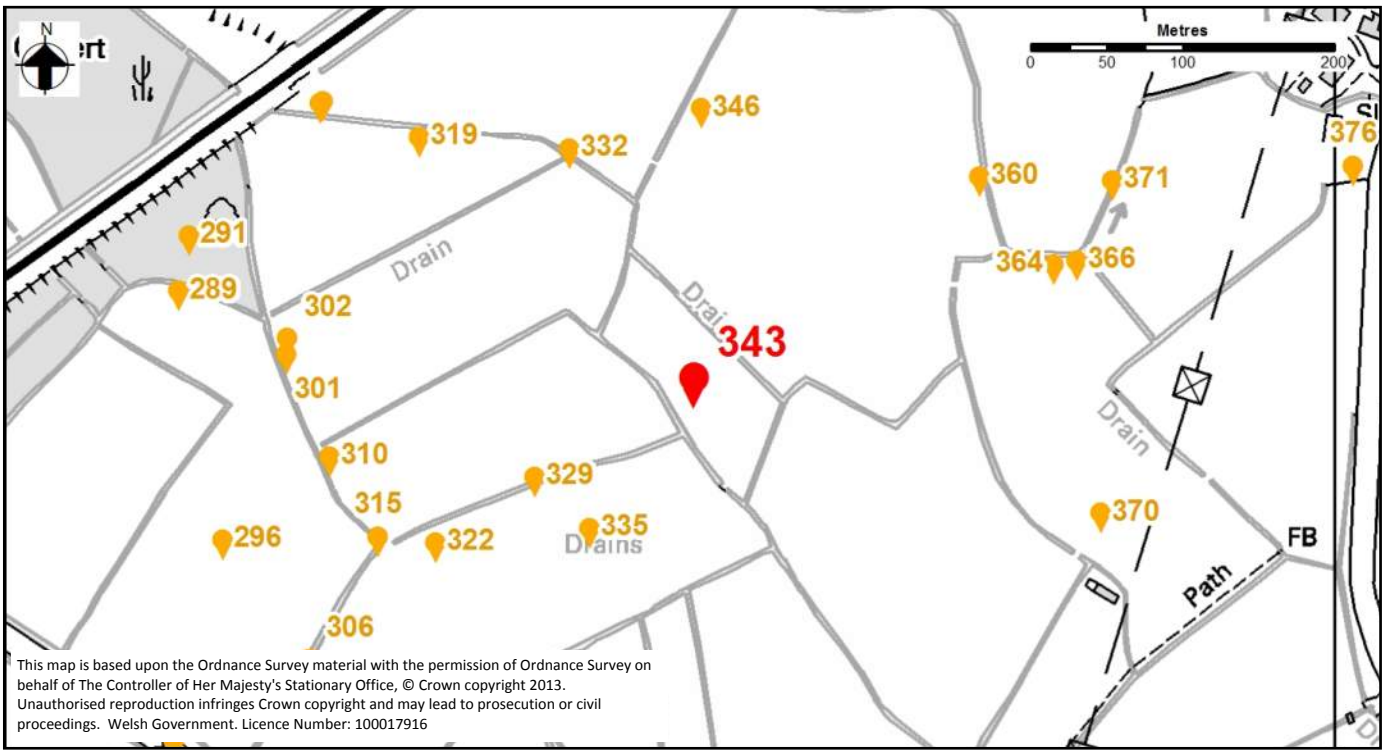

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	344	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Perennial rye grass, Poa trivialis, cock's foot, Yorkshire fog, dock, meadow buttercup, foxtail, crested dog's tail, false oatgrass

Potential for Protected Species:

Target Note Location Map:

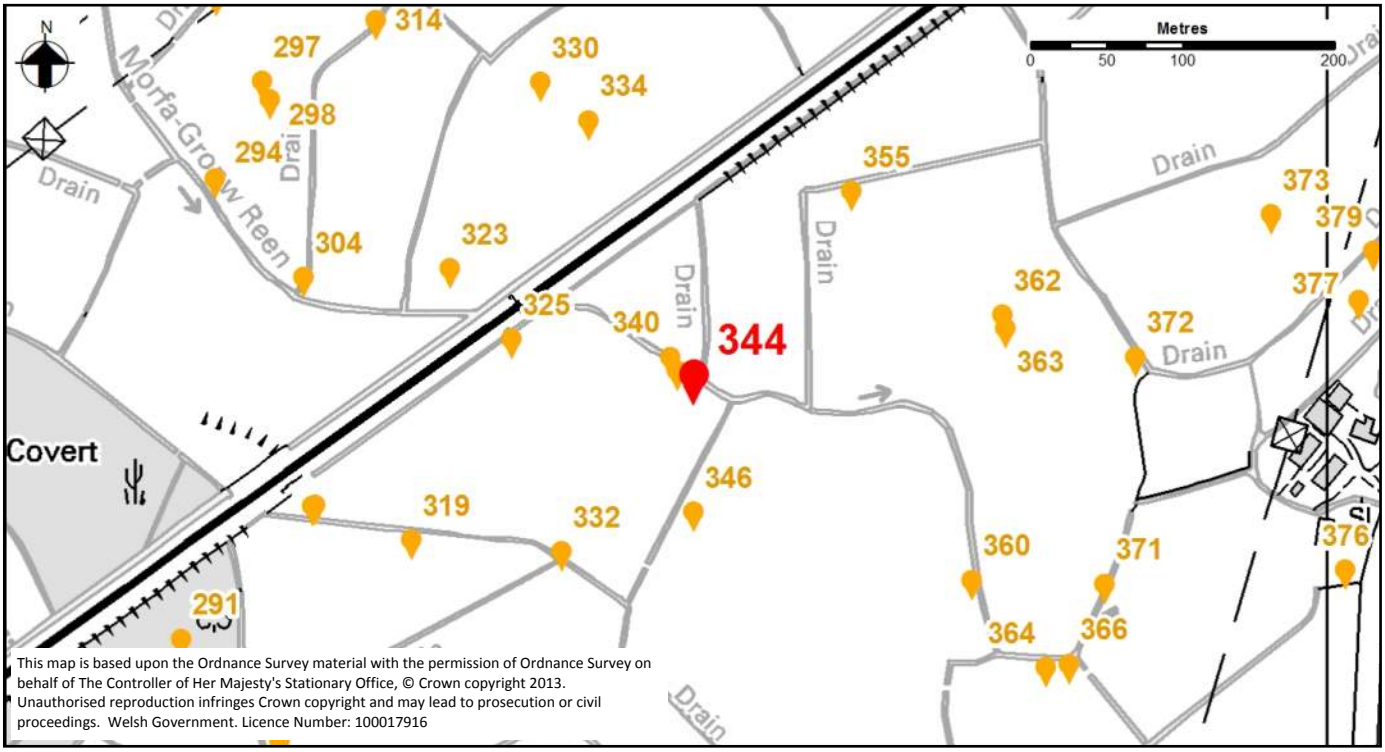

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	345	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Phragmites, hogweed, willowherb, vetch sp., reed mace, hedge bindweed, dogrose.

Potential for Protected Species:

Target Note Location Map:

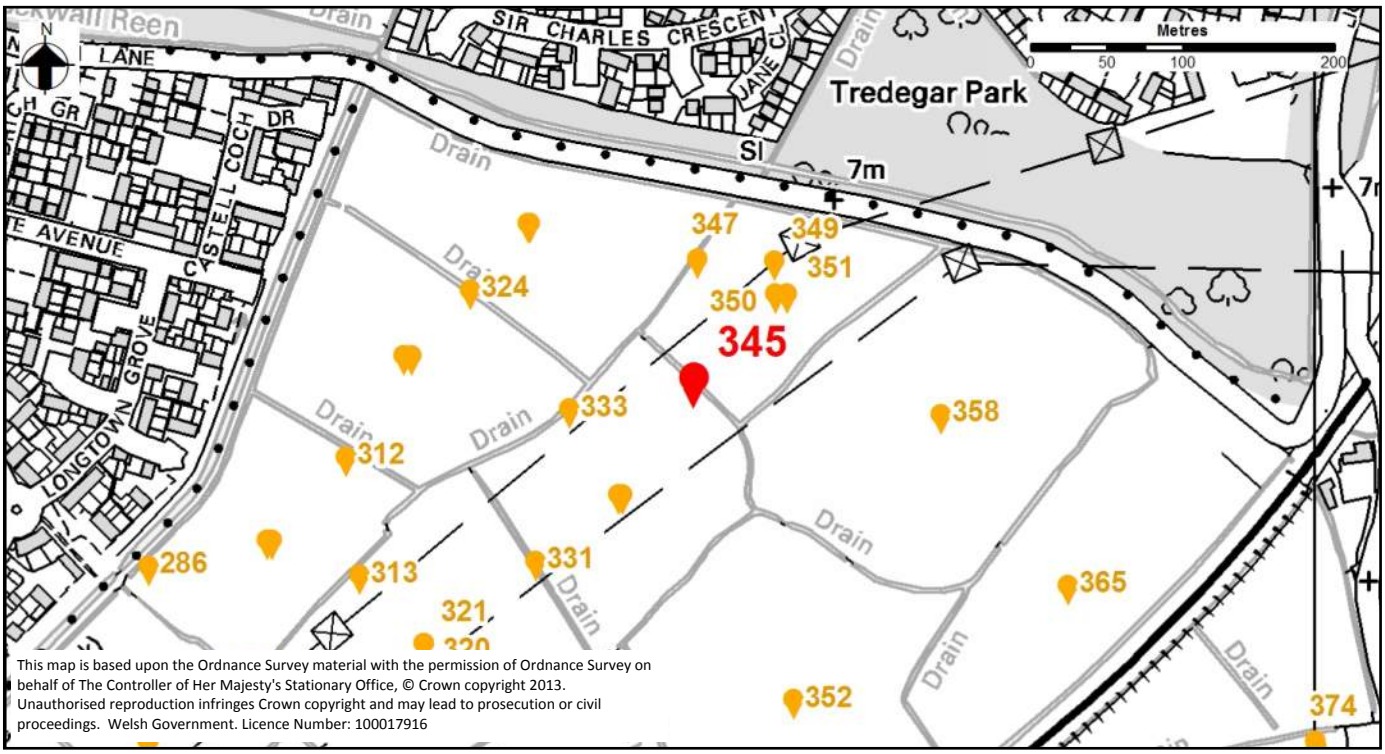

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	346	Date:	04-07-2014	GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Two lapwings

Potential for Protected Species:

Ground nesting birds

Target Note Location Map:

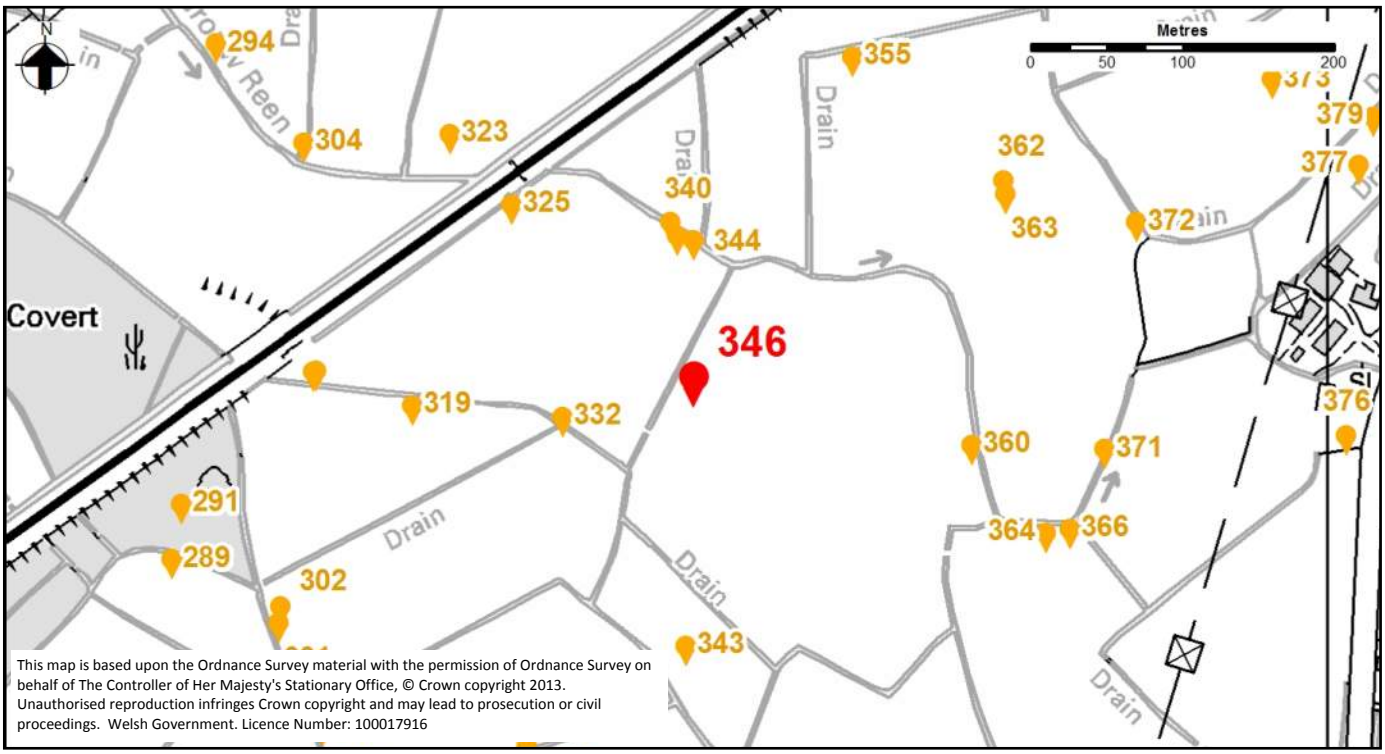

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	347	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Predominantly Phragmites. Willowherb, bramble, hogweed, angelica, Juncus sp. Present

Potential for Protected Species:

Target Note Location Map:

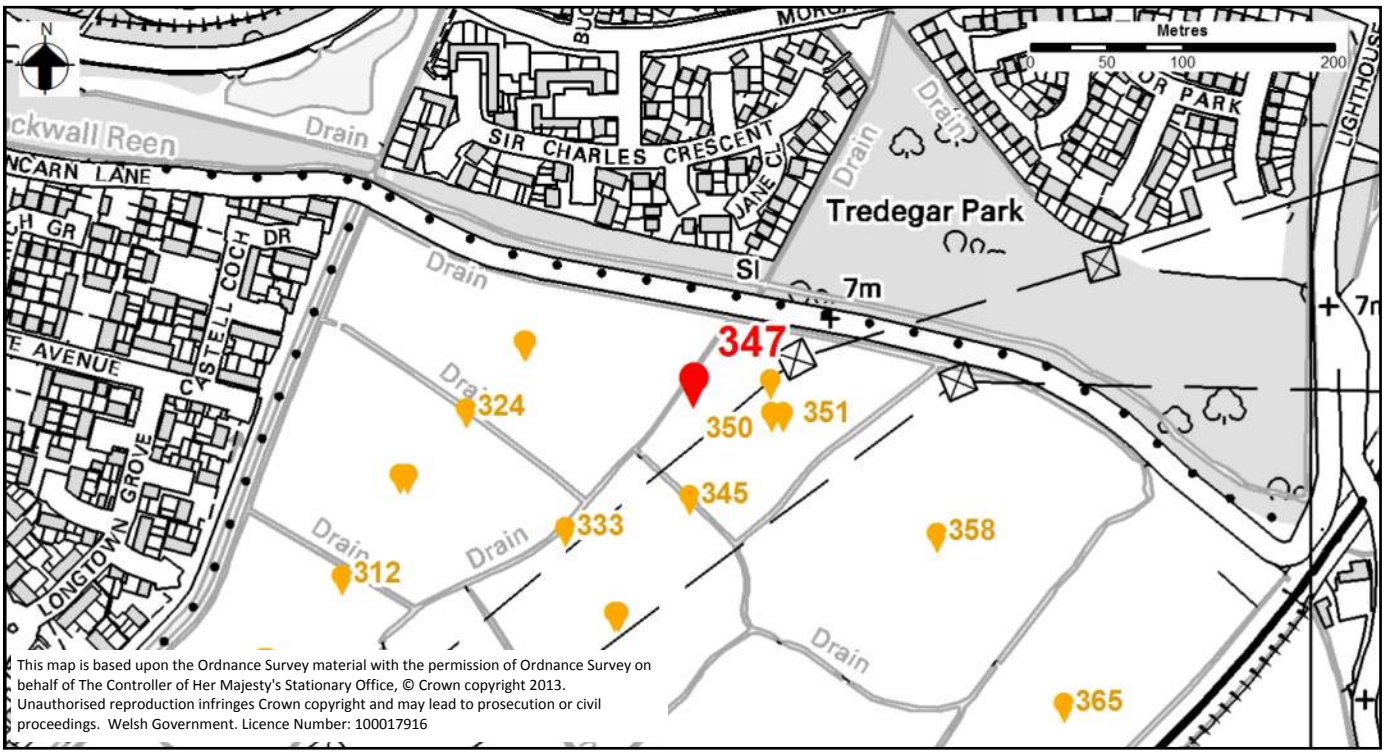

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	349	Date:	25-09-2014	GPS:	51.55, -3.02

Dominant Habitats:

Bare earth

Potential for Protected Species:

Nesting birds, reptiles

Target Note:

Wood pile

Target Note Location Map:

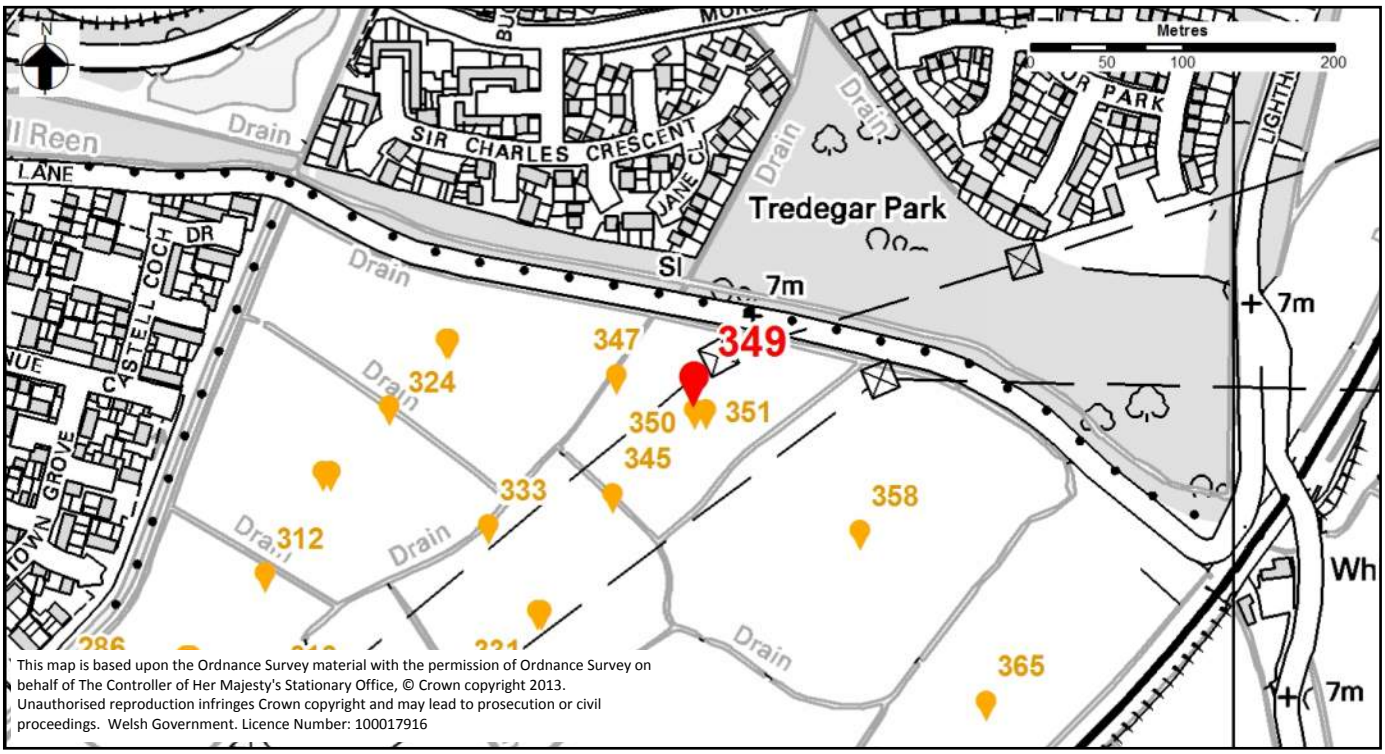

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	350	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Sedge and dock sp., meadow buttercup, willowherb, scentless mayweed, black medick, red clover, redshank

Potential for Protected Species:

Target Note Location Map:

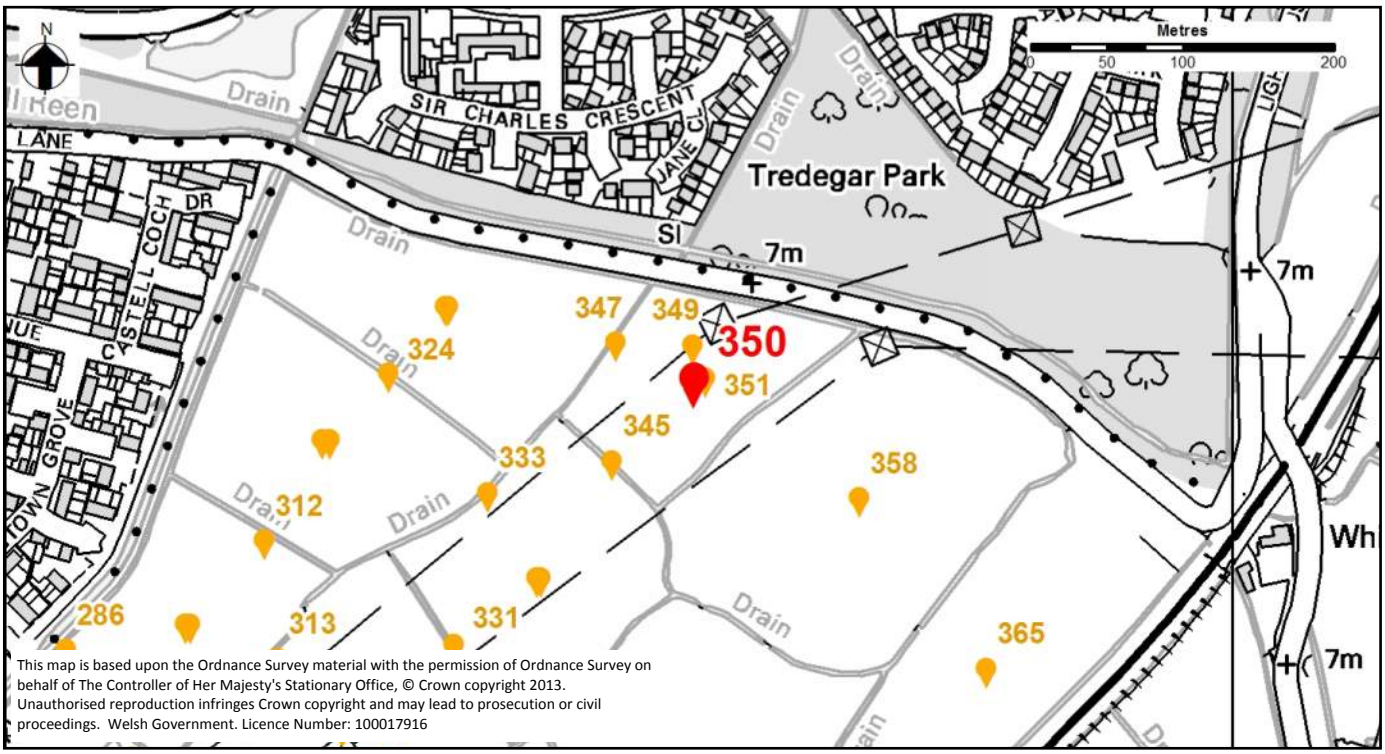

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	351	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Sedge, dock sp., meadow buttercup, willowherb, scentless maywed, black medick, red clover, redshank

Potential for Protected Species:

Target Note Location Map:

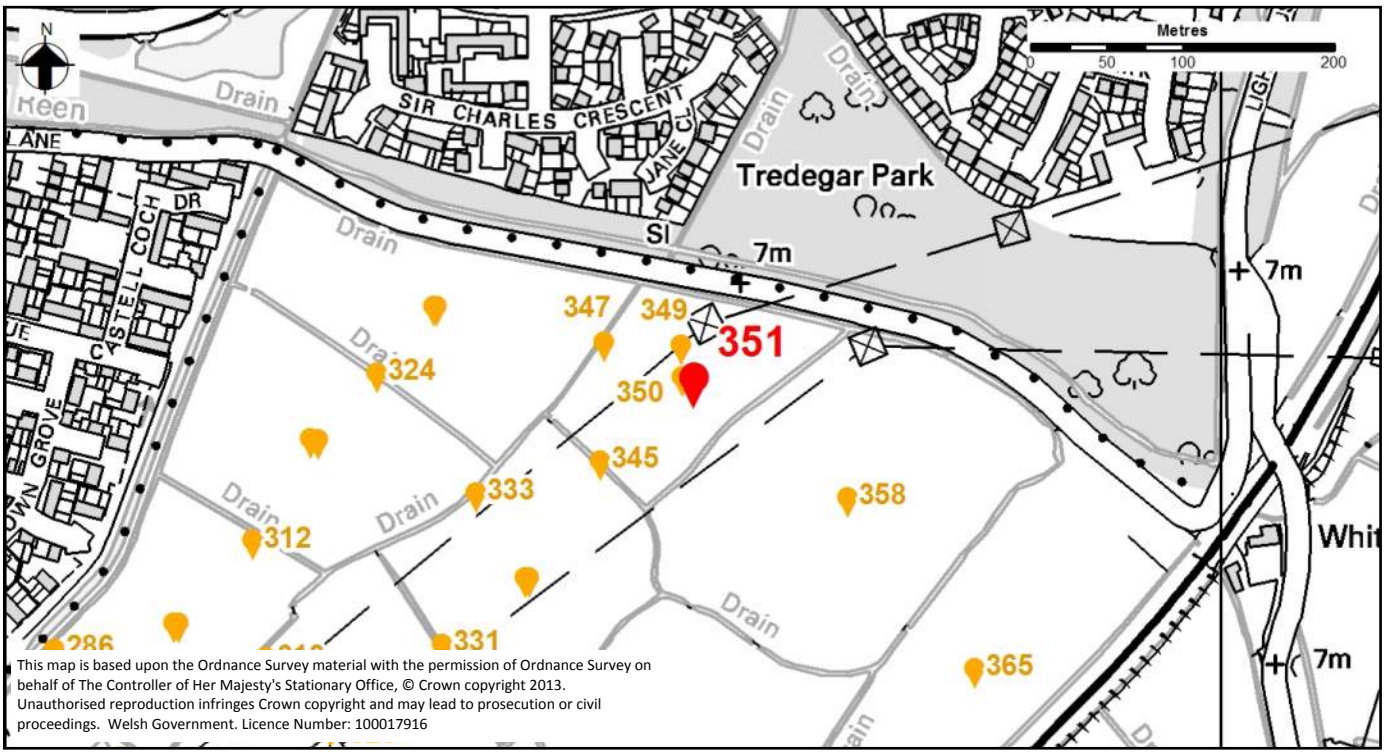

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	352	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

Annual meadowgrass, perennial rye grass, dandelion, white clover, nettle, timothy grass

Potential for Protected Species:

Target Note Location Map:

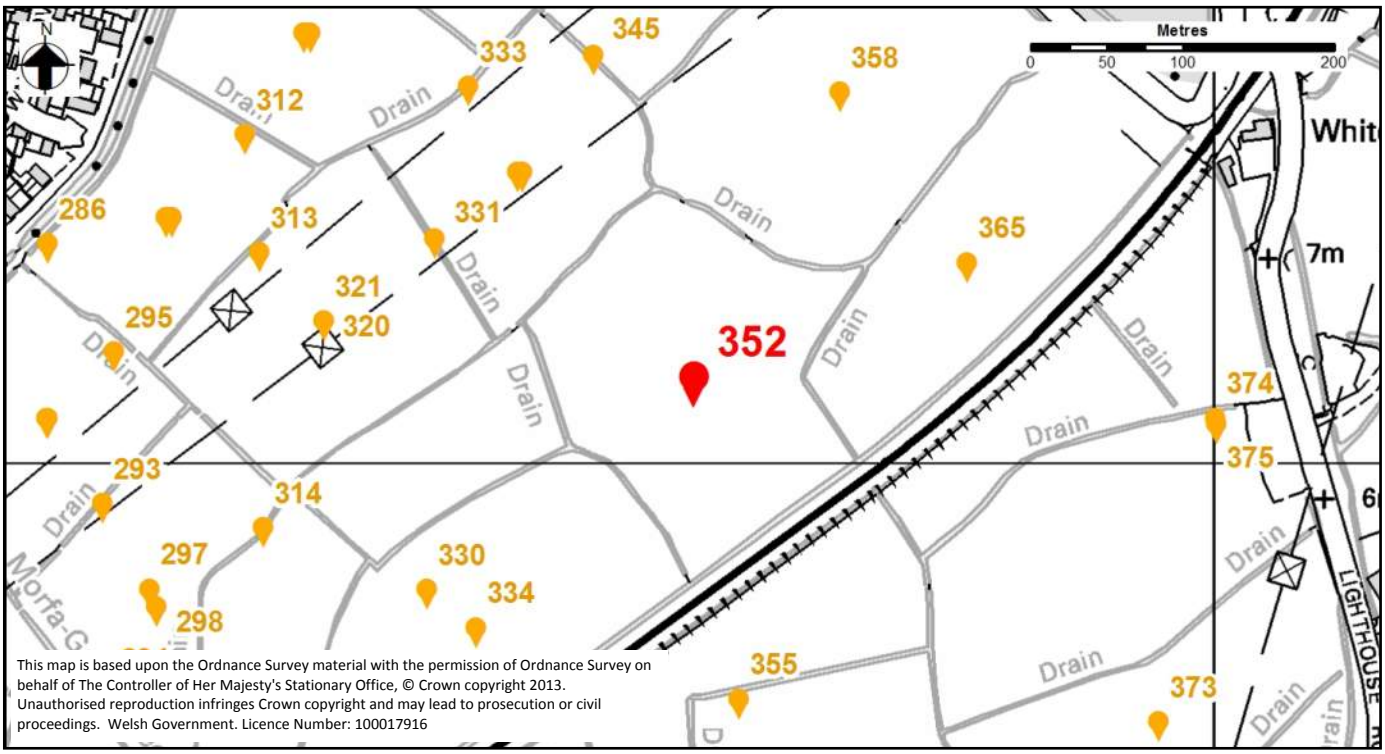

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	354	Date:		GPS:	51.54, -3.02

Dominant Habitats:

Target Note:

Old tin shepherds hut. No entry for BO or bat potential.

Potential for Protected Species:

Target Note Location Map:

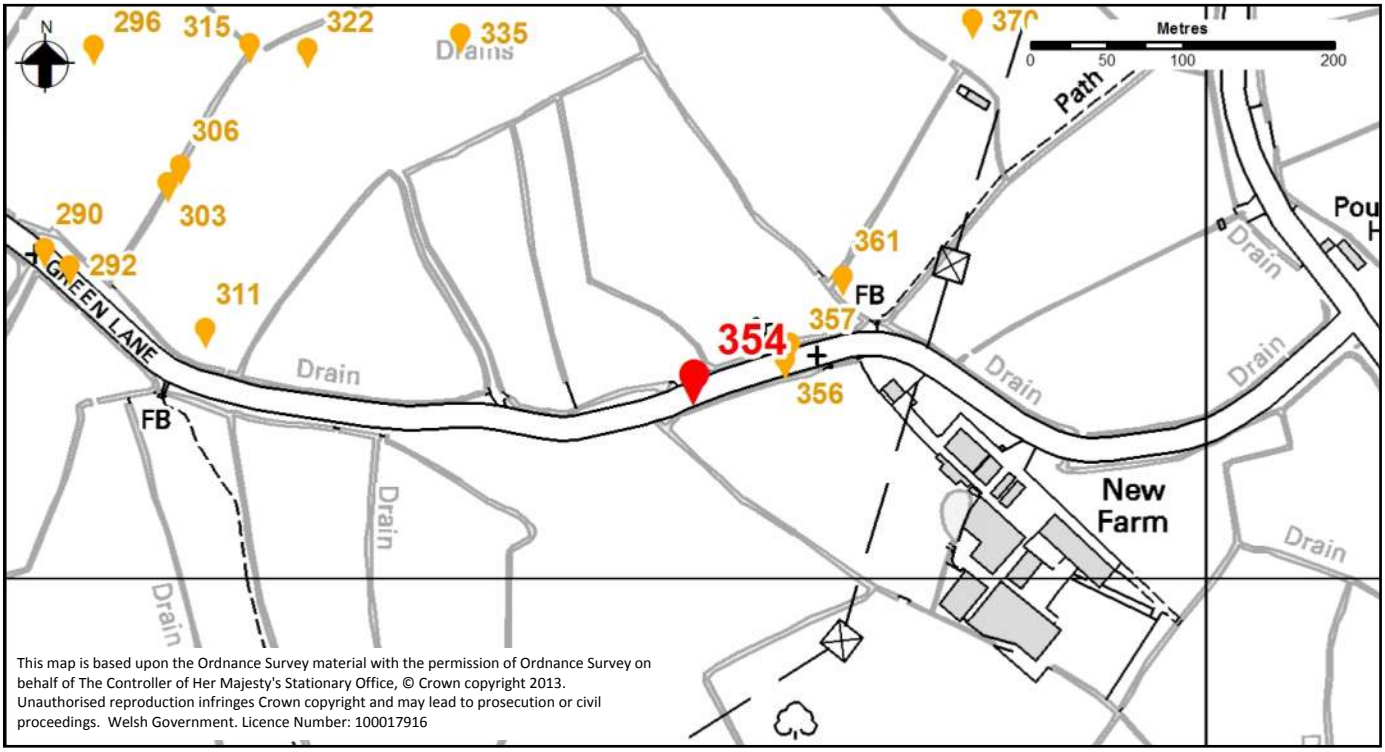

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	355	Date:		GPS:	51.55, -3.02

Dominant Habitats:

Target Note:

No access permission so surveyed from adjacent field southern end. Poaching on southern end , adjacent to ditch that indicates cattle. Meadow buttercup, white clover, dock, knapweed, red clover

Potential for Protected Species:

Target Note Location Map:

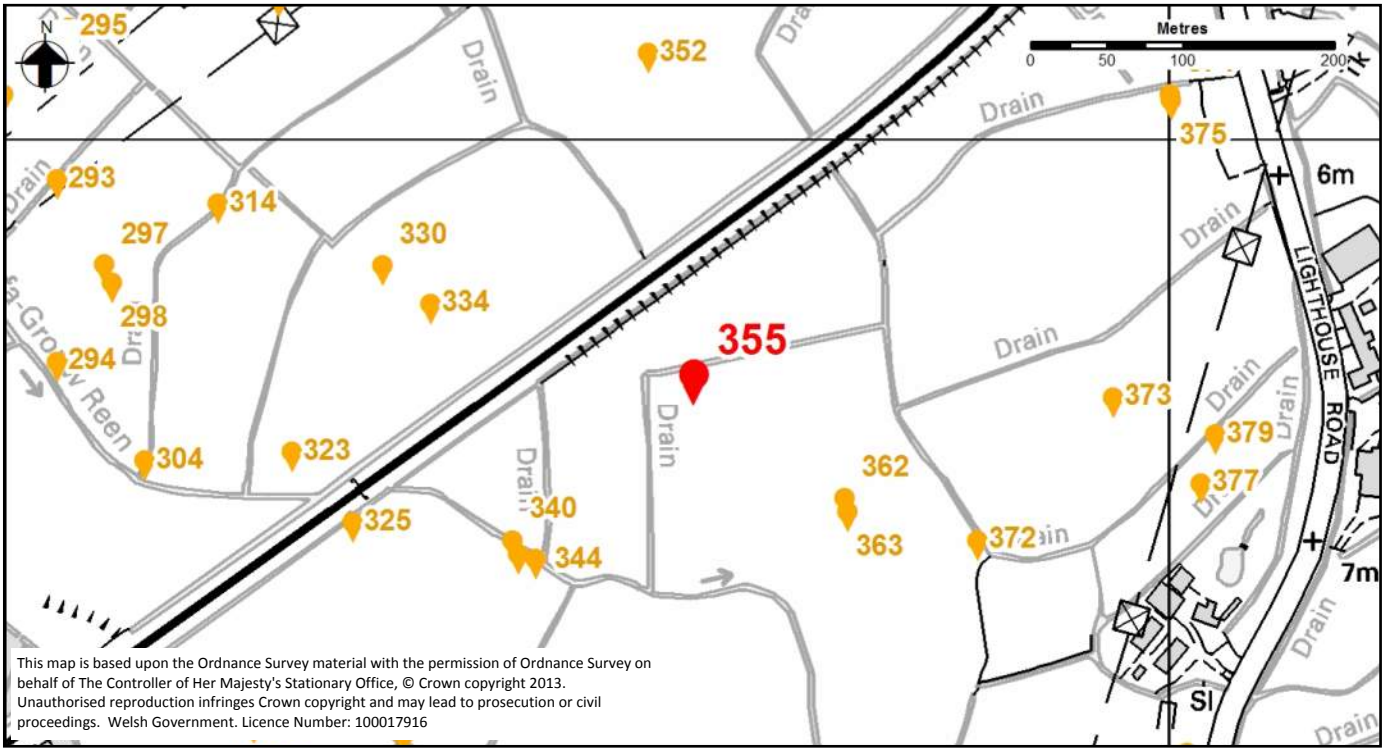

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	356	Date:		GPS:	51.54, -3.01

Dominant Habitats:

Target Note:

Hawthorn, blackthorn, hazel, field maple, crack willow, goat willow, oak. Willow herb, Phragmites, common nettle, umbels

Potential for Protected Species:

Target Note Location Map:

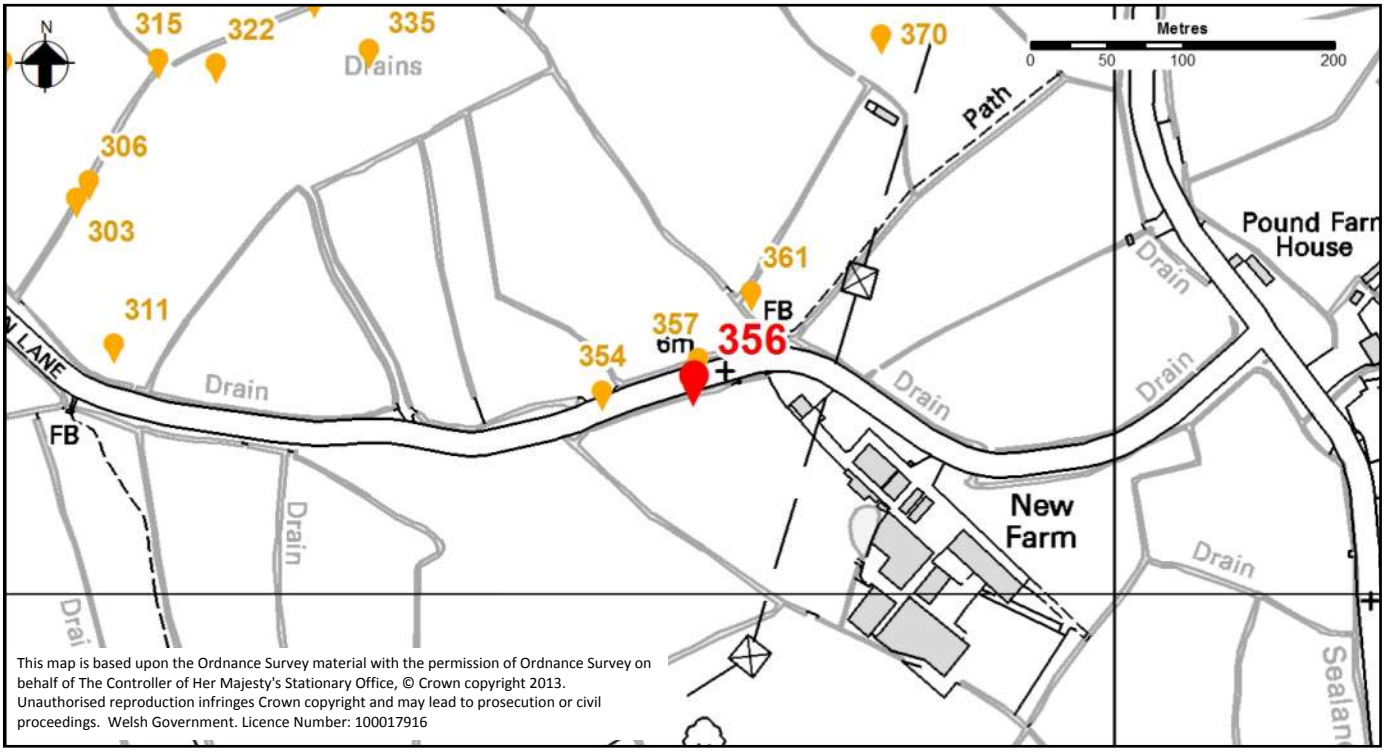

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	357	Date:		GPS:	51.54, -3.01

Dominant Habitats:

Target Note:

Hawthorn, blackthorn, hazel, field maple, crack willow, goat willow, oak, willow herb, common reed, common nettle, umbels

Potential for Protected Species:

Target Note Location Map:

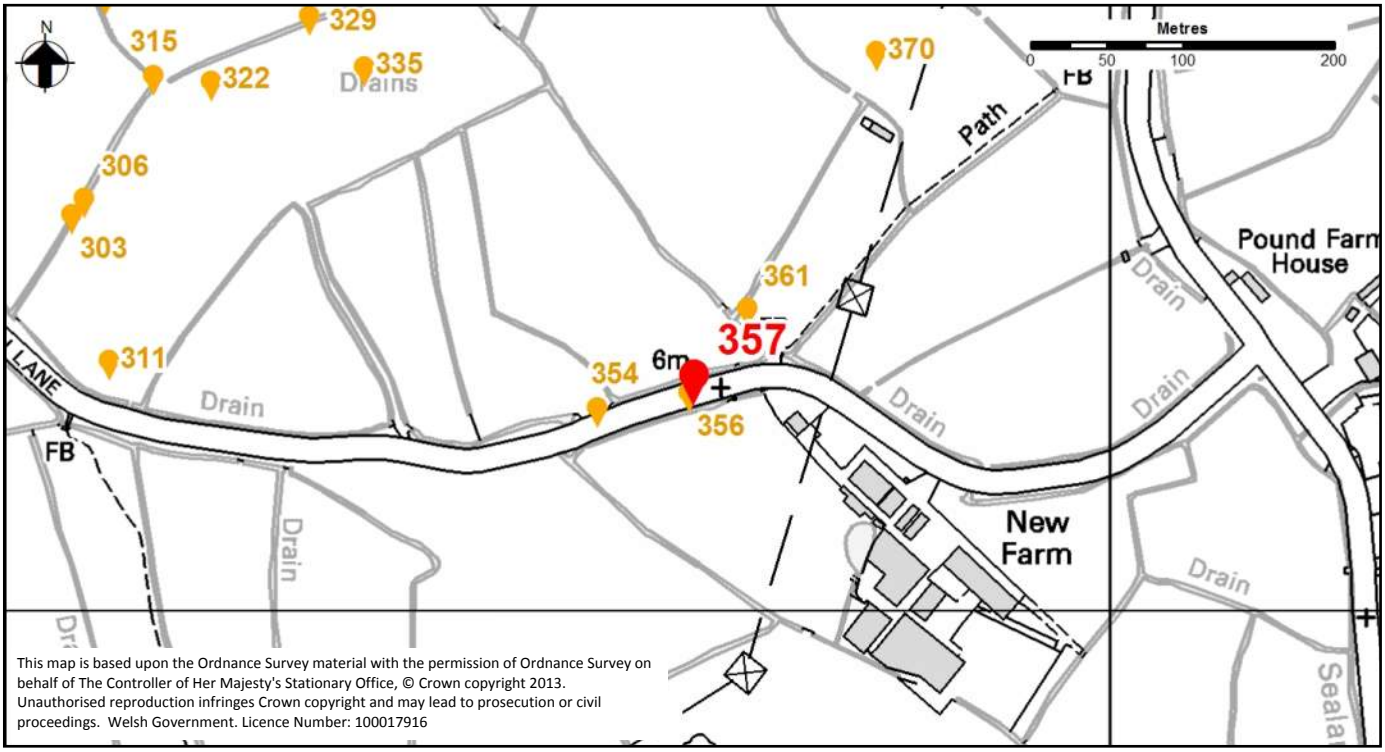

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	358	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Annual meadowgrass, perennial rye grass, dandelion, white clover, nettle, timothy grass

Potential for Protected Species:

Target Note Location Map:

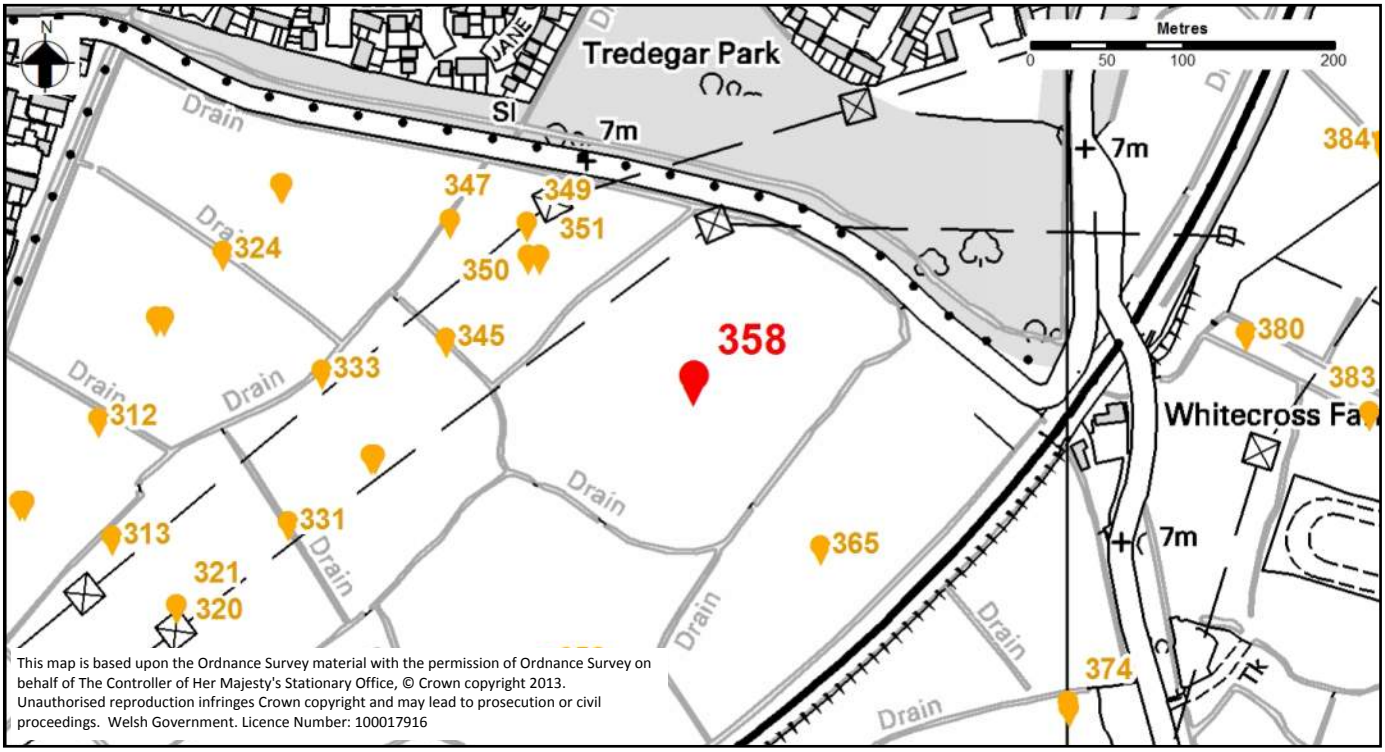

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	360	Date:	04-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Running water and marginal vegetation

Potential for Protected Species:

Water vole

Target Note:

Water vole feeding station

Target Note Location Map:

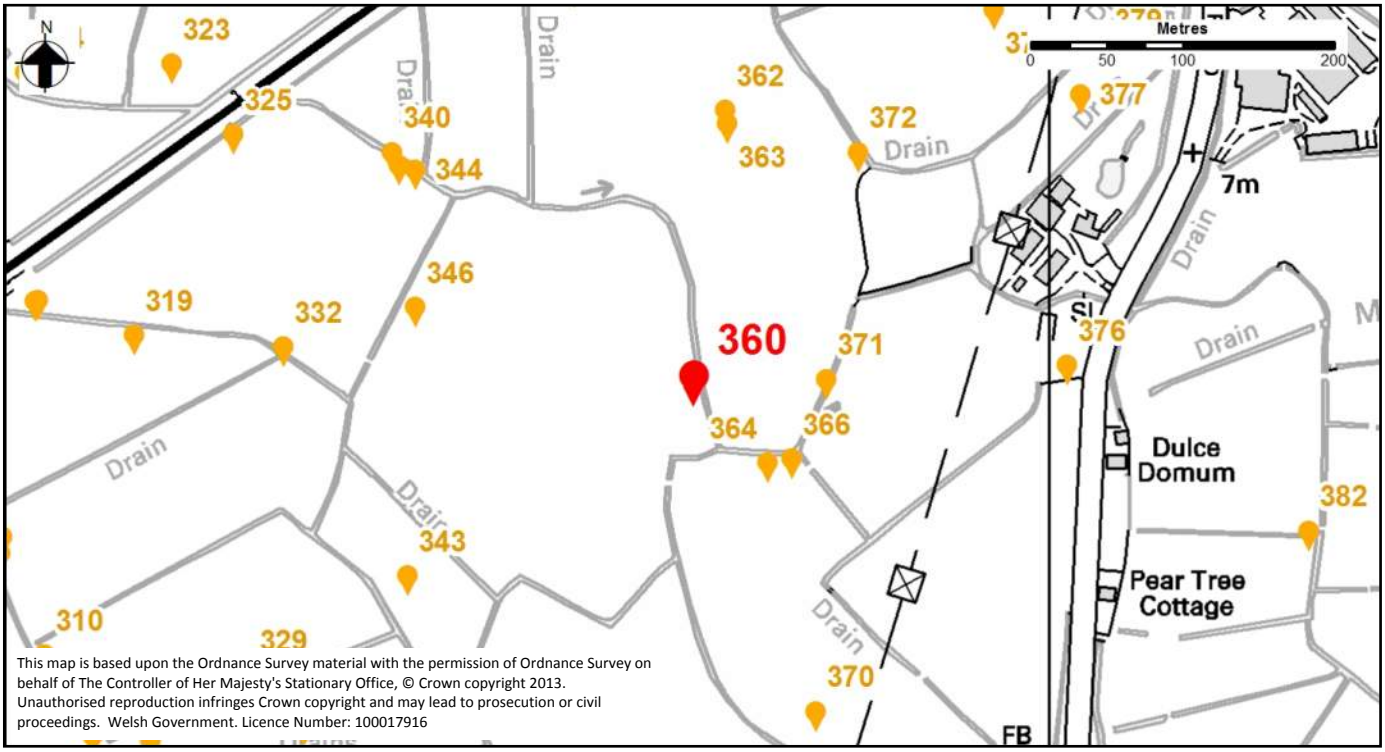

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	361	Date:		GPS:	51.54, -3.01

Dominant Habitats:

Target Note:

Hawthorn, blackthorn, oak, goat willow

Potential for Protected Species:

Target Note Location Map:

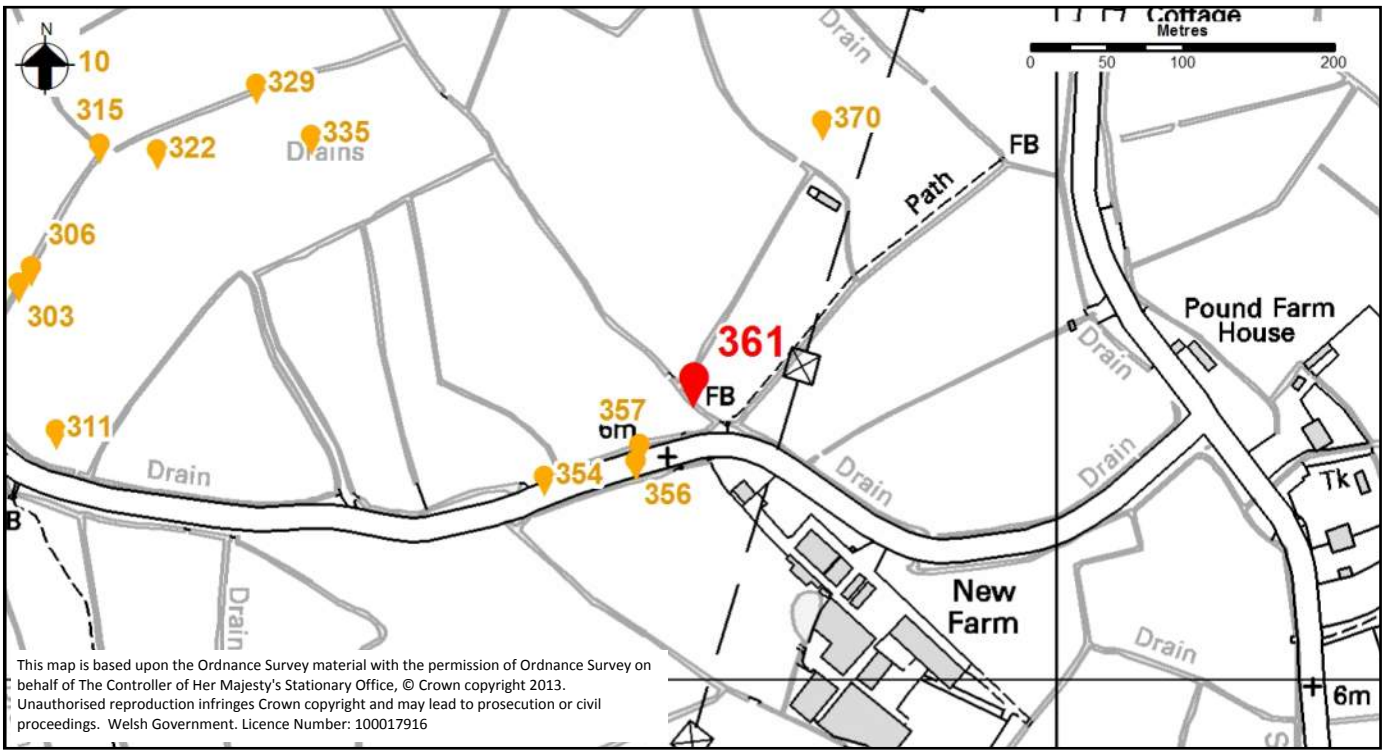

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	362	Date:	04-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Oak tree

Target Note:

Mature oak with nests, possible kestrel nesting hole and bat potential. Barn owl feather found nearby.

Potential for Protected Species:

Bats, barn owl, kestrel

Target Note Location Map:

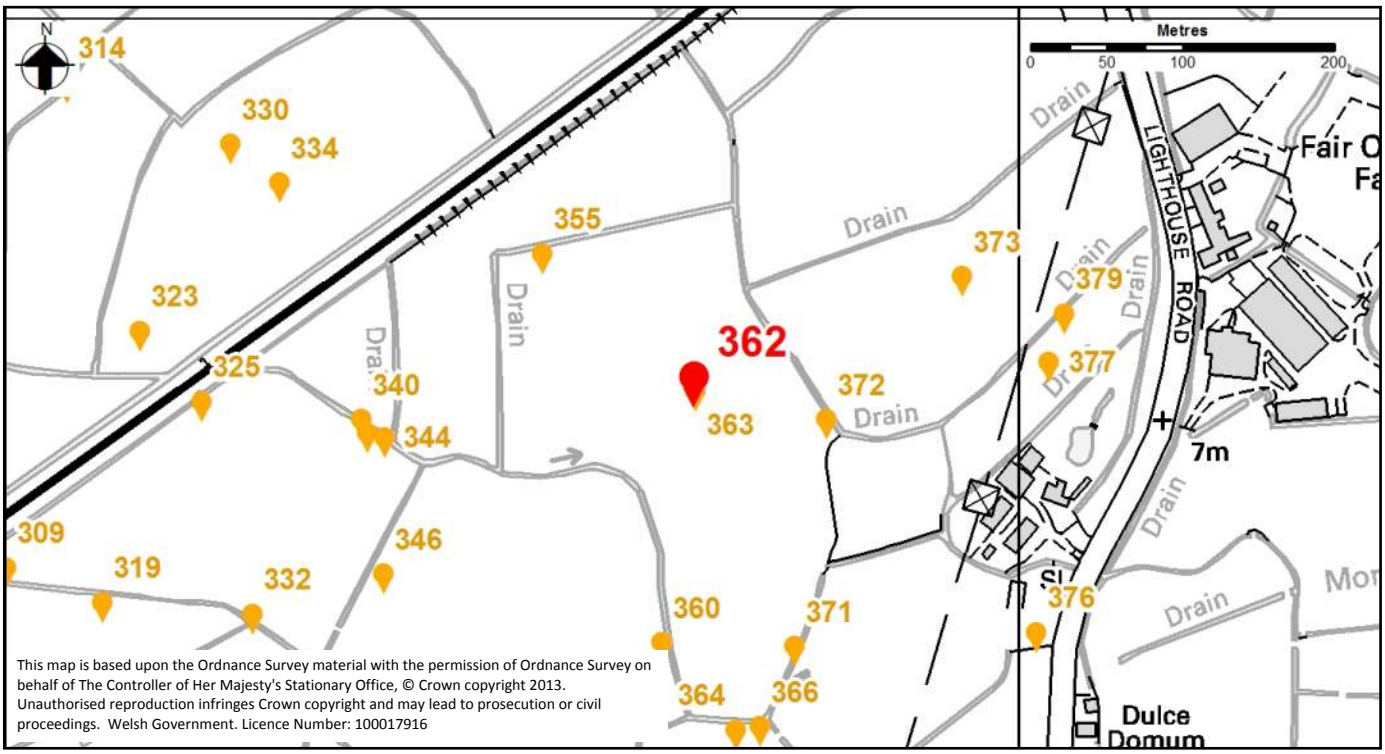

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	363	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Bat potential

Potential for Protected Species:

Bats

Target Note Location Map:

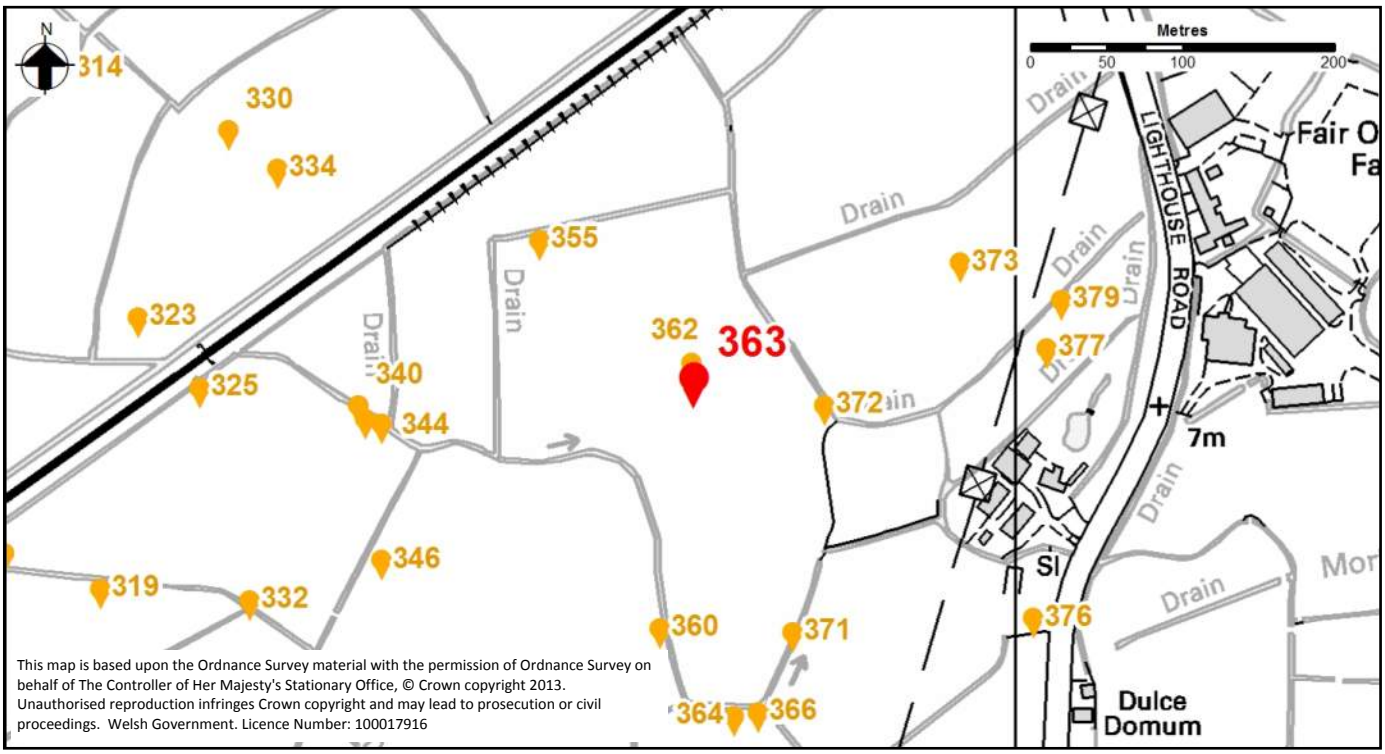

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	364	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Reen

Target Note:

Common reed on both sides of ditch

Potential for Protected Species:

Target Note Location Map:

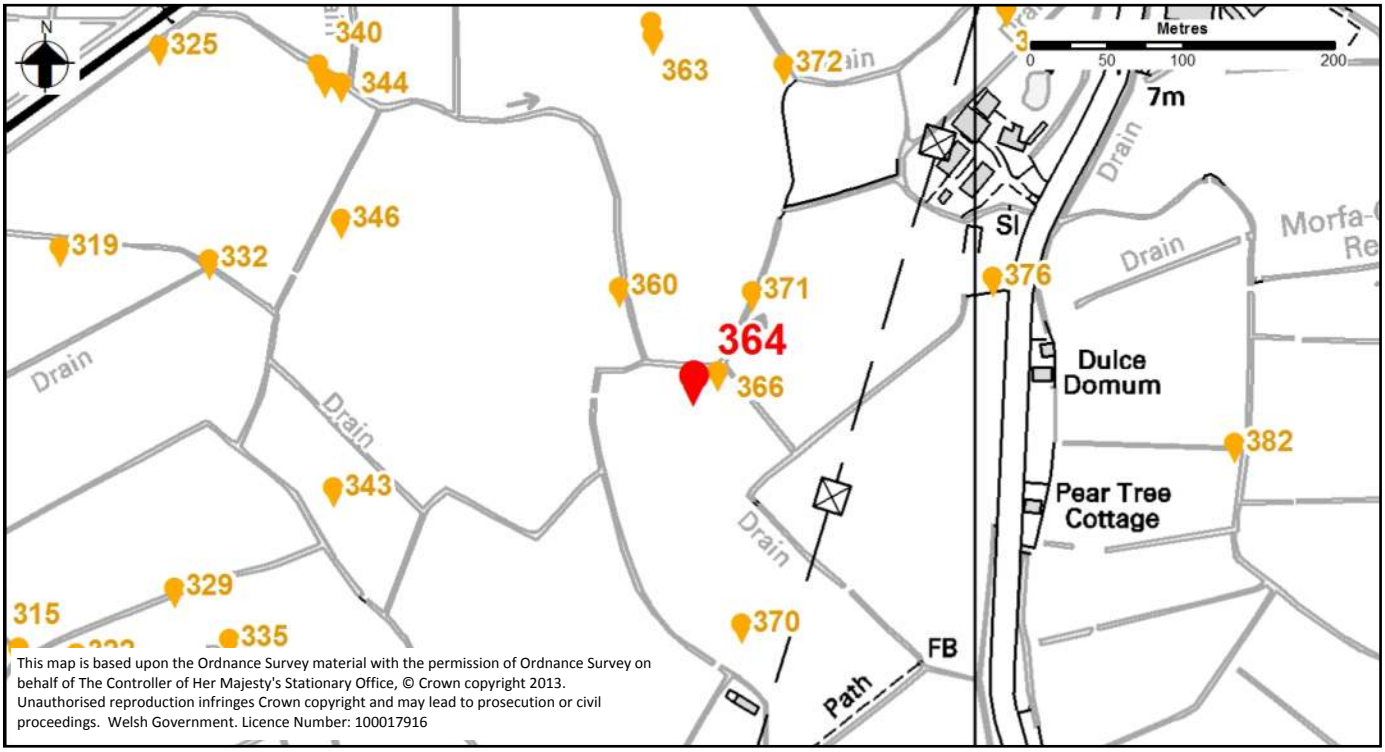

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	365	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Annual meadowgrass, perennial rye grass, dandelion, white clover, nettle, timothy grass

Potential for Protected Species:

Target Note Location Map:

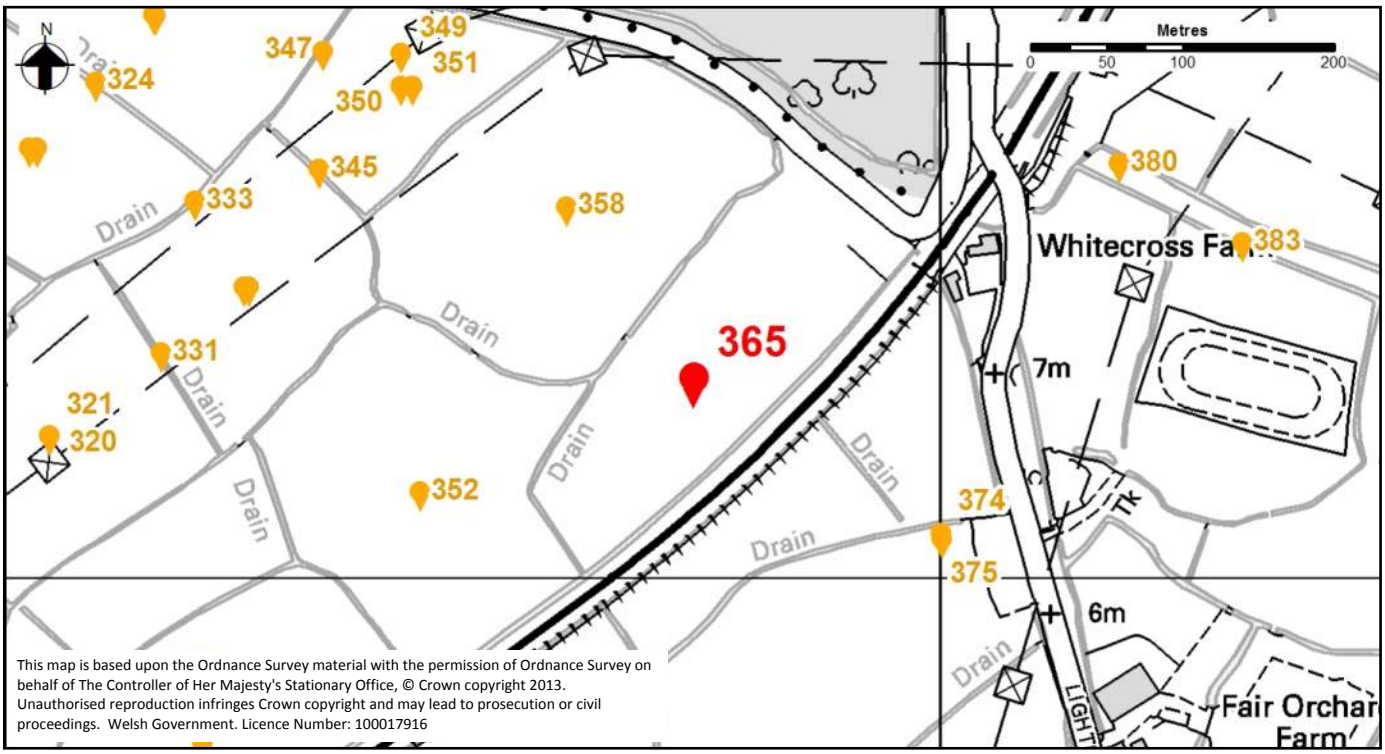

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	366	Date:	04-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Marginal vegetation

Target Note:

Diverse marginal vegetation: fen bedstraw, yellow loosestrife, sweet reed grass, bulrush, sedges, rushes, irises.

Potential for Protected Species:

Target Note Location Map:

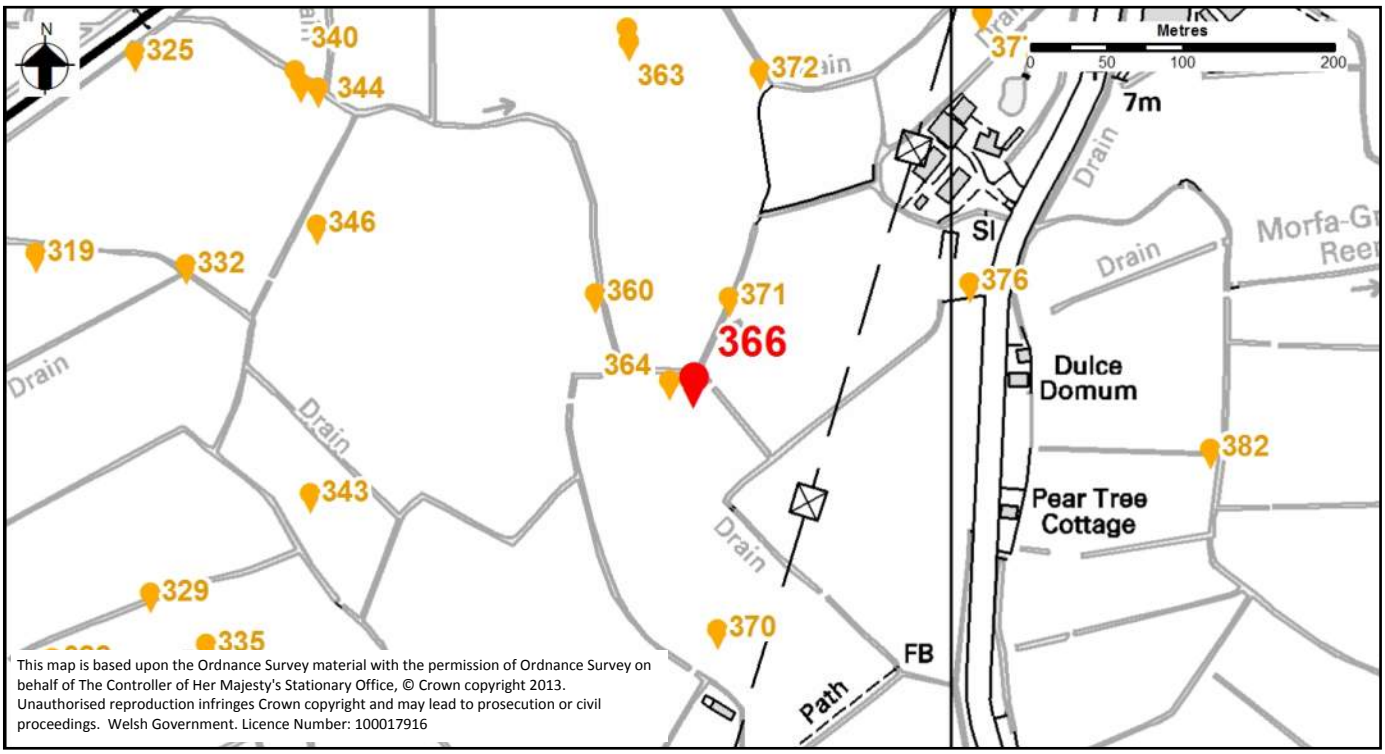

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	370	Date:	04-07-2014	GPS:	51.54, -3.01

Dominant Habitats:

Oak tree

Target Note:

Mature oak with bat potential

Potential for Protected Species:

Bats

Target Note Location Map:

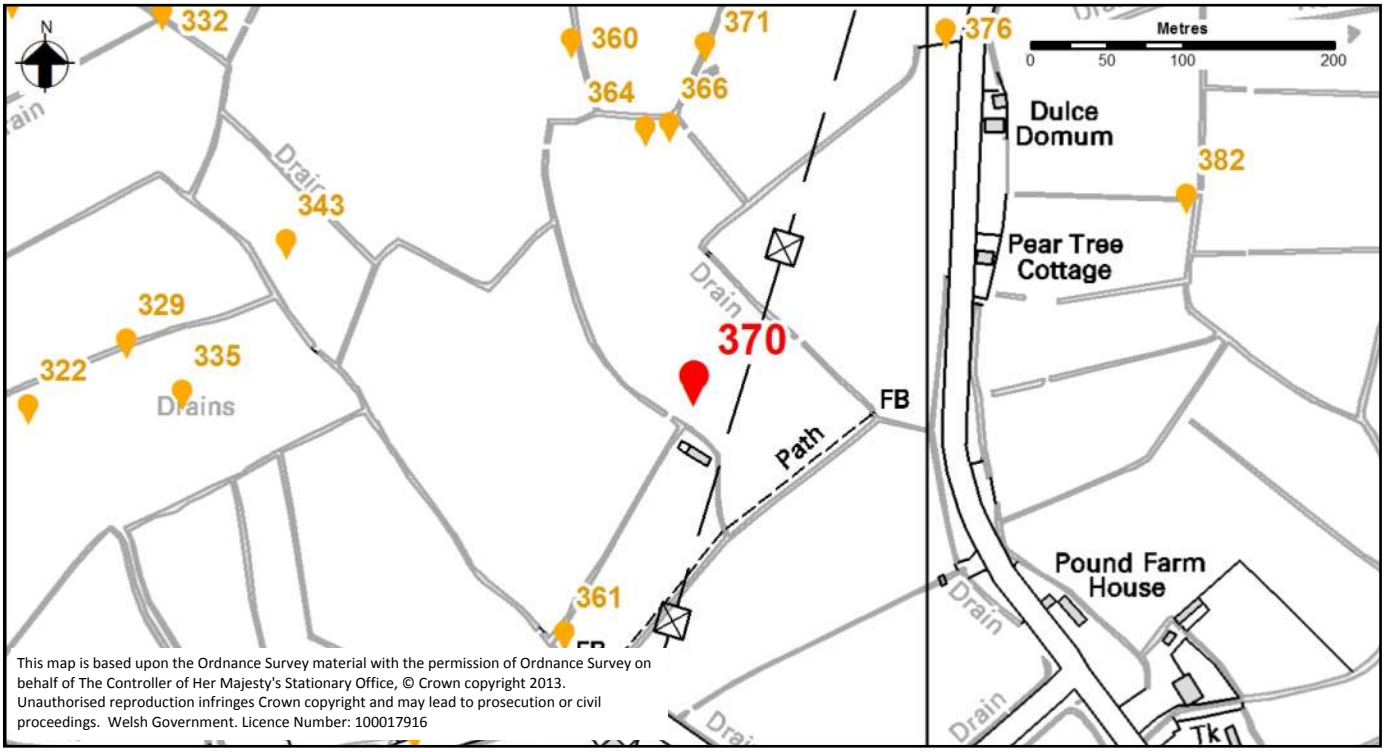

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	371	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Reen

Potential for Protected Species:

Water vole

Target Note:

Water vole potential, more open on southern side. Common reed on northern side

Target Note Location Map:

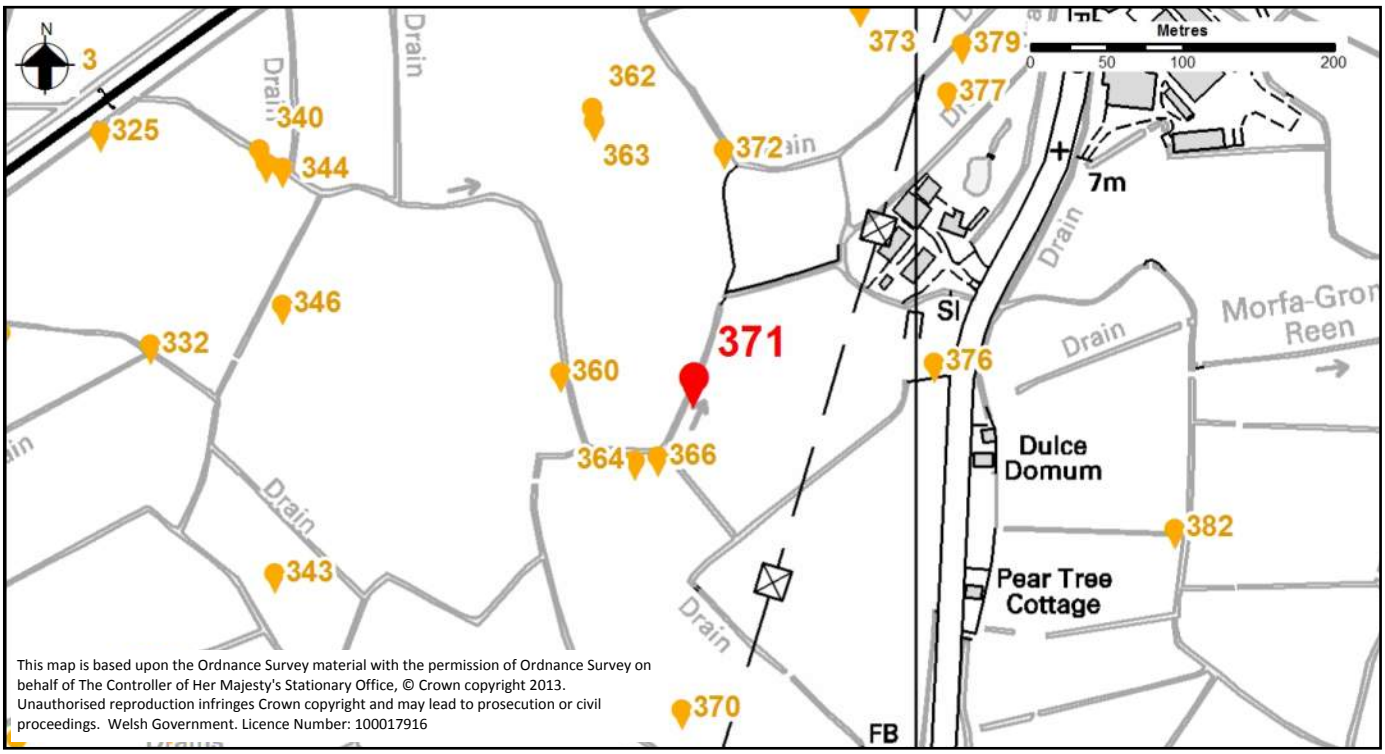

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	372	Date:	04-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Potential water vole burrow

Potential for Protected Species:

Water vole

Target Note Location Map:

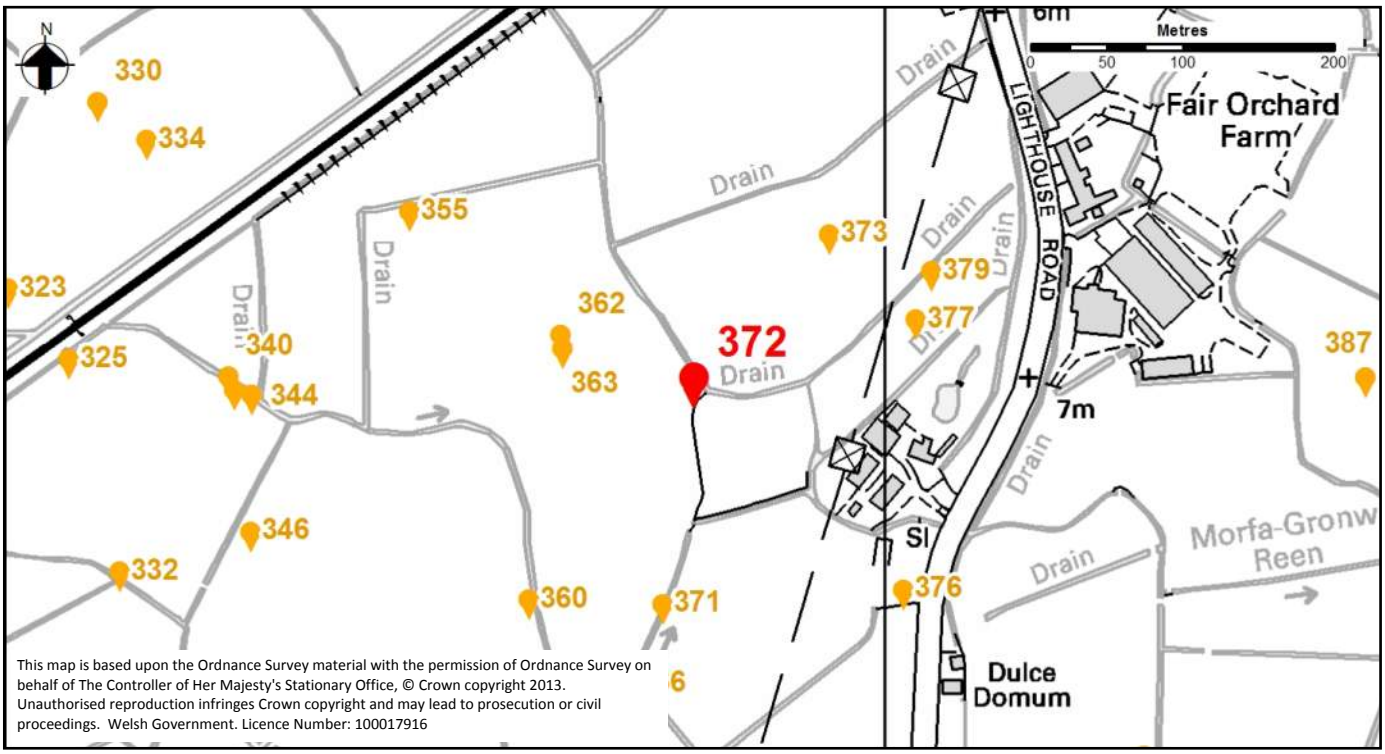

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	373	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Crested dog's tail, perennial rye grass, white clover, red clover, Yorkshire fog

Potential for Protected Species:

Target Note Location Map:

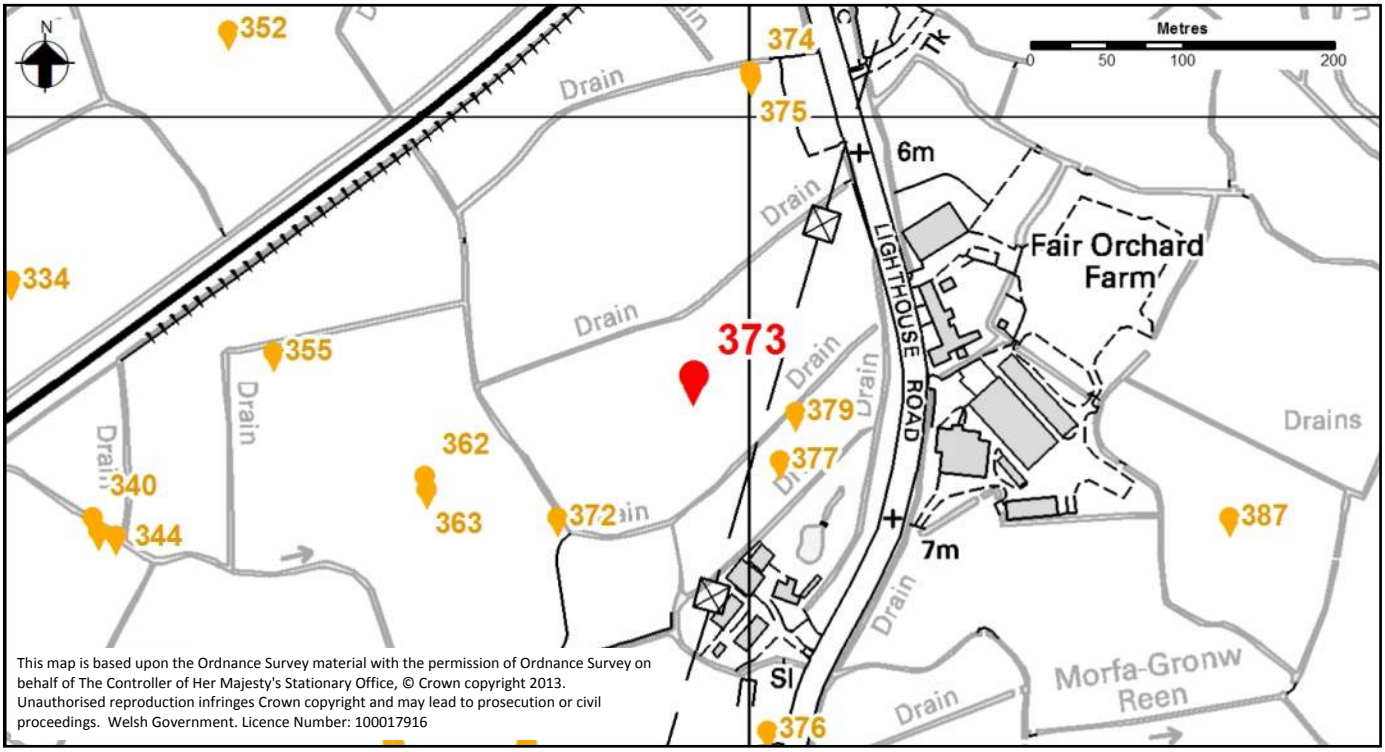

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	374	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Mature oak with bat potential

Potential for Protected Species:

Bats

Target Note Location Map:

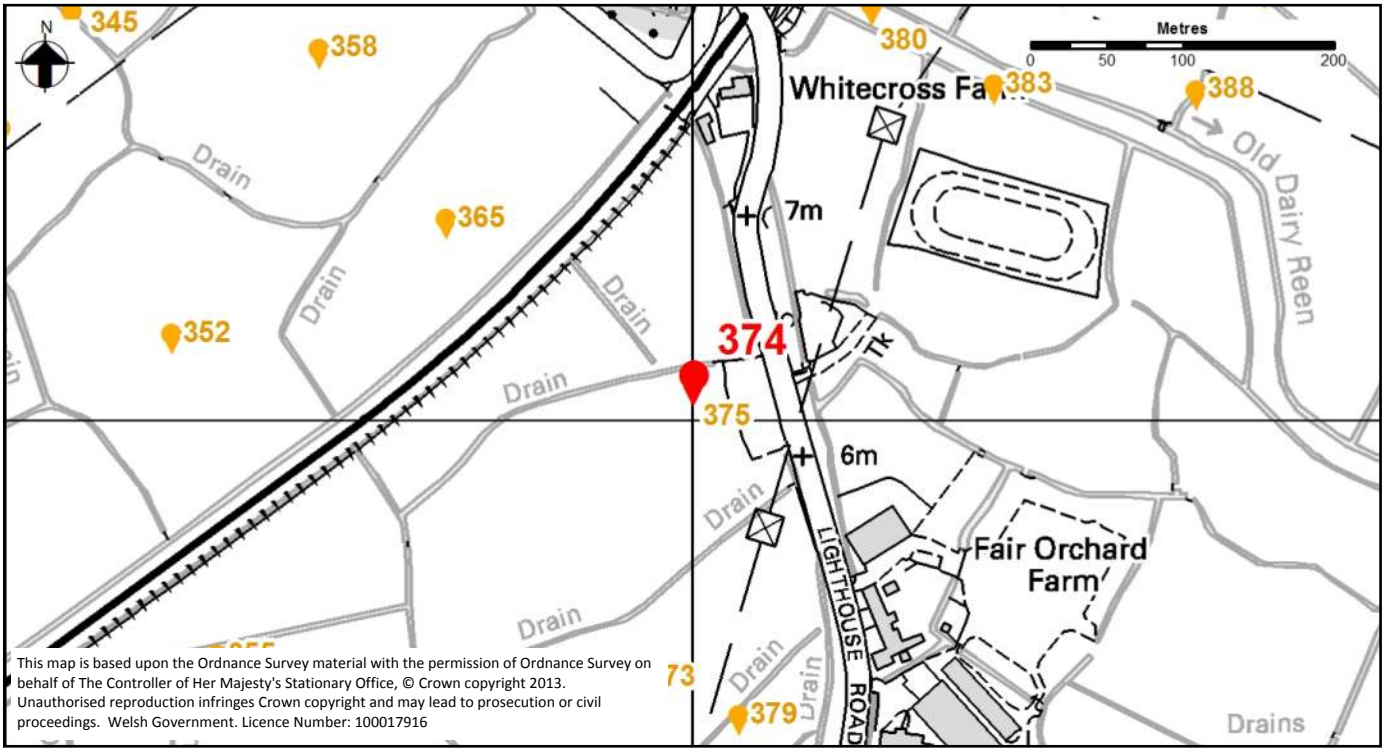

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	375	Date:	04-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Oak tree

Target Note:

Mature oak tree with ivy cover with bat potential

Potential for Protected Species:

Bats

Target Note Location Map:

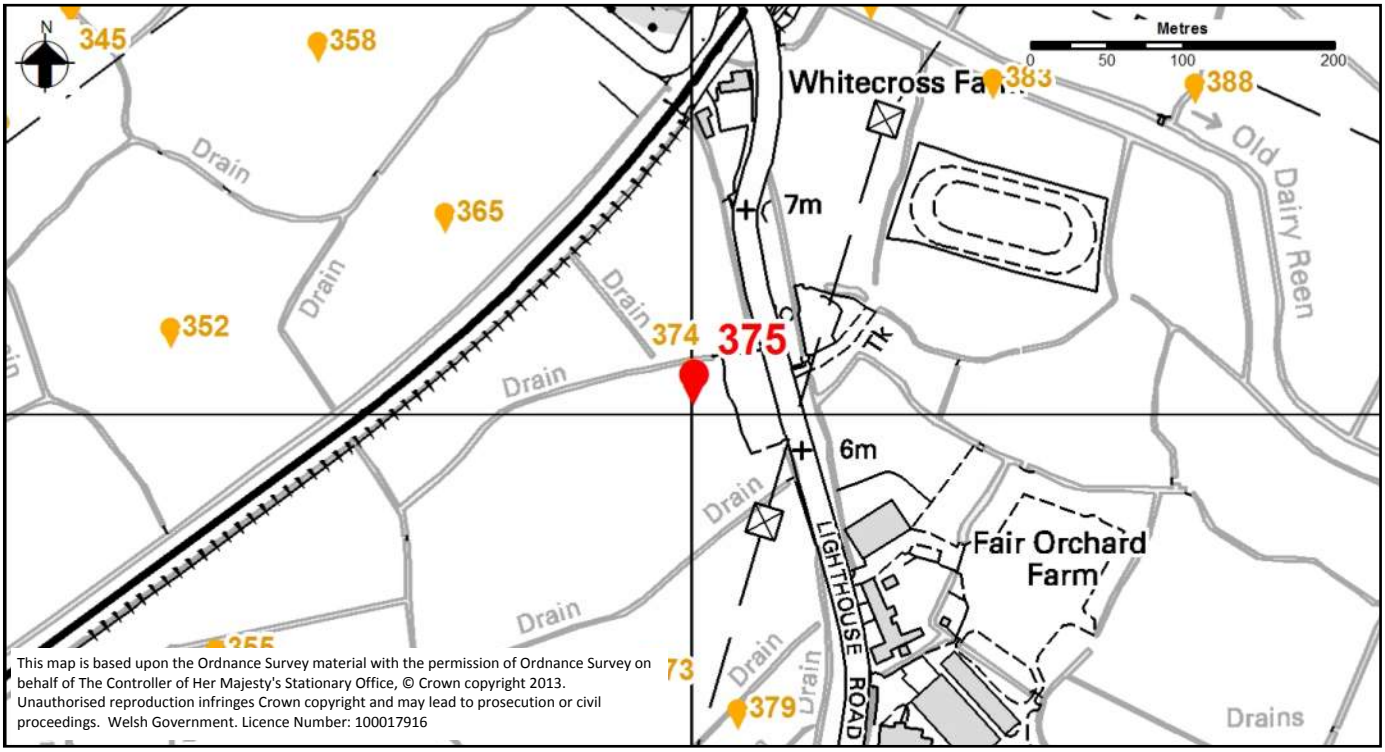

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	376	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

Greater plantain, ribwort plantain, meadow foxtail, willow sp., annual meadowgrass, creeping buttercup, white clover, red clover

Potential for Protected Species:

Target Note Location Map:

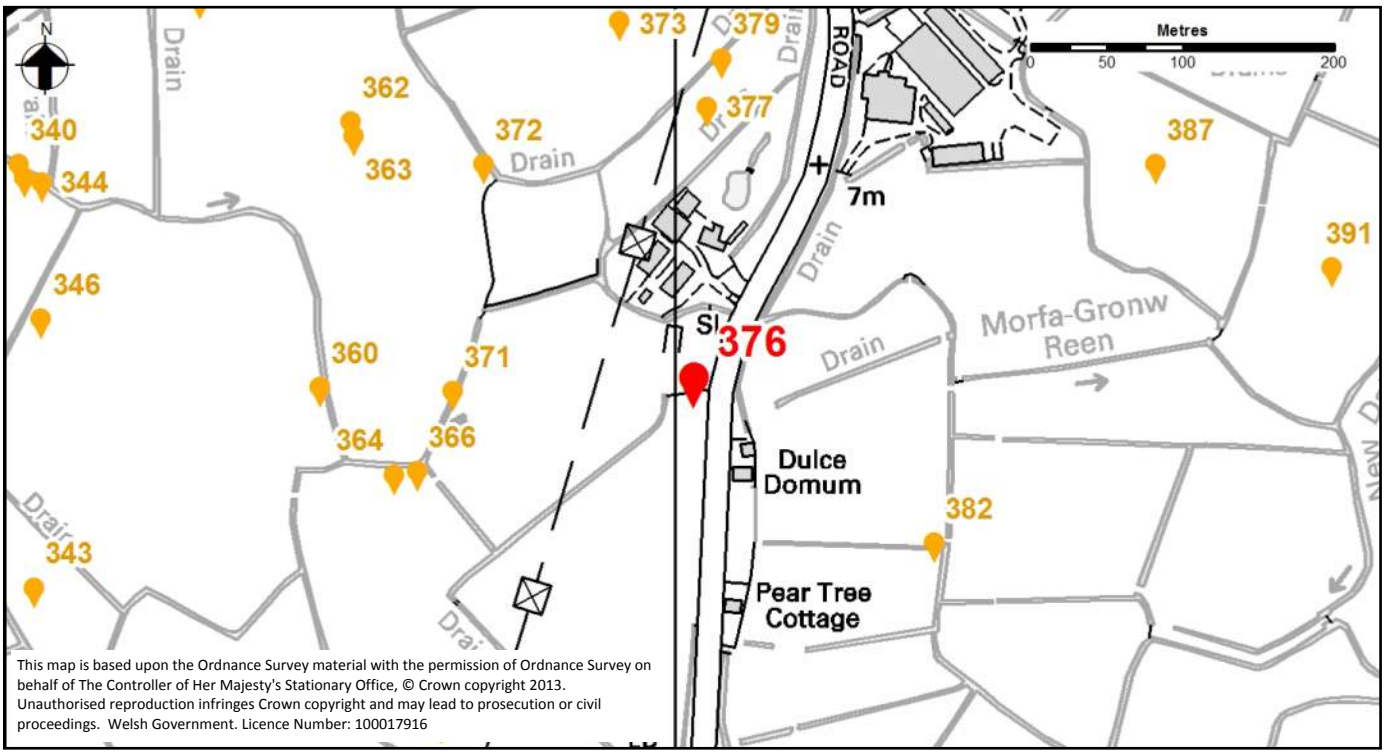

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	377	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

White clover, perennial ryegrass, meadow buttercup, Yorkshire fog, crested dog's tail, tufted hair grass, timothy, cock's foot, meadow foxtail, purple clover, rough hawkbit, meadow thistle

Potential for Protected Species:

Target Note Location Map:

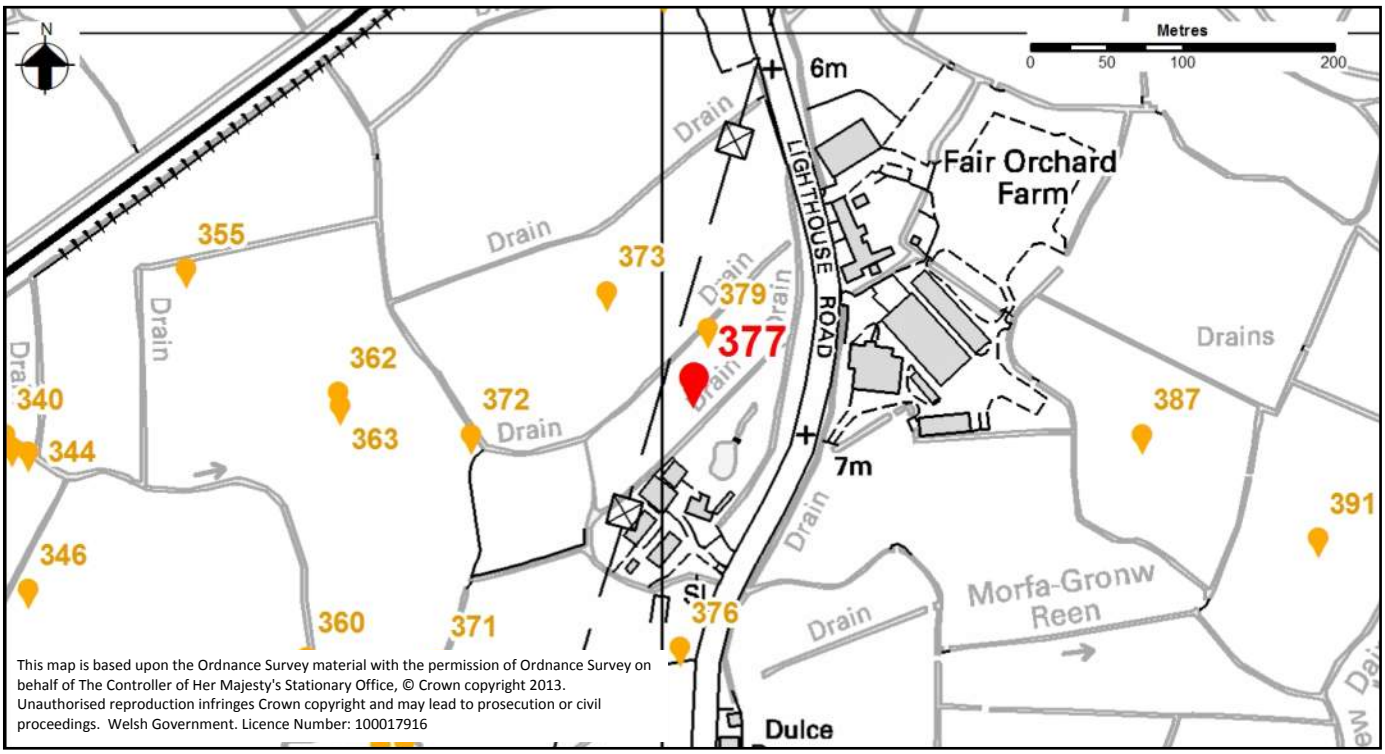

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	379	Date:	04-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Oak tree

Target Note:

Mature oak with bird of prey (likely buzzard) nest and bat potential

Potential for Protected Species:

Schedule 1 bird and bat potential

Target Note Location Map:

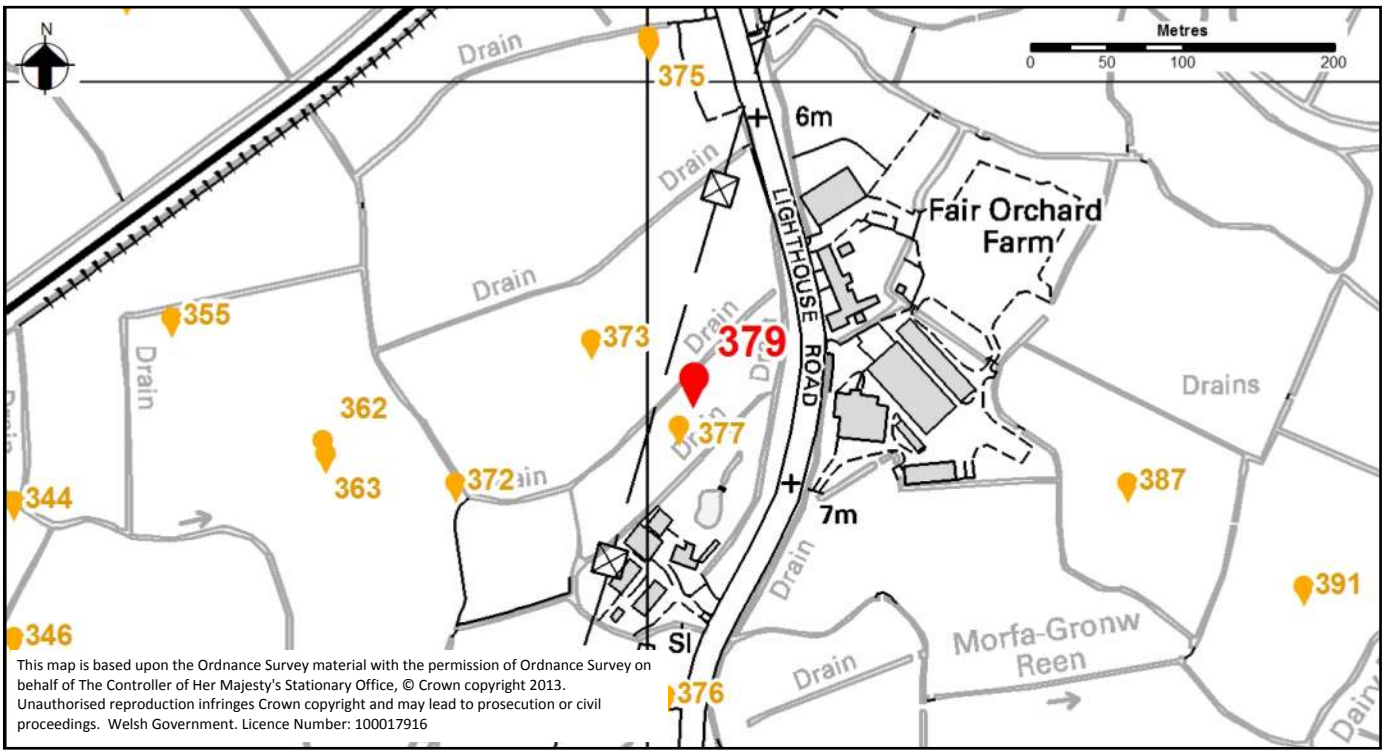

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	380	Date:	24-04-2014	GPS:	51.55, -3.01

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Grazed field showing significant improvement. Species present include Juncus effusus, cuckoo flower, purple moor grass, dandelion.

Potential for Protected Species:

Target Note Location Map:

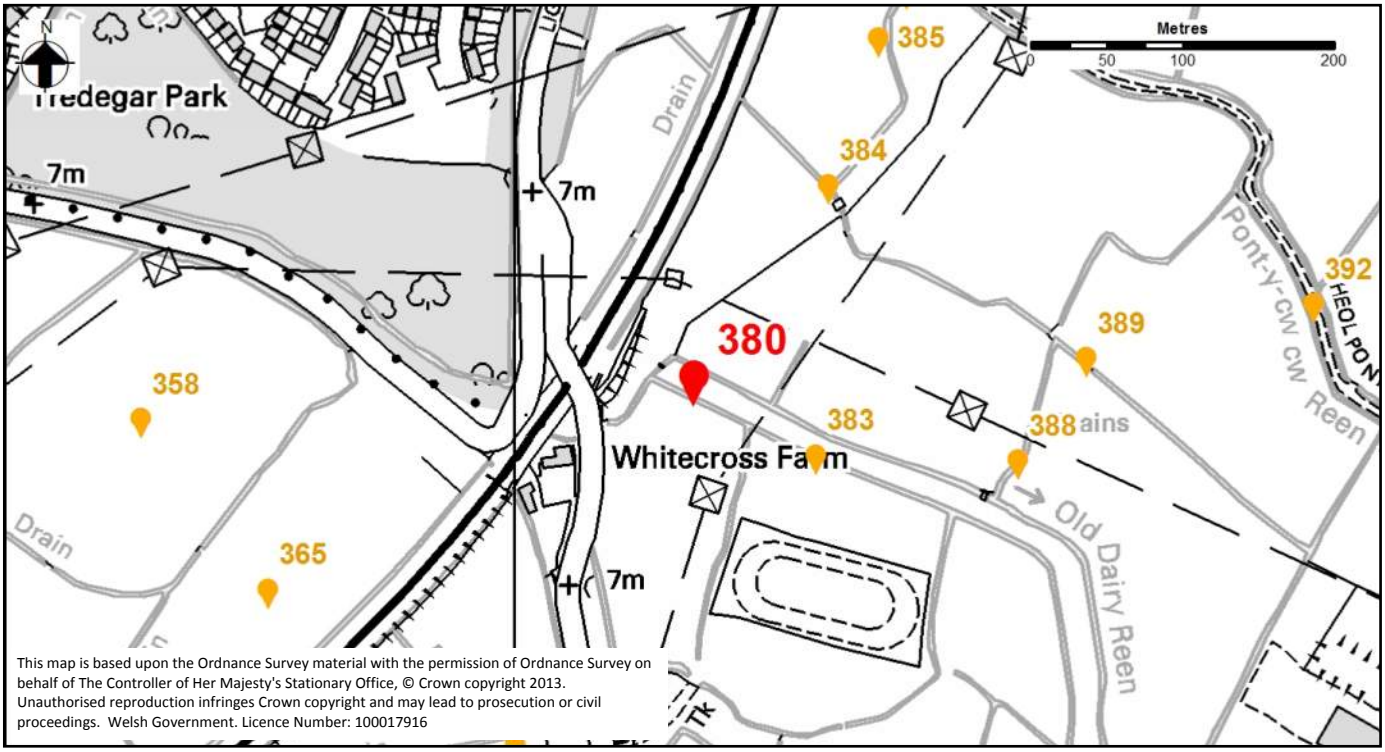

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	382	Date:	25-09-2014 12:28	GPS:	51.55, -3.01

Dominant Habitats:

Ditch, livestock grazing

Potential for Protected Species:

Grass snake

Target Note:

Dead grass snake adjacent to ditch

Target Note Location Map:

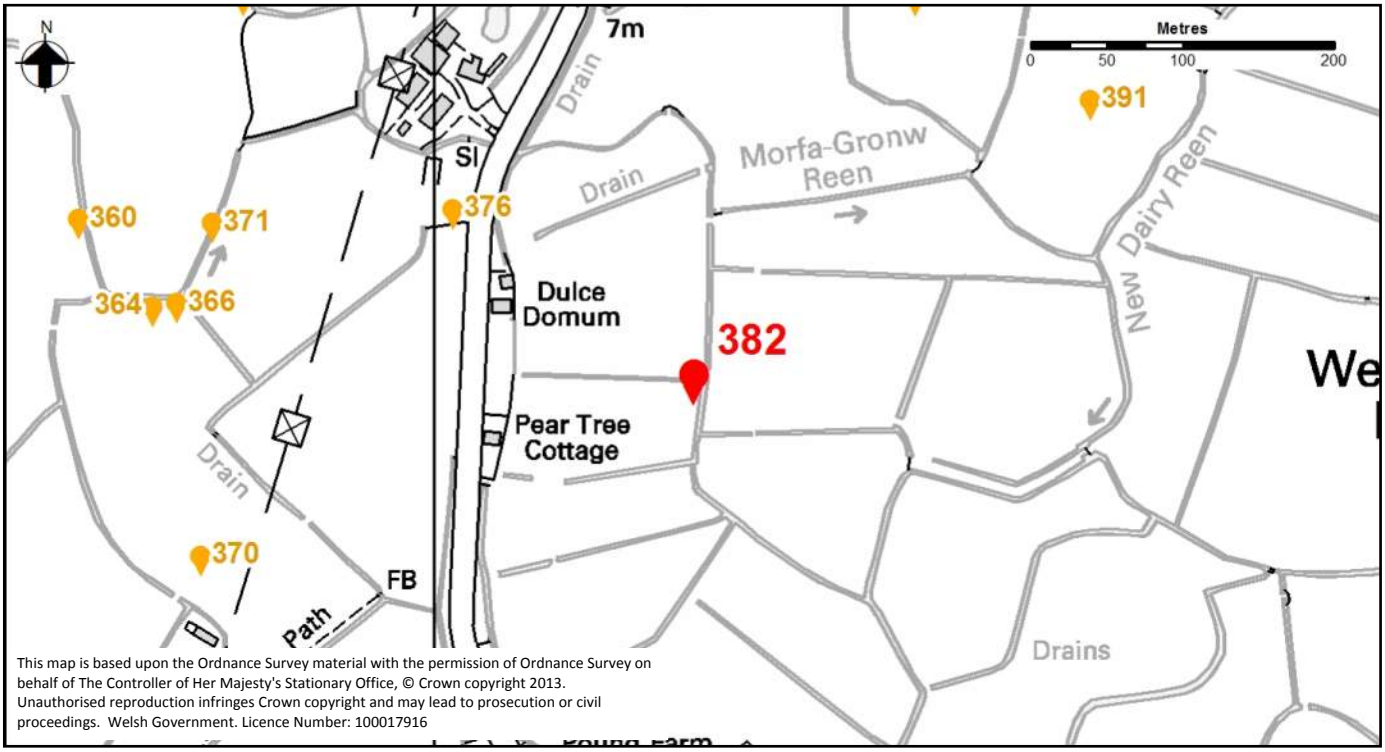

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	383	Date:	24-04-2014 10:49	GPS:	51.55, -3.01

Dominant Habitats:

Ditch/running water

Potential for Protected Species:

Otter/water vole

Target Note:

Mammal pathway in reen

Target Note Location Map:

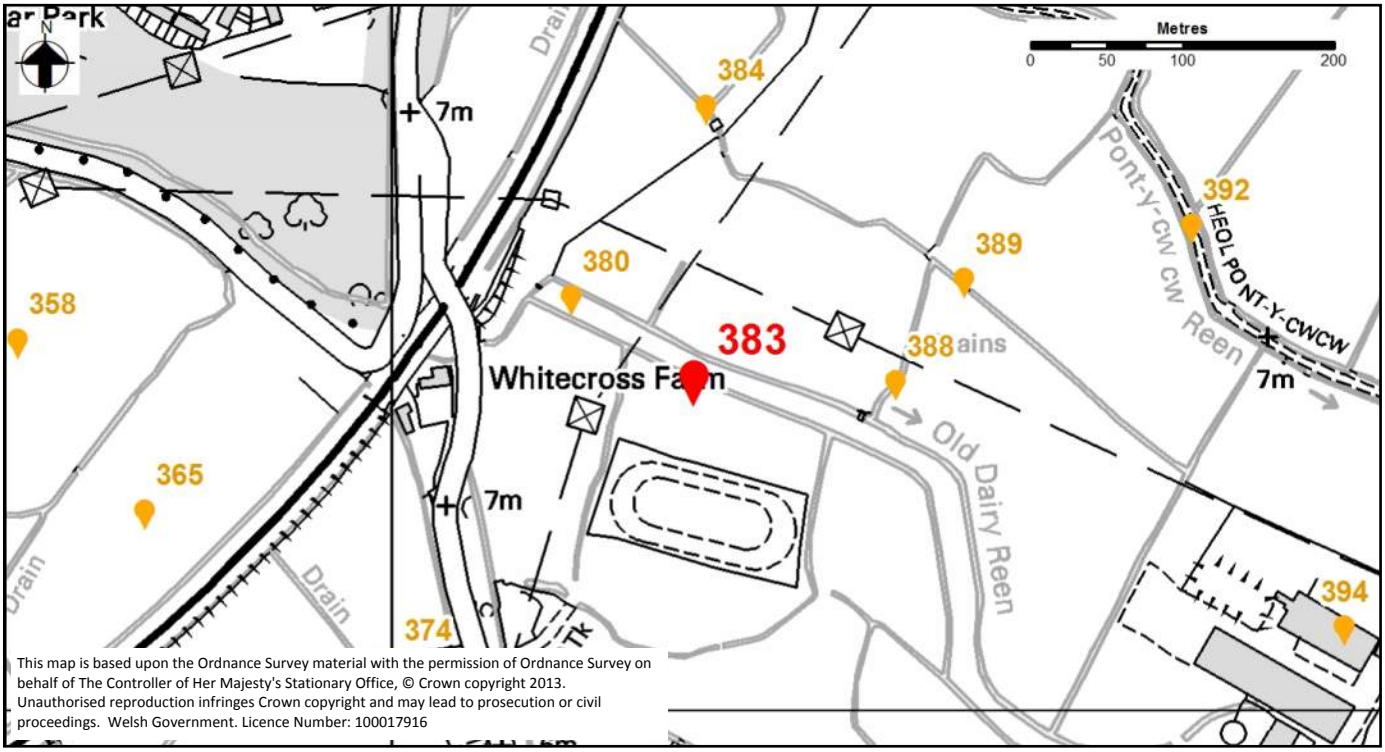

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	384	Date:	26-09-2014 11:24	GPS:	51.55, -3.01

Dominant Habitats:

Ditch, livestock grazing

Target Note:

Newt potential

Potential for Protected Species:

Great crested newt

Target Note Location Map:

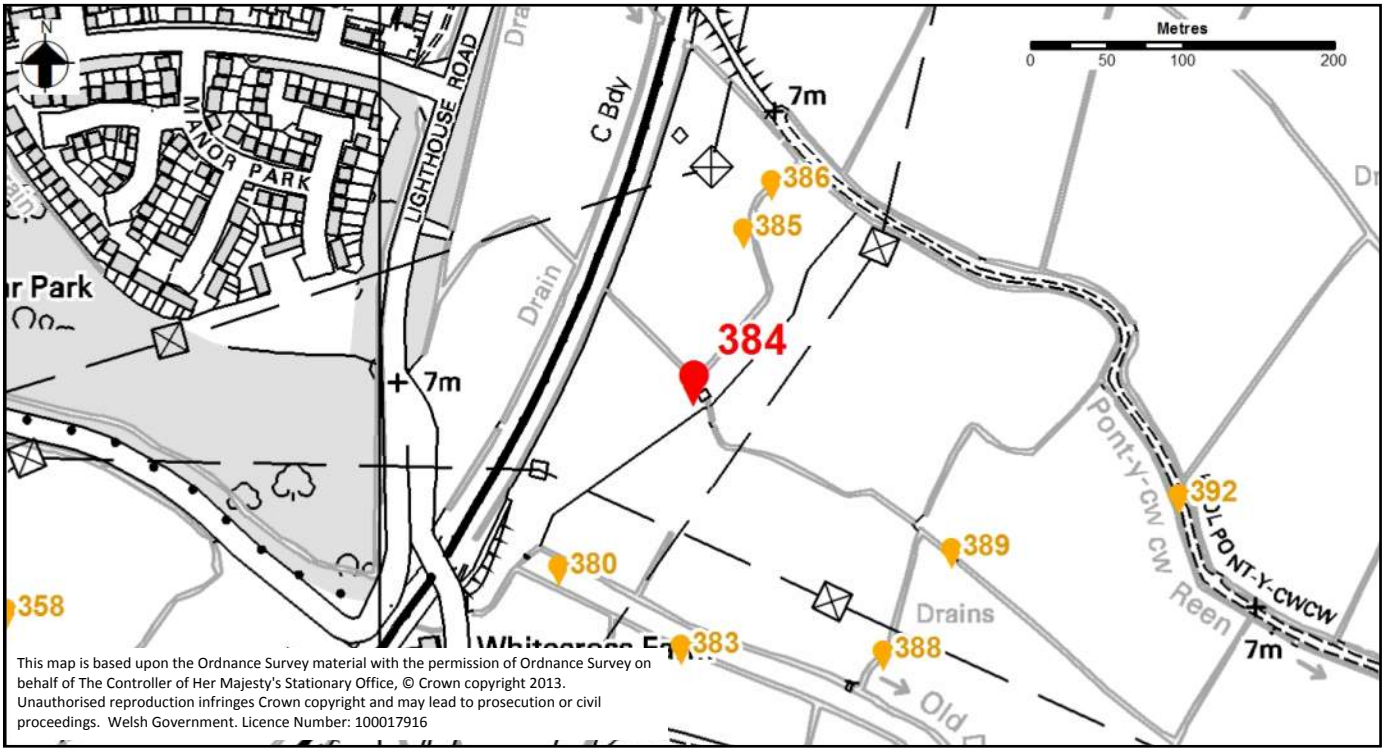

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	385	Date:	26-09-2014	GPS:	51.56, -3.01

Dominant Habitats:

Grassland and ditch

Target Note:

Juvenile smooth newt

Potential for Protected Species:

Amphibians

Target Note Location Map:

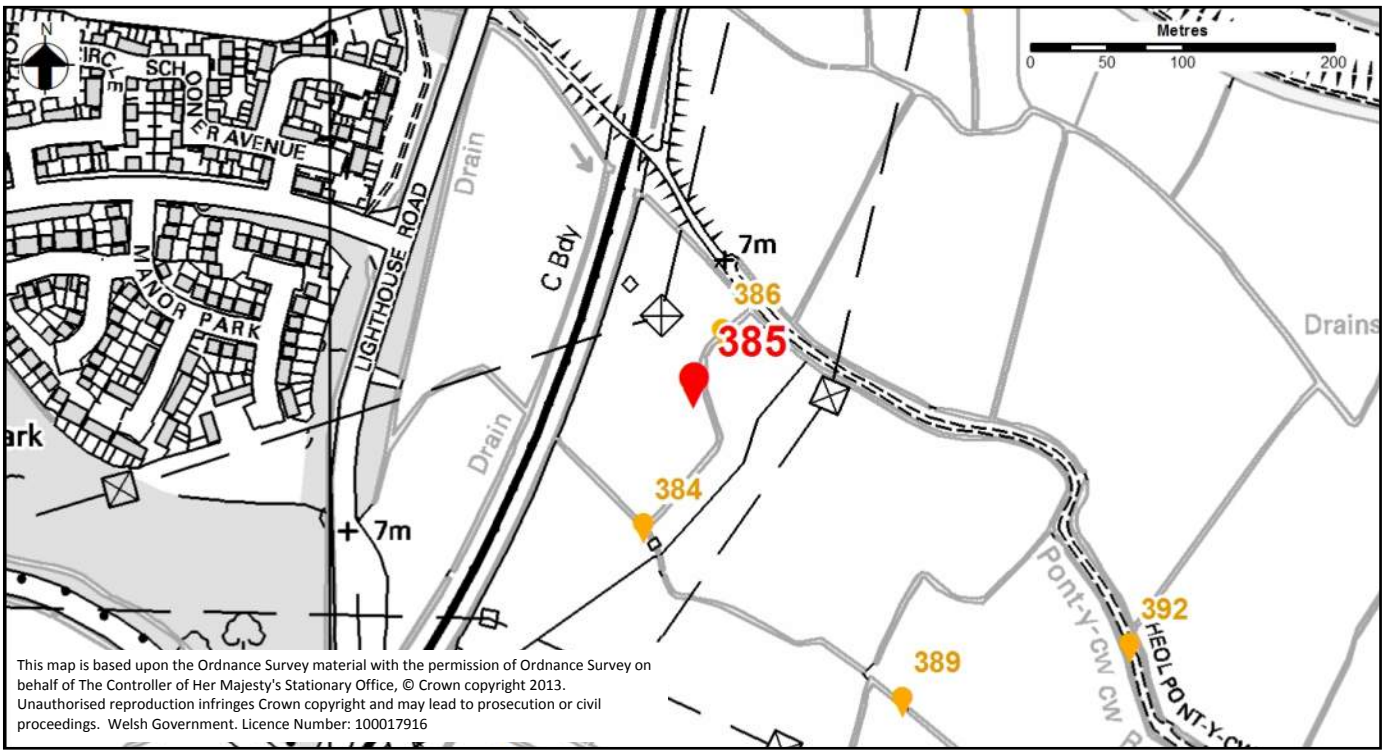

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	386	Date:	26-09-2014 10:55	GPS:	51.56, -3.01

Dominant Habitats:

Ditch, livestock grazing

Potential for Protected Species:

Target Note:

Mammal path

Target Note Location Map:

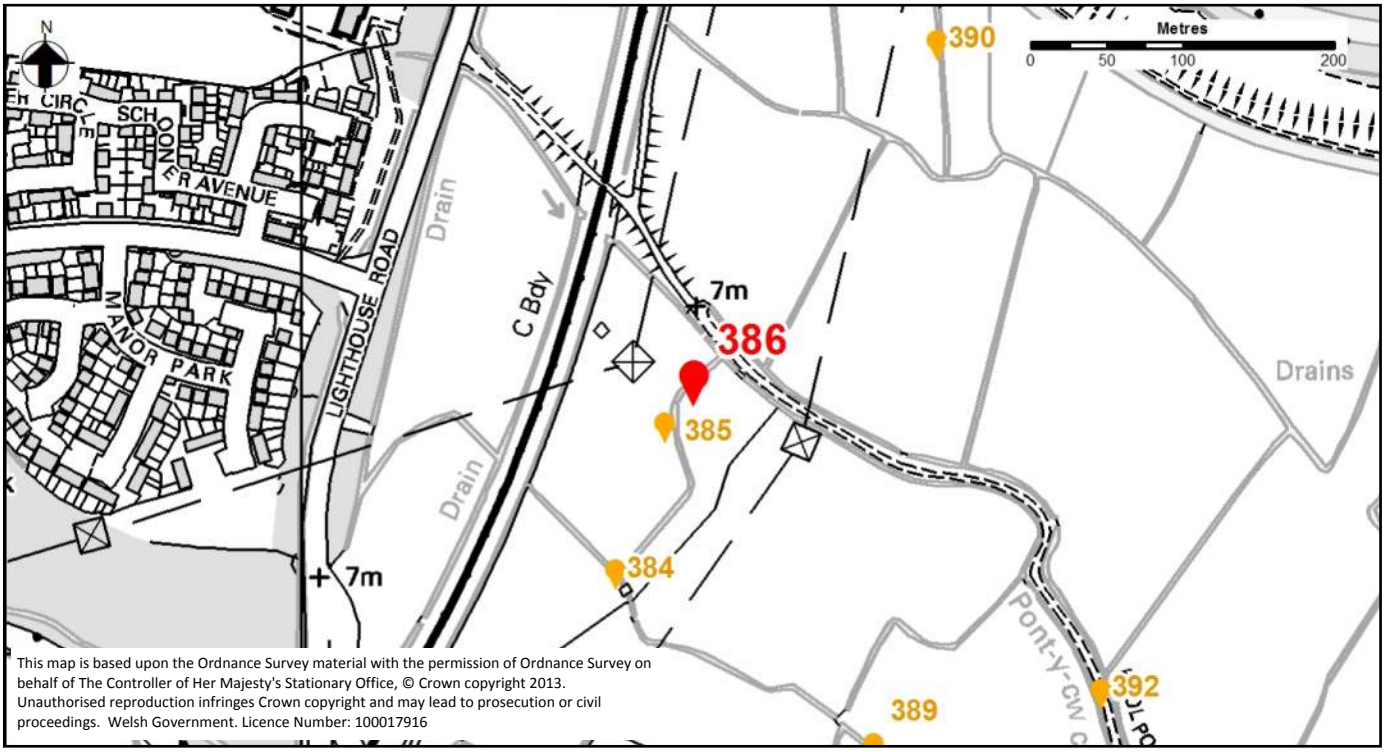

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	387	Date:		GPS:	51.55, -3.01

Dominant Habitats:

Target Note:

White clover, red clover, creeping buttercup, meadow buttercup, rush sp.

Potential for Protected Species:

Target Note Location Map:

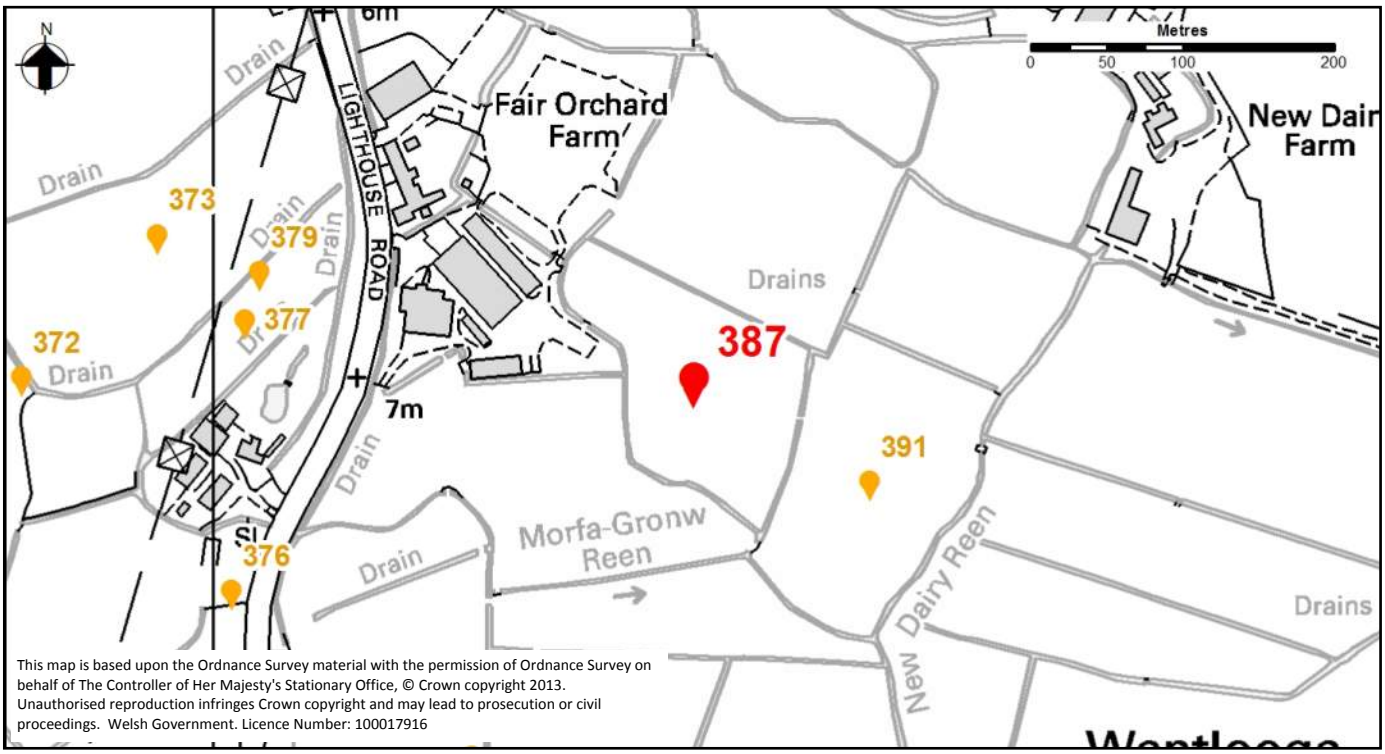

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	388	Date:	24-04-2014 11:21	GPS:	51.55, -3.01

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

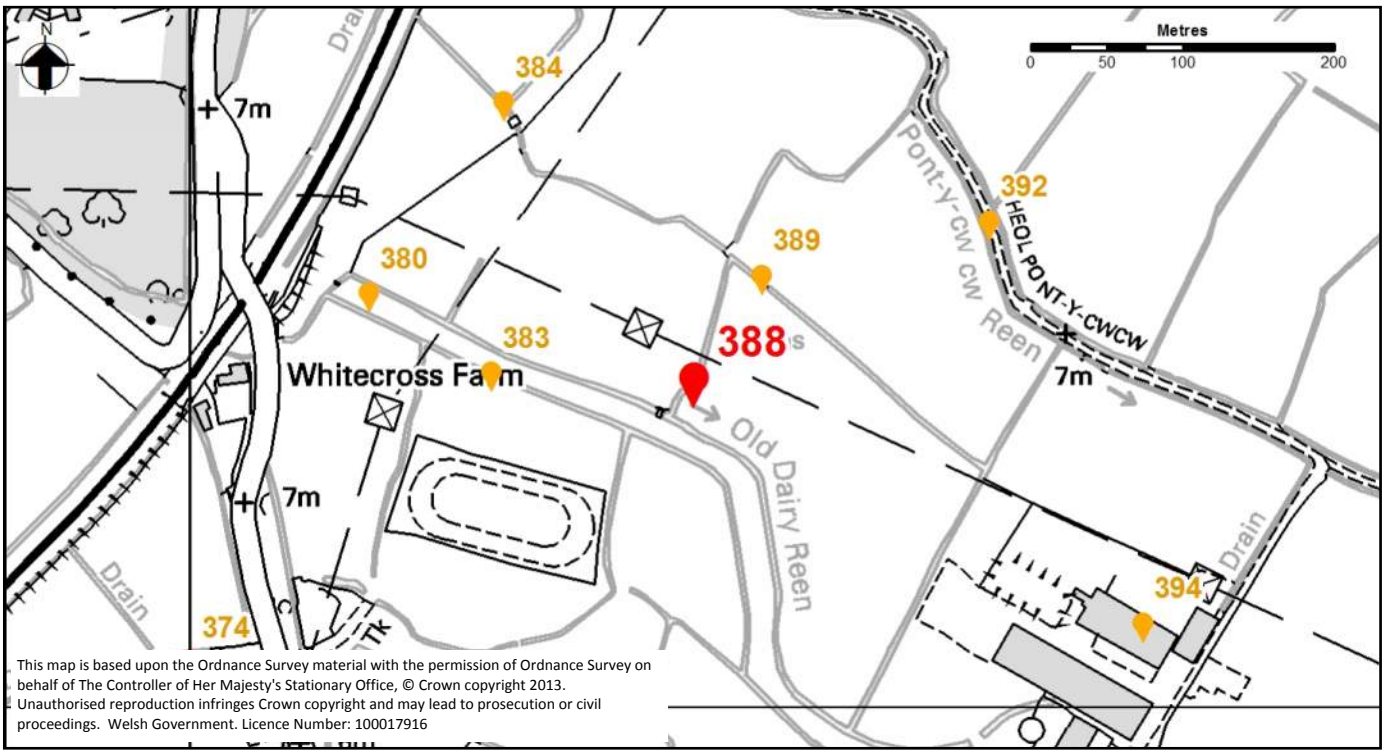

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	389	Date:	30-07-2014	GPS:	51.55, -3.01

Dominant Habitats:

Improved grassland, ditches/reens

Target Note:

Barn owl feather

Potential for Protected Species:

WCA Schedule 1

Target Note Location Map:

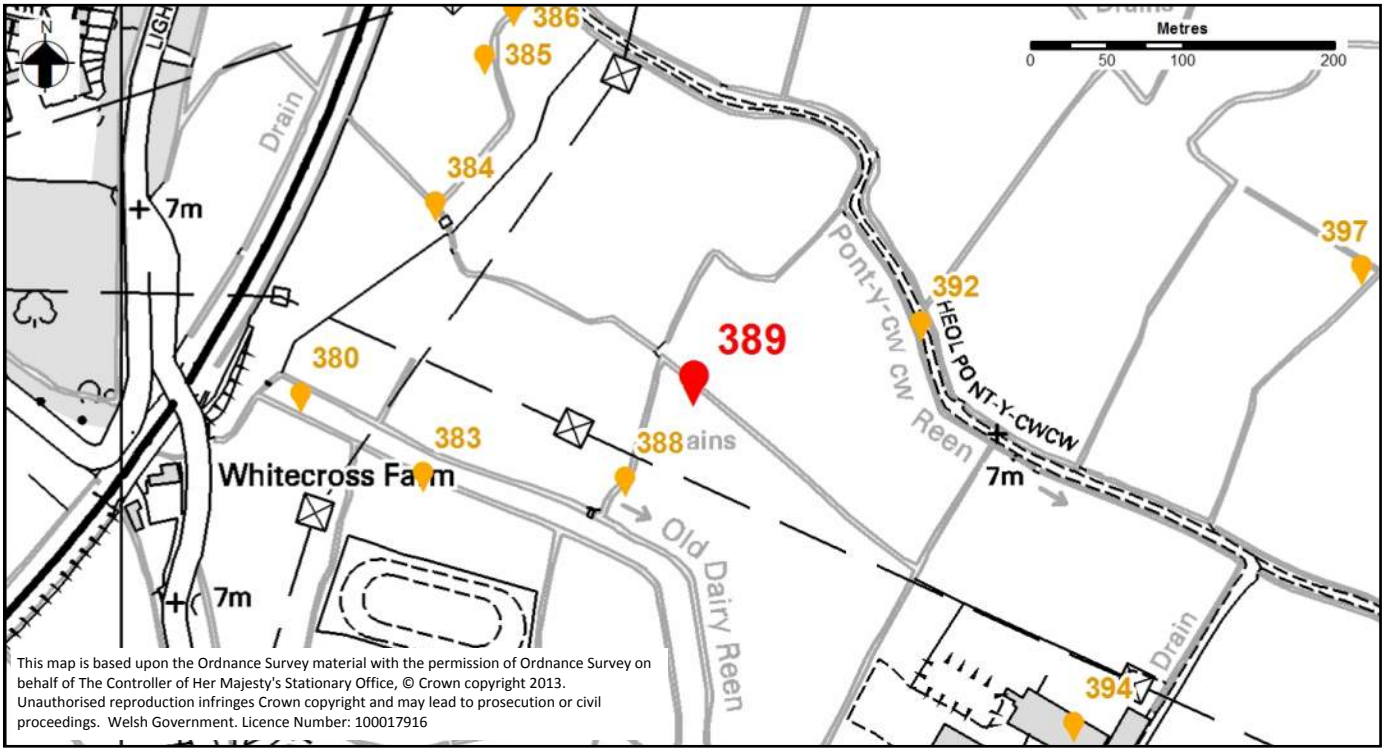

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	390	Date:		GPS:	51.56, -3.01

Dominant Habitats:

Target Note:

4 mature pedunculate oaks

Potential for Protected Species:

Target Note Location Map:

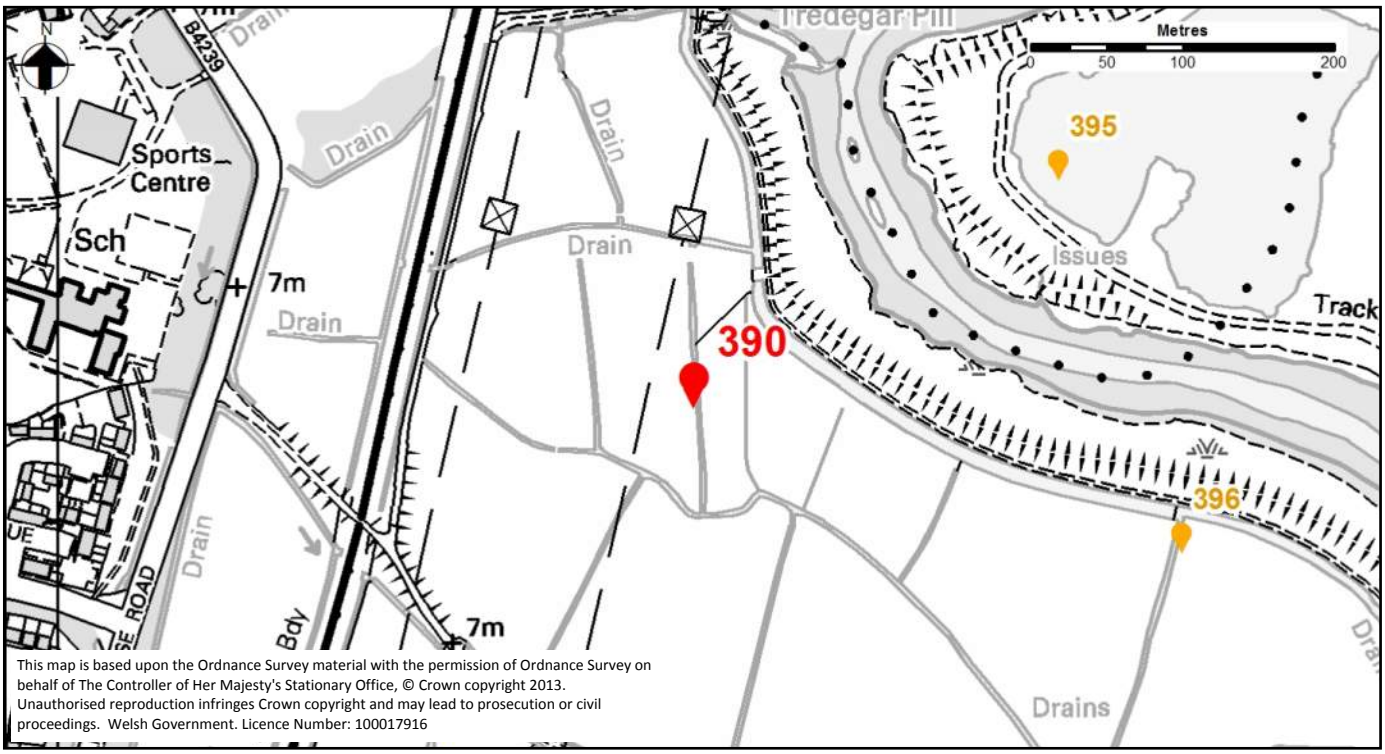

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	391	Date:		GPS:	51.55, -3

Dominant Habitats:

Target Note:

Scentless mayweed, greater plantain, pineapple weed, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

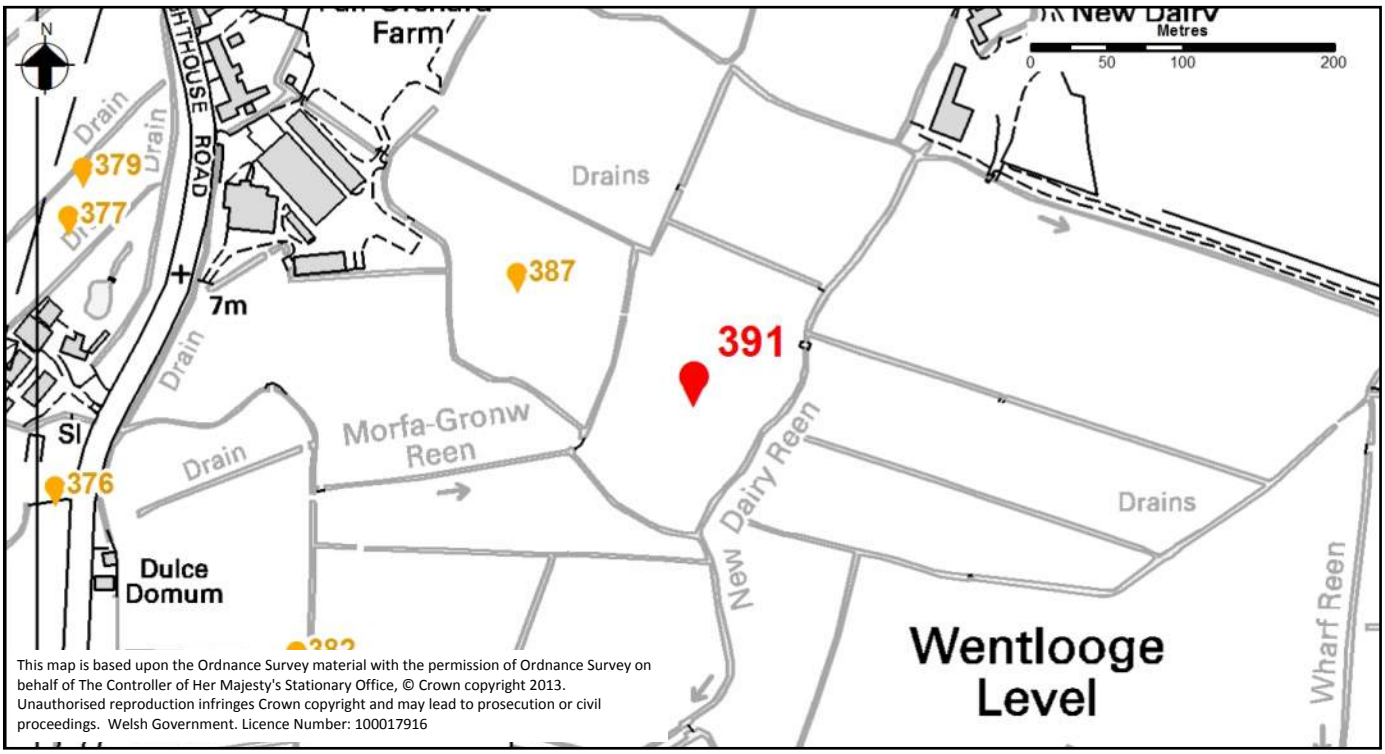

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	392	Date:	24-04-2014	GPS:	51.55, -3

Dominant Habitats:

Arable

Potential for Protected Species:

Lapwing

Target Note:

Lapwing flew in and landed in field

Target Note Location Map:

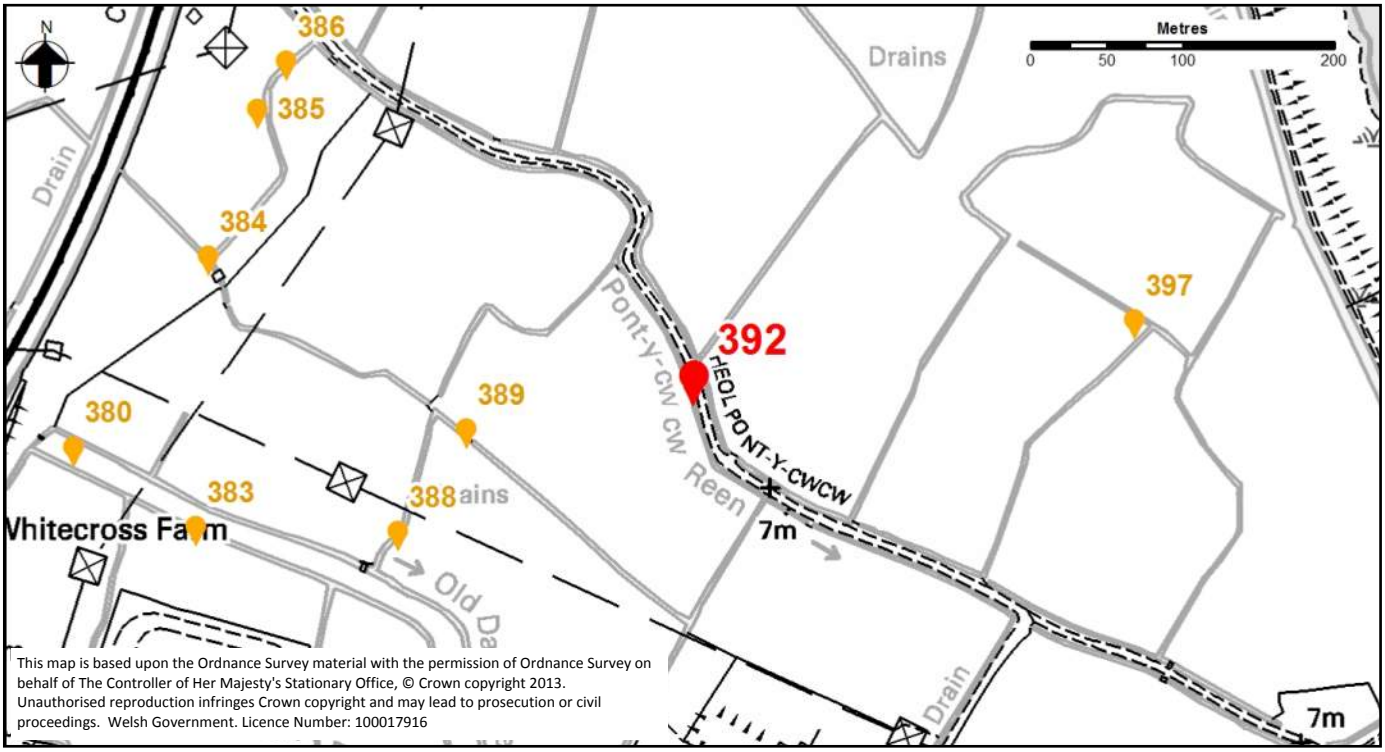

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	394	Date:	10-04-2014	GPS:	51.55, -3

Dominant Habitats:

Roadside, scrub, improved grassland

Target Note:

Japanese knotweed present on both sides of road.

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

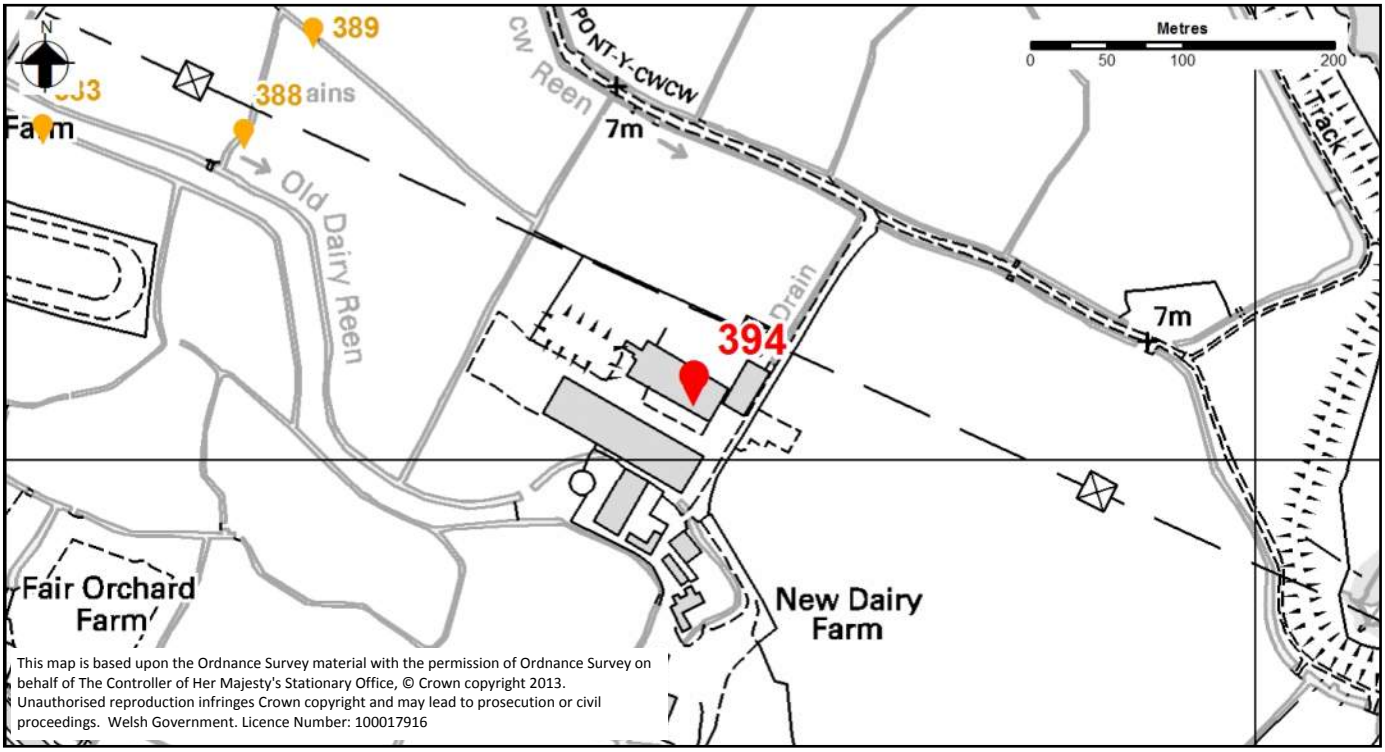

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	395	Date:	10-04-2014	GPS:	51.56, -3

Dominant Habitats:

Grazing marsh, railway embankment, broad leaved woodland

Potential for Protected Species:

Hedgehog

Target Note:

Hedgehog prints

Target Note Location Map:

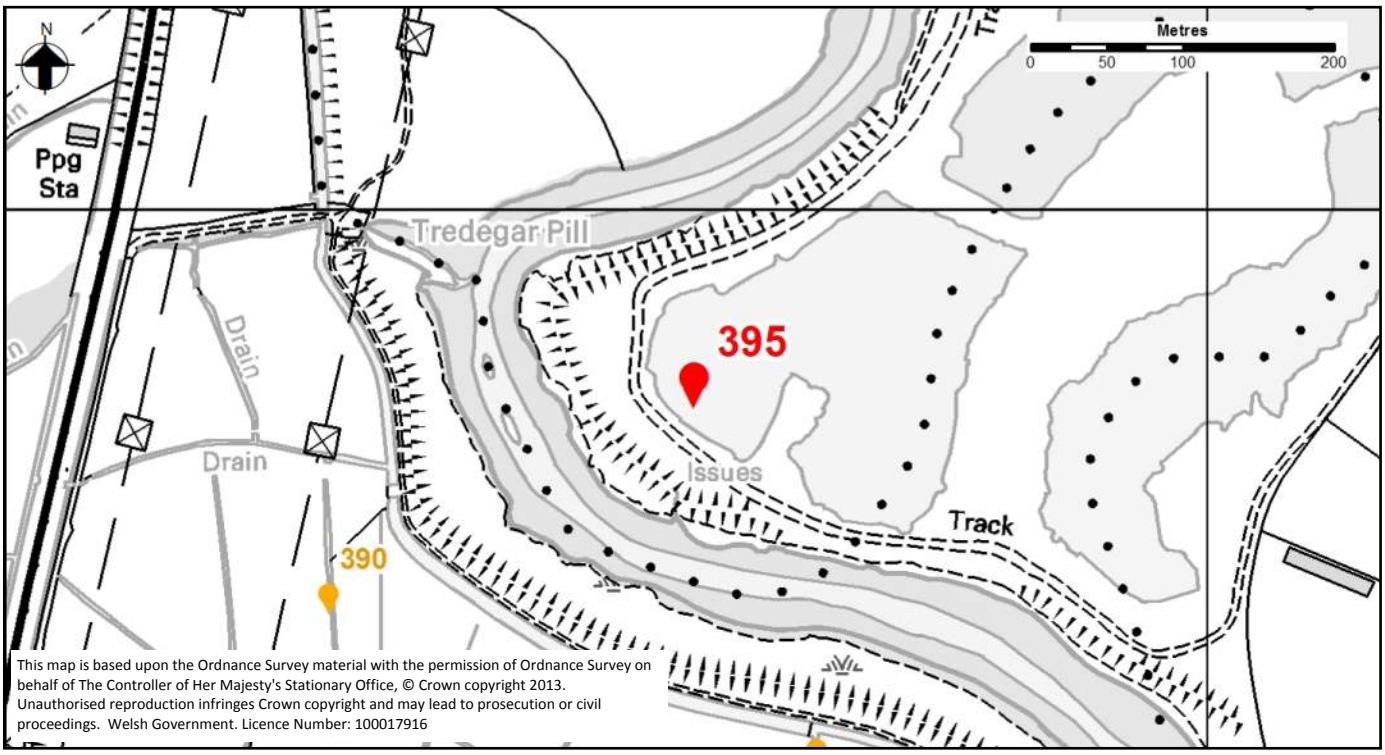

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	396	Date:	22-09-2014 11:38	GPS:	51.56, -3

Dominant Habitats:

Reen, livestock grazing

Potential for Protected Species:

Target Note:

Fish in waterbody

Target Note Location Map:

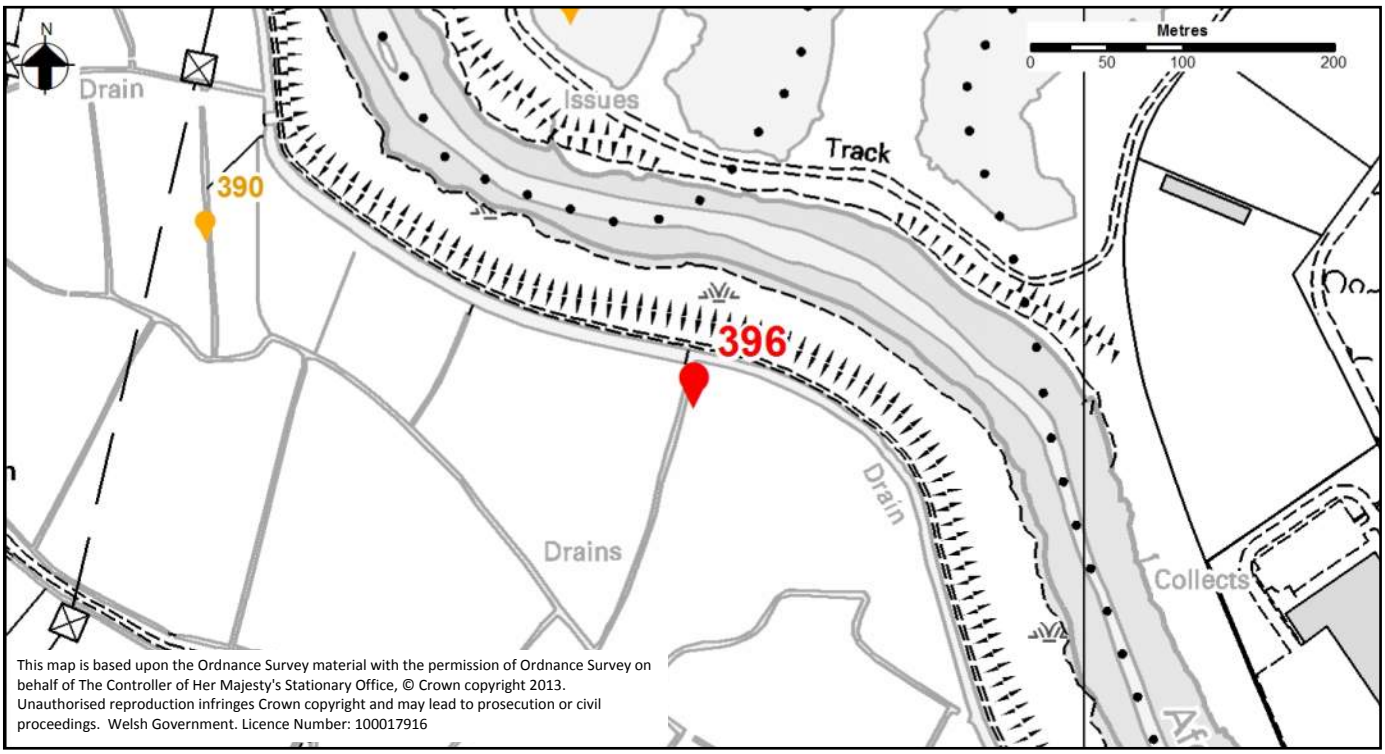

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	397	Date:	24-04-2014 12:45	GPS:	51.55, -3

Dominant Habitats:

Target Note:

Possible otter print

Potential for Protected Species:

Otter

Target Note Location Map:

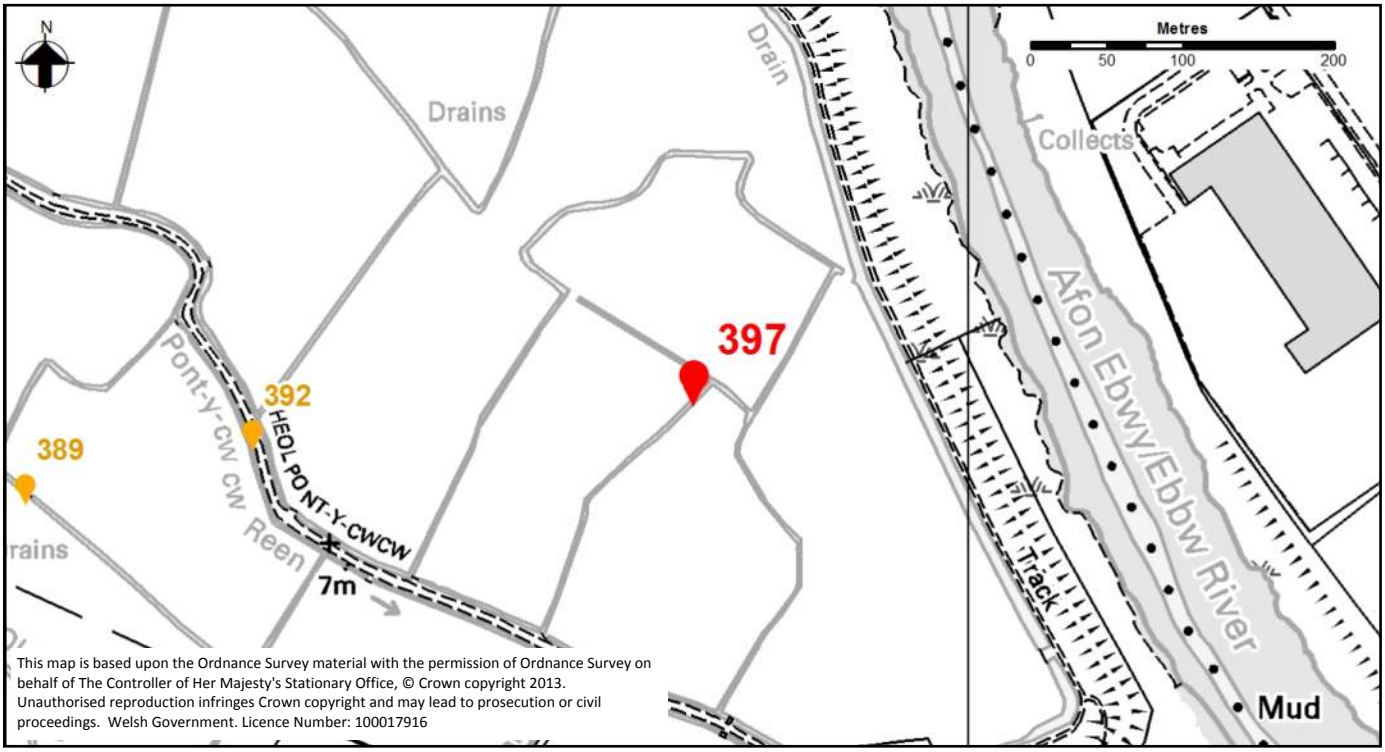

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	398	Date:	31-10-2014 15:02	GPS:	51.57, -2.98

Dominant Habitats:

Pond, saltmarsh, urban,park/garden

Target Note:

Japanese knotweed growing in vegetation near footpath

Potential for Protected Species:

WCA Schedule 9 invasive

Target Note Location Map:

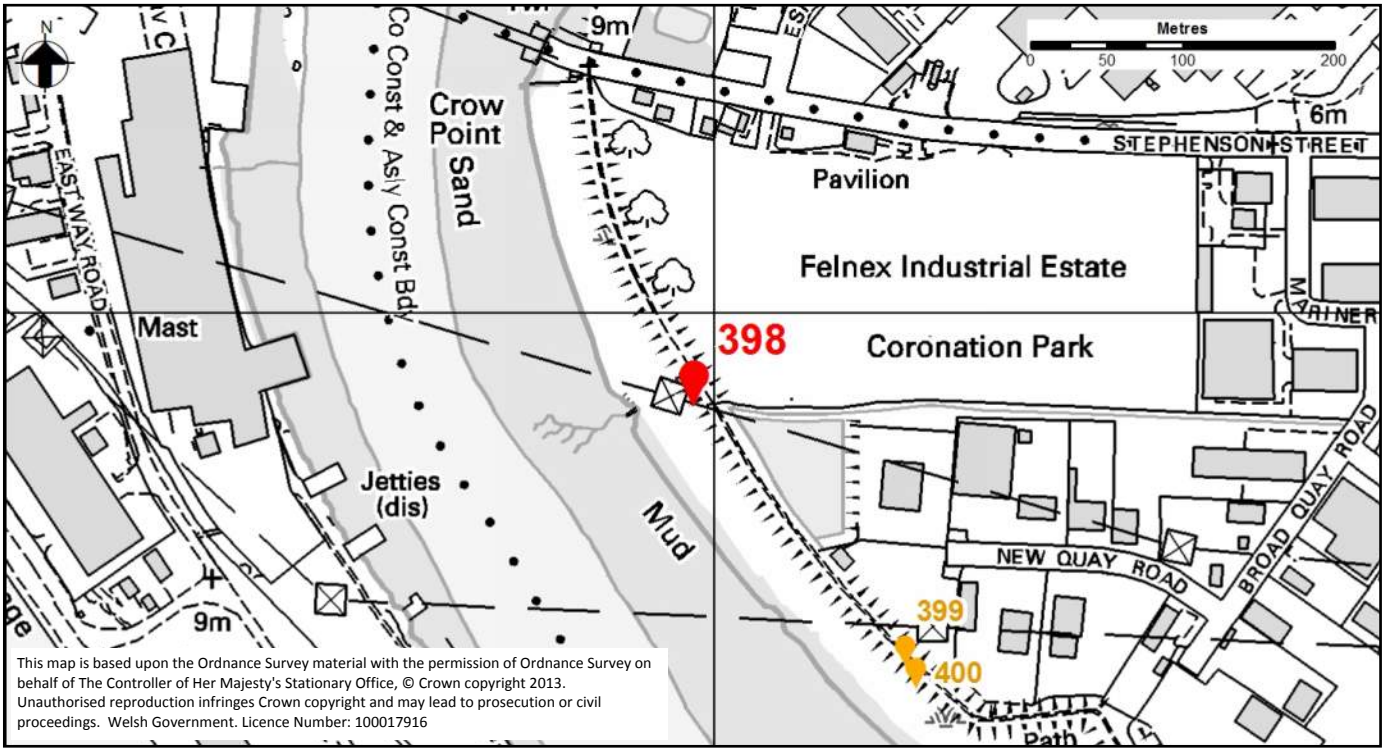

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	399	Date:		GPS:	51.57, -2.98

Dominant Habitats:

Target Note:

Japanese knotweed stand

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

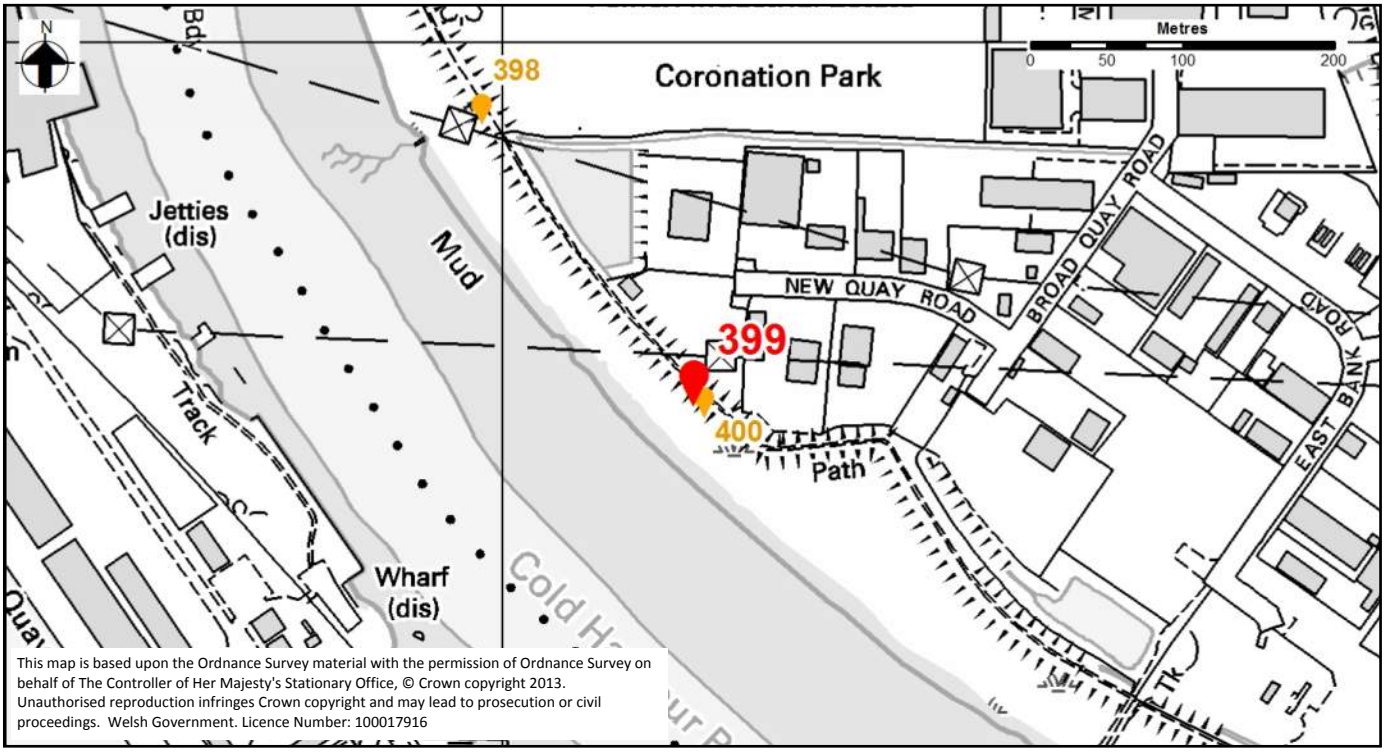

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	400	Date:	27-03-2014	GPS:	51.57, -2.98

Dominant Habitats:

Target Note:

Japanese knotweed emerging

Potential for Protected Species:

WCA Schedule 9 Invasive Species

Target Note Location Map:

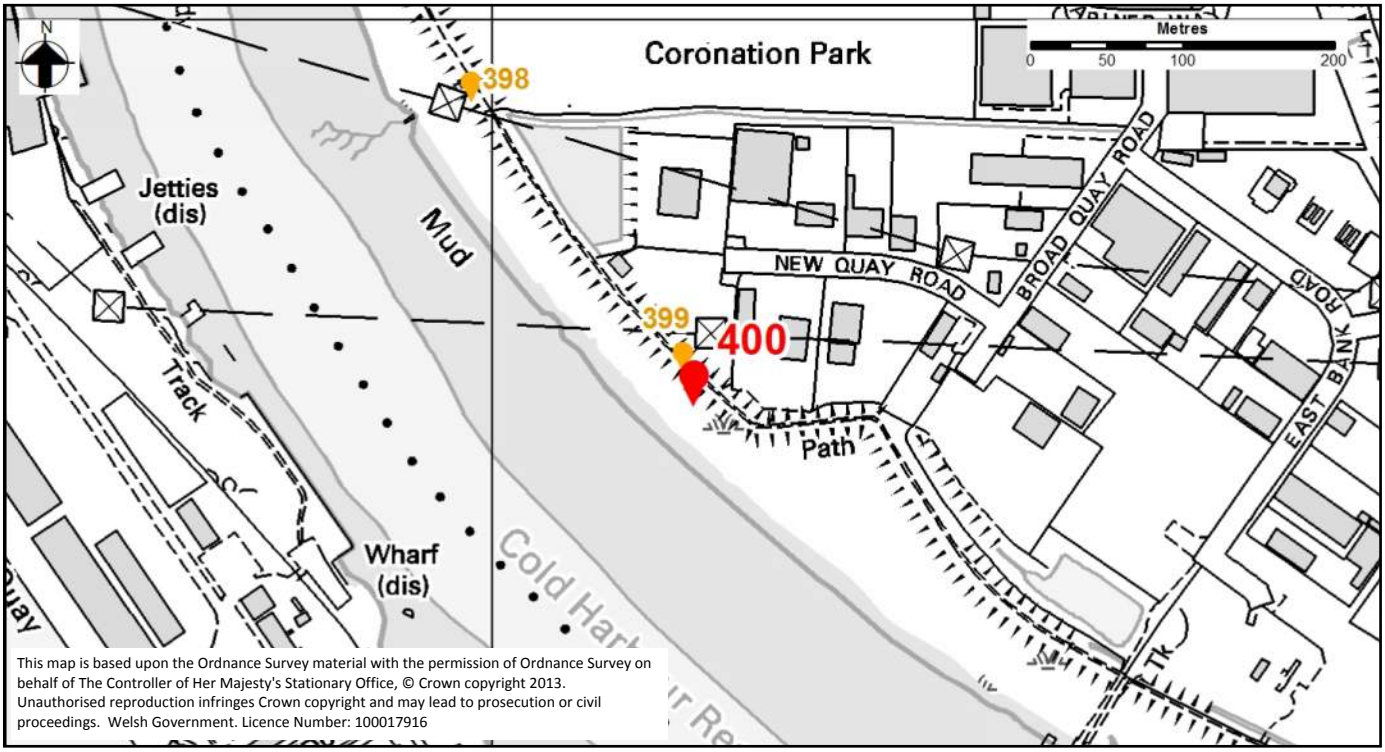

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	401	Date:	07-10-2014 12:06	GPS:	51.57, -2.96

Dominant Habitats:

Ditch, Scrub

Target Note:

Buzzard circling overhead.

Potential for Protected Species:

Buzzard

Target Note Location Map:

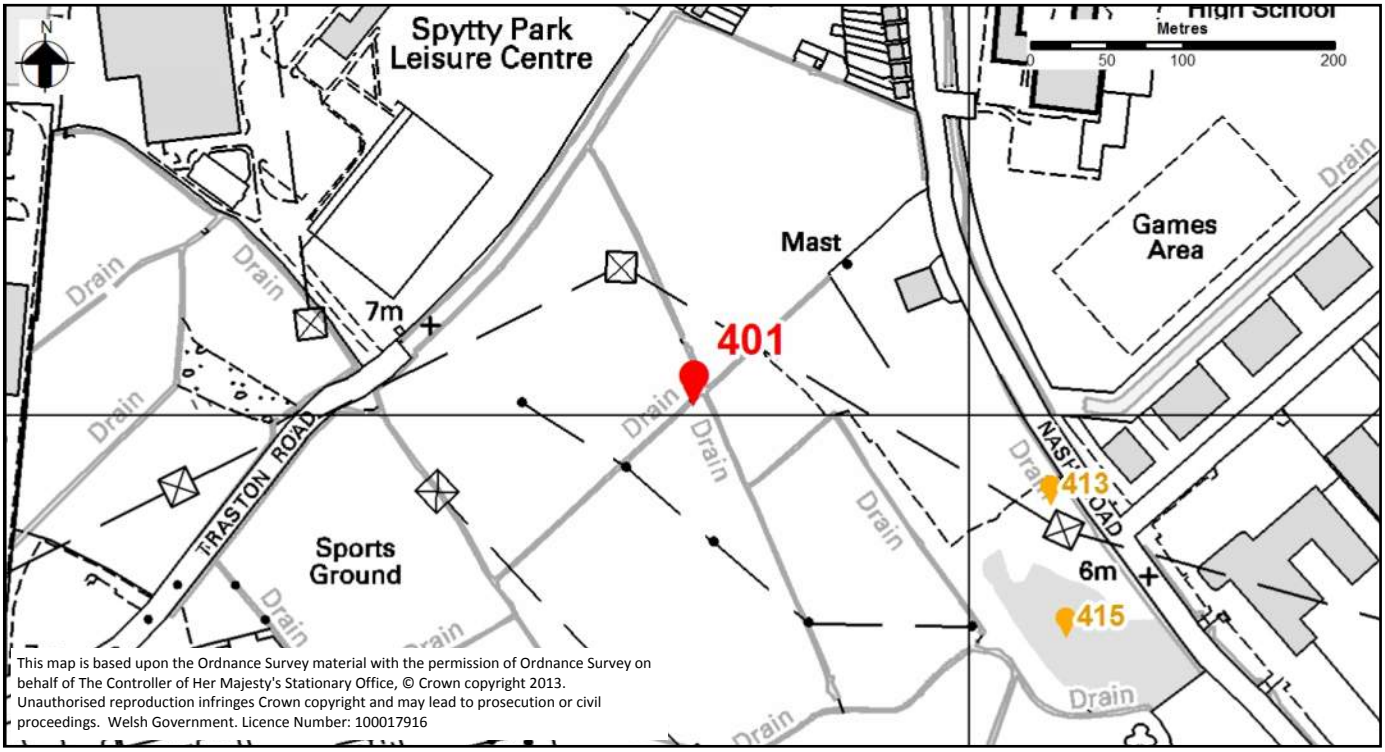

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	402	Date:		GPS:	51.56, -2.96

Dominant Habitats:

Target Note:

Teasel, fleabane, buddleia, ragwort, evening primrose, bramble, centaury, dogweed, sweetpea

Potential for Protected Species:

Target Note Location Map:

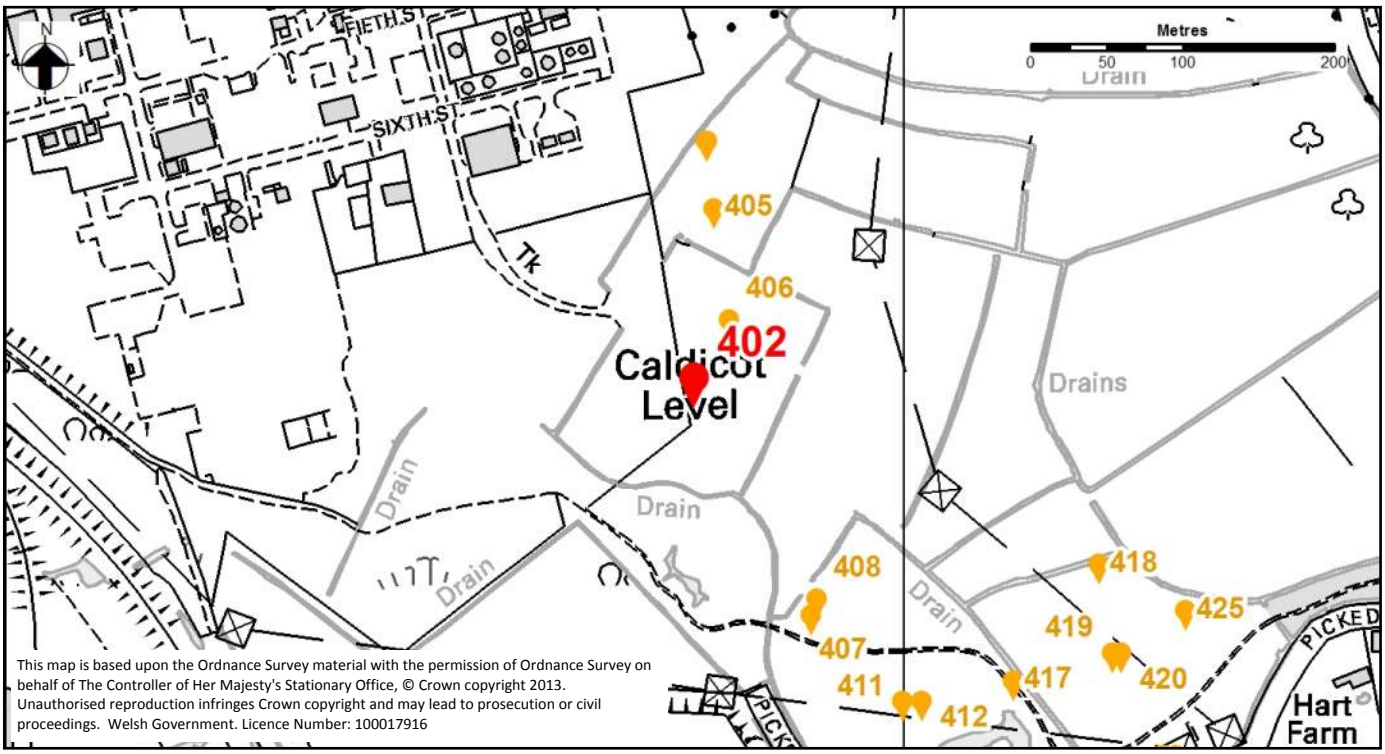

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	403	Date:		GPS:	51.56, -2.96

Dominant Habitats:

Target Note:

Willow, bramble, nettle

Potential for Protected Species:

Target Note Location Map:

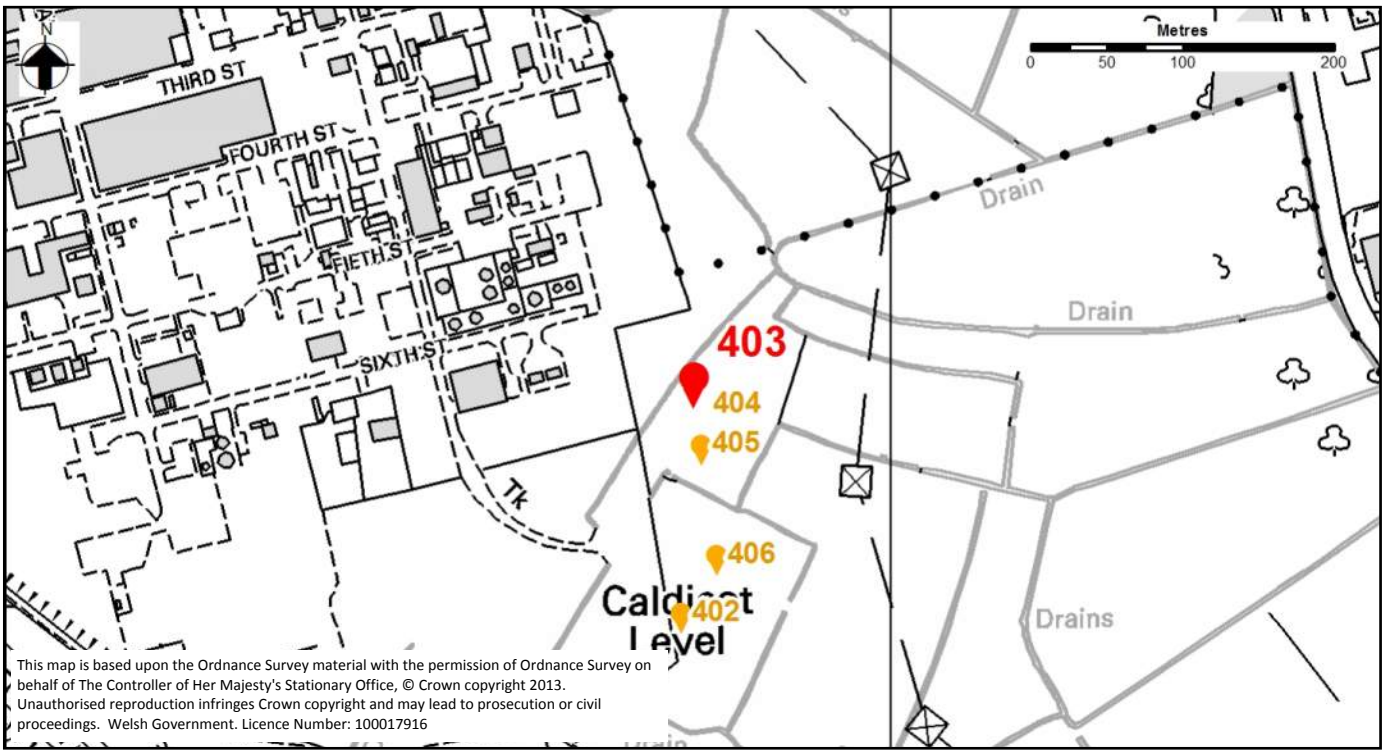

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	404	Date:		GPS:	51.56, -2.96

Dominant Habitats:

Target Note:

Willow, bramble, nettle

Potential for Protected Species:

Target Note Location Map:

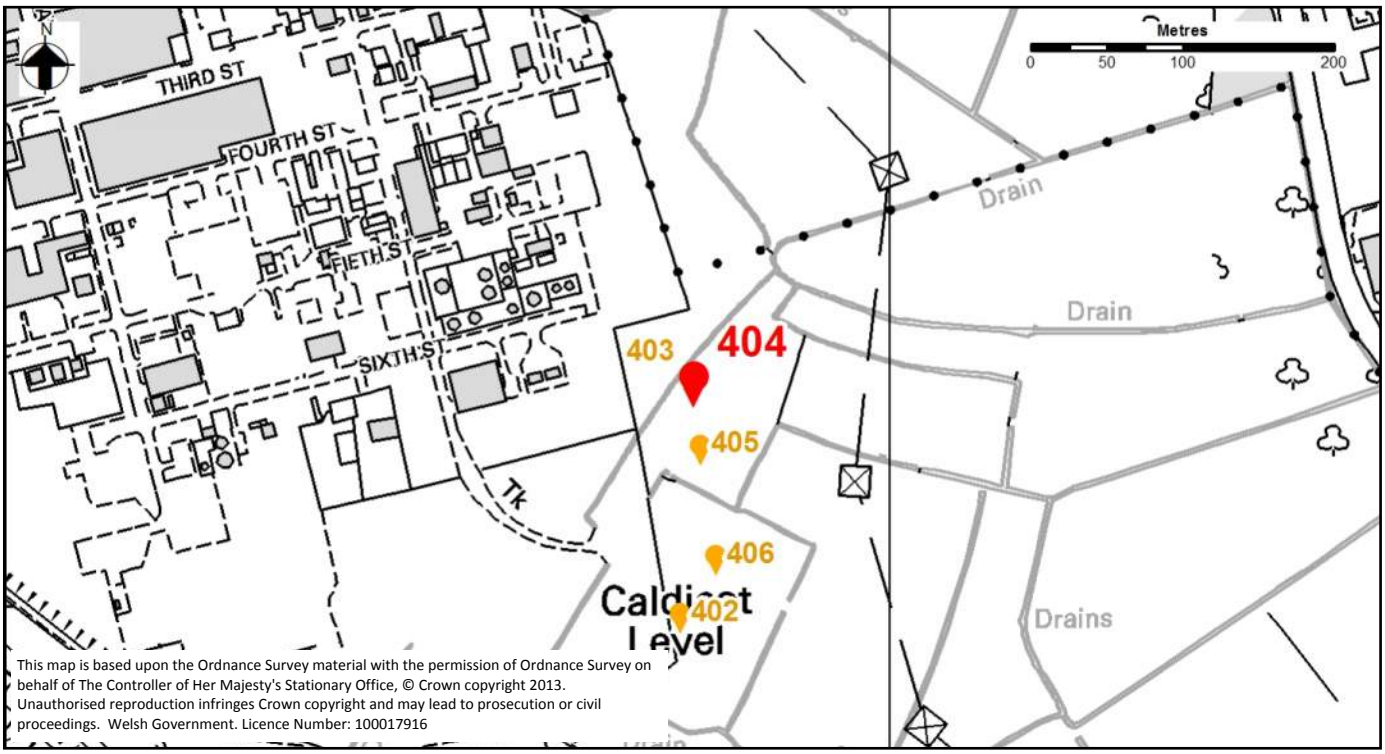

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	405	Date:		GPS:	51.56, -2.96

Dominant Habitats:

Target Note:

Teasel, fleabane, ragwort, narrow leaved dock, hoary mustard, thistle sp., great willowherb, rosebay willowherb

Potential for Protected Species:

Target Note Location Map:

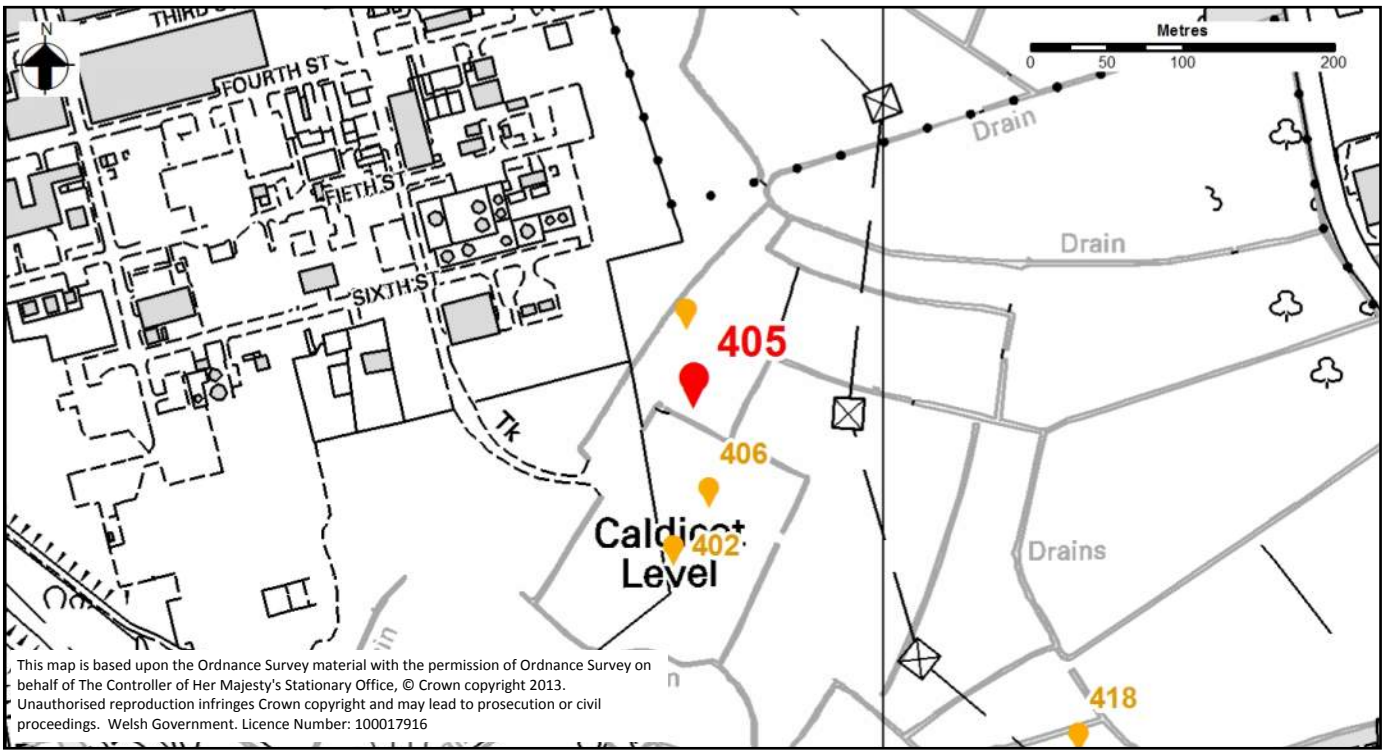

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	406	Date:	31-07-2014	GPS:	51.56, -2.96

Dominant Habitats:

G

Target Note:

Common reed on dry area - possible old or dried pond with rubble and mixed scrub/ruderal vegetation

Potential for Protected Species:

Amphibians and reptiles

Target Note Location Map:

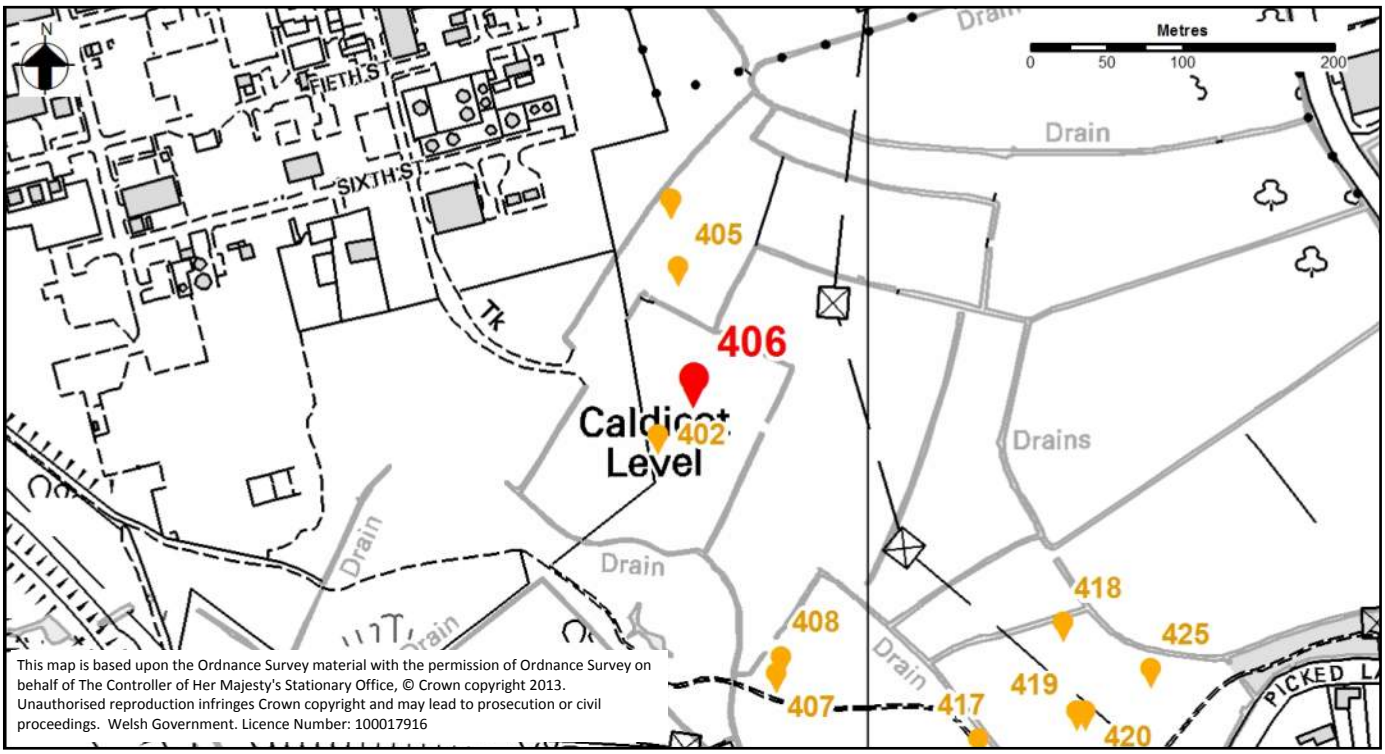

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	407	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Willow, bramble, nettle

Potential for Protected Species:

Target Note Location Map:

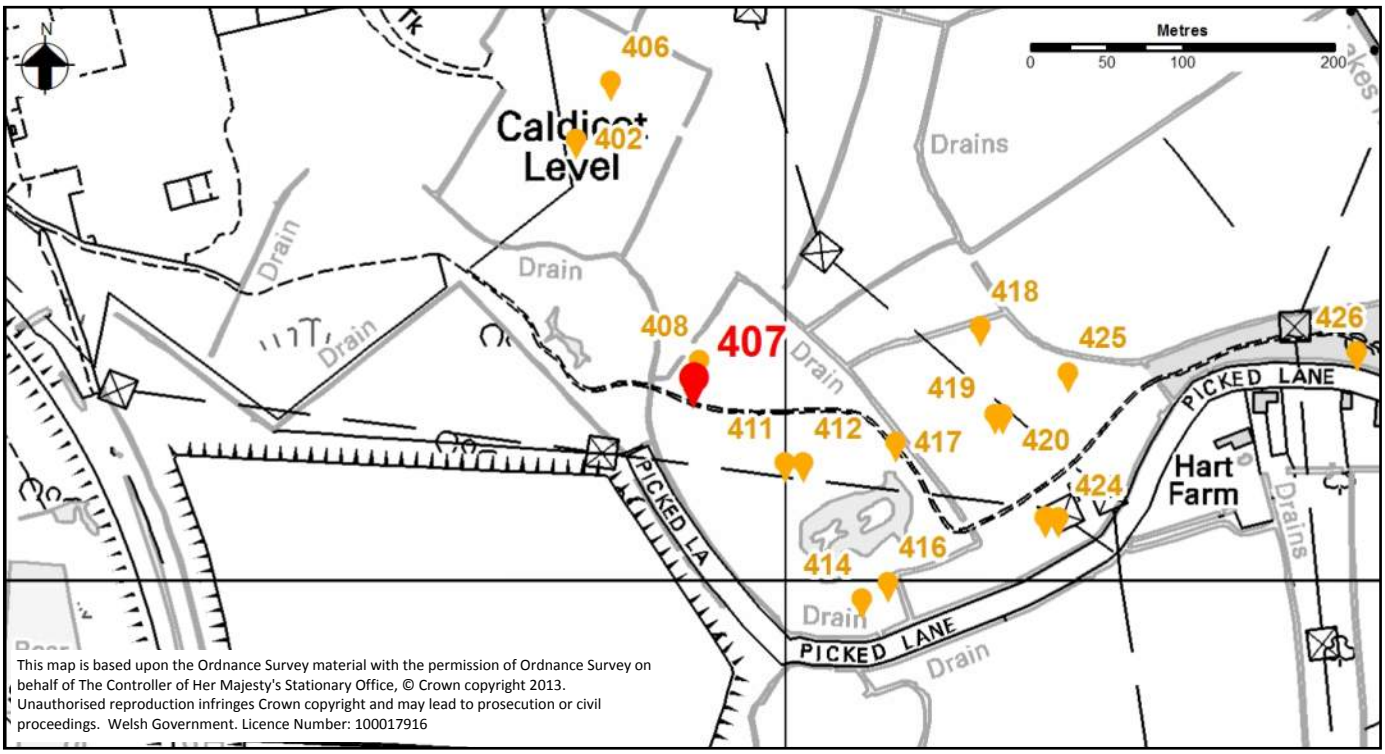

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	408	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Willow, bramble, nettle

Potential for Protected Species:

Target Note Location Map:

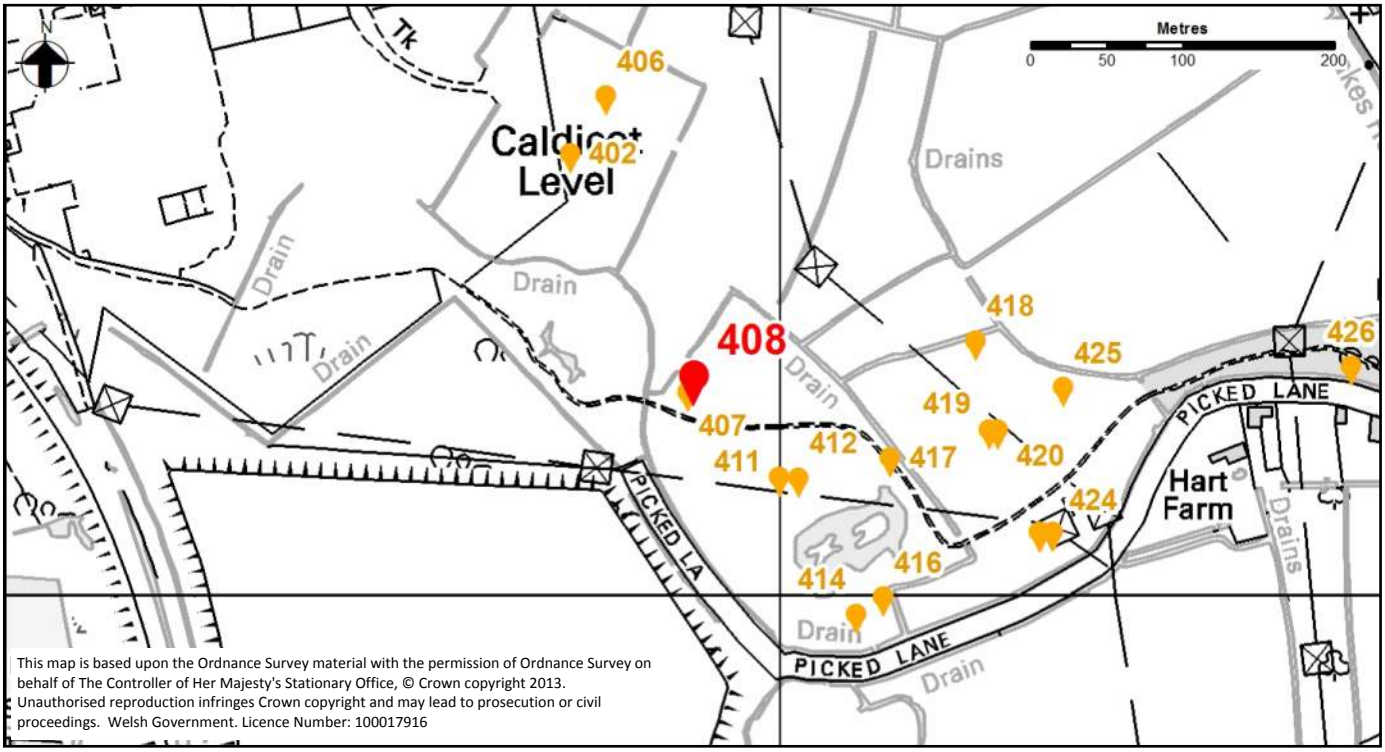

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	409	Date:	17-10-2014	GPS:	51.56, -2.95

Dominant Habitats:

Hedge / ditch / broadleaved woodland.

Potential for Protected Species:

Barn owl

Target Note:

Barn owl in old ivy covered tree.

Target Note Location Map:

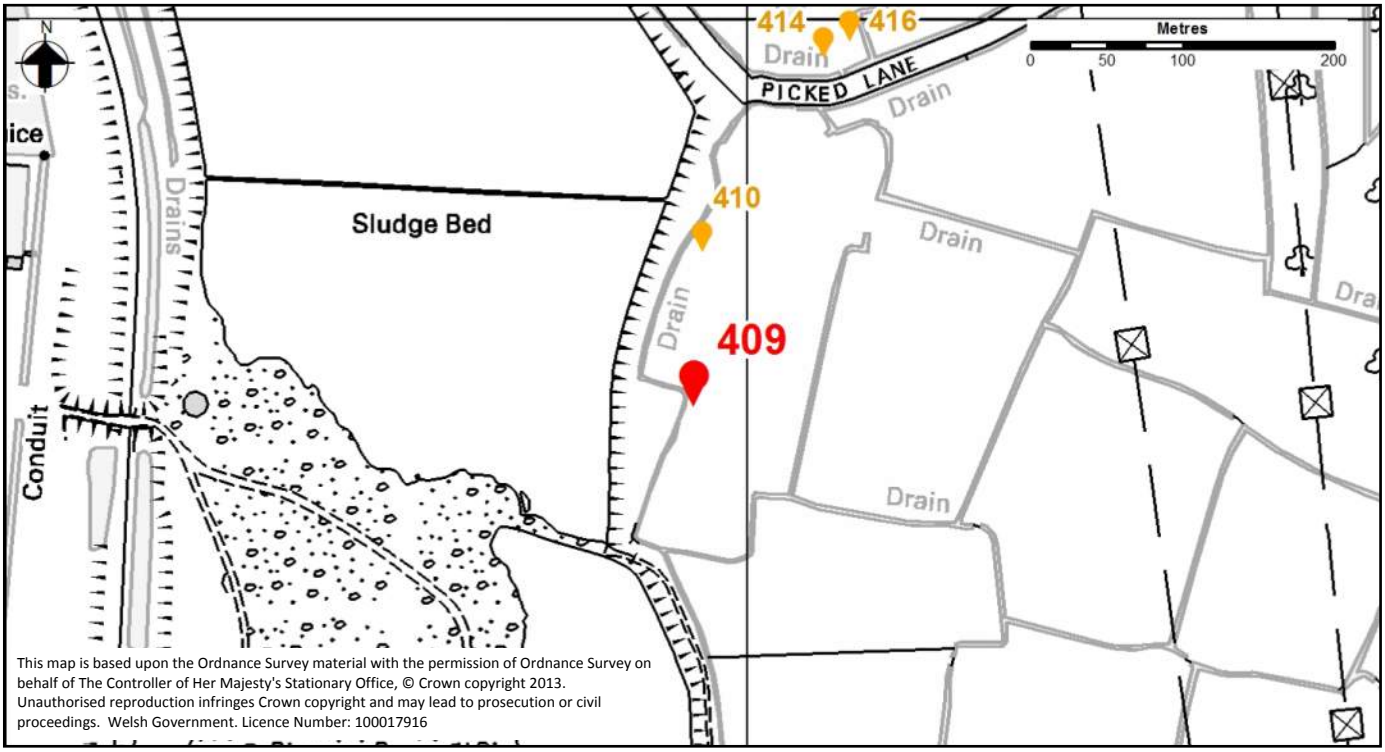

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	410	Date:	17-10-2014	GPS:	51.56, -2.95

Dominant Habitats:

Woodland / ditch / hedgerow

Target Note:

Barn owl box in ash tree.

Potential for Protected Species:

Barn owl

Target Note Location Map:

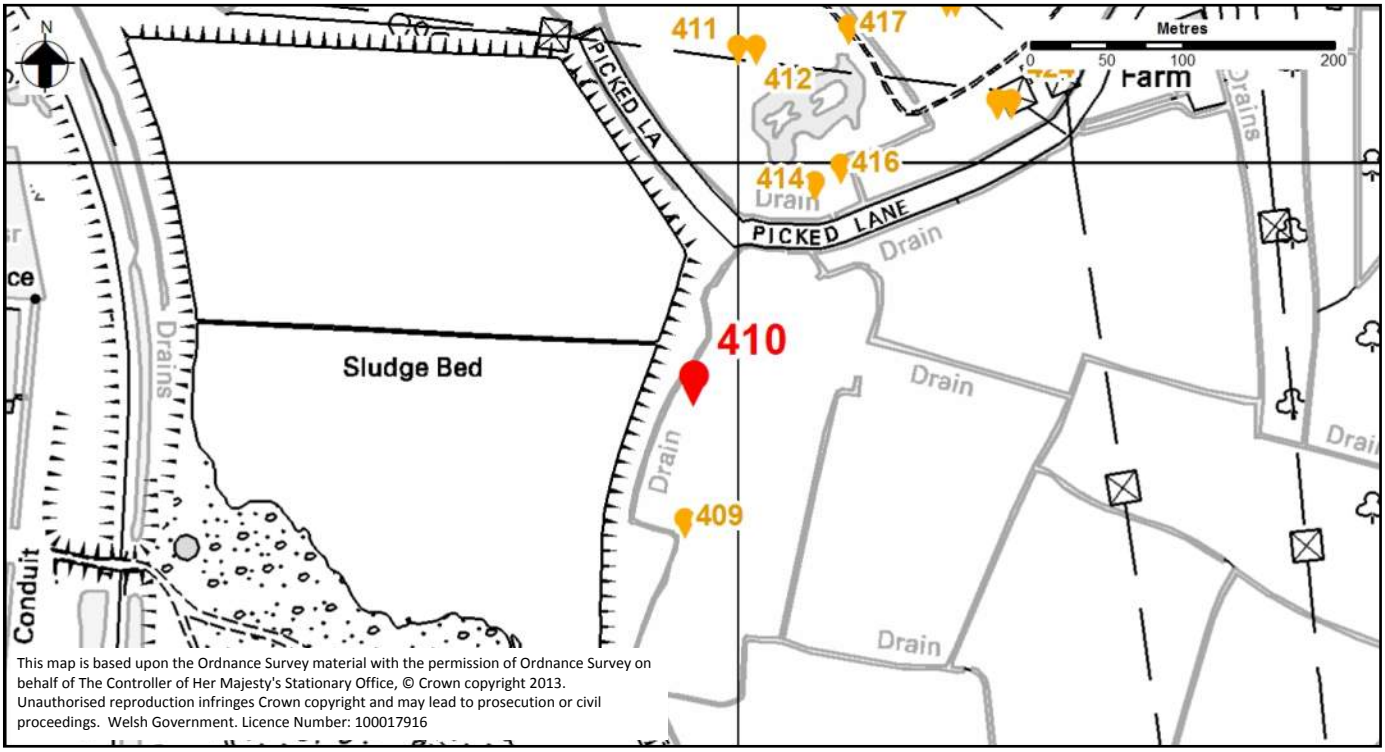

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	411	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Common nettle, bush vetch, hogweed, knapweed, sheep sorrel, hedge bindweed, bramble, false oat grass

Potential for Protected Species:

Target Note Location Map:

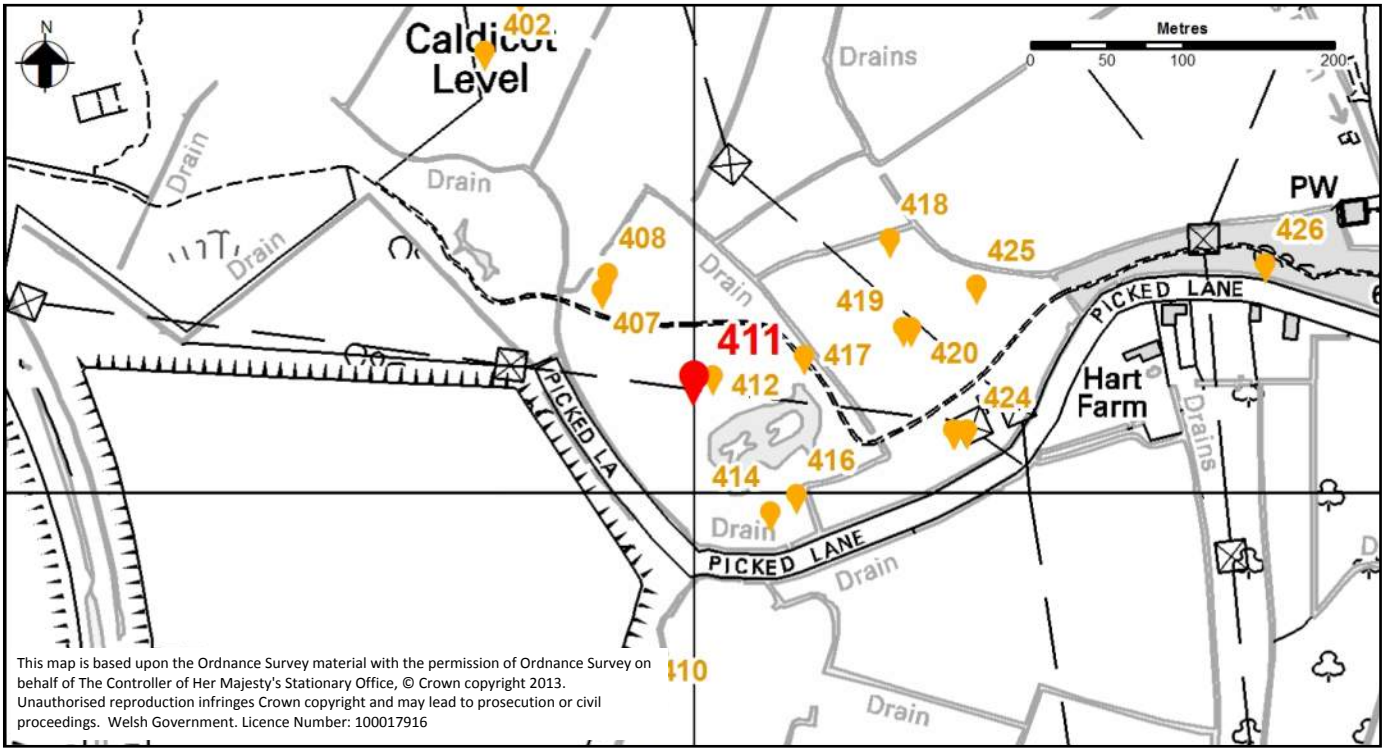

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	412	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Common nettle, bush vetch, hogweed, knapweed, sheep sorrel, hedge bindweed, bramble, false oat grass

Potential for Protected Species:

Target Note Location Map:

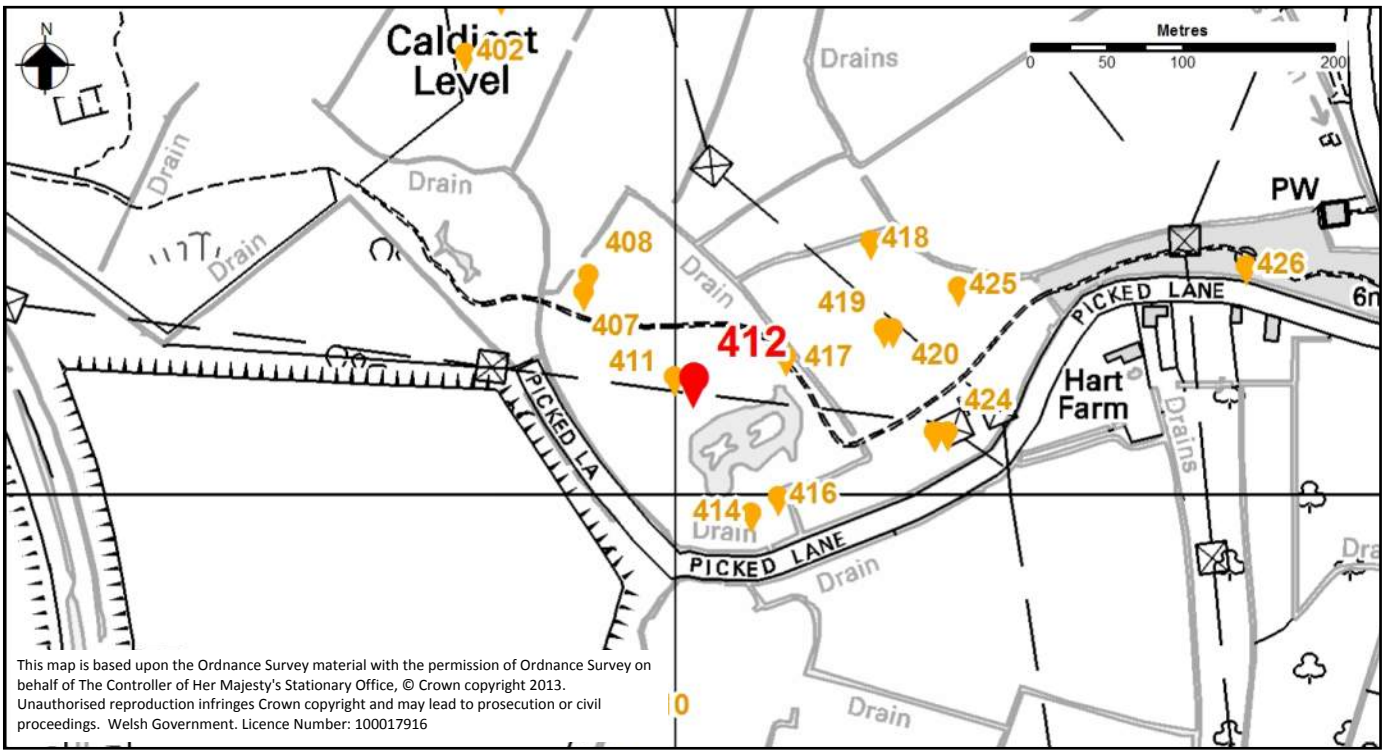

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	413	Date:	06-10-2014 13:52	GPS:	51.57, -2.95

Dominant Habitats:

Ditch, urban

Potential for Protected Species:

WCA Schedule 9 invasive

Target Note:

Japanese knotweed

Target Note Location Map:

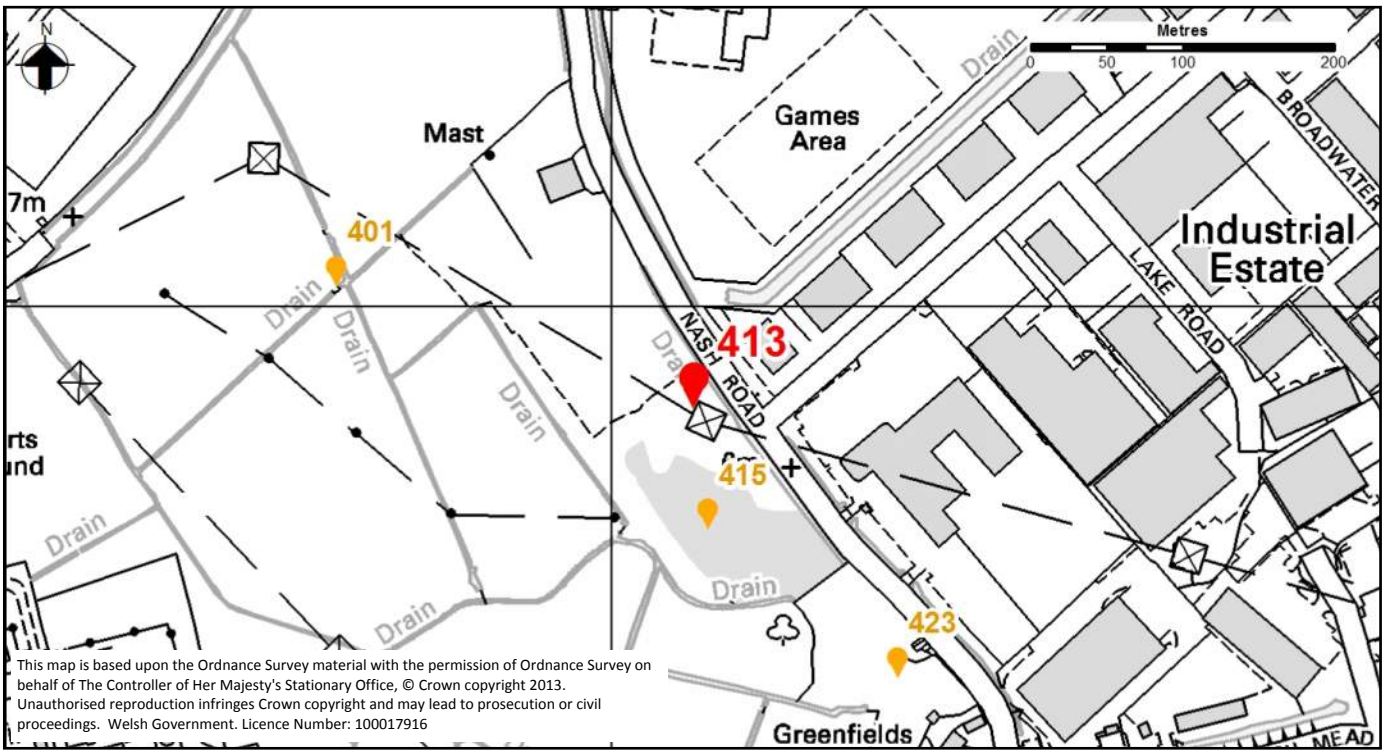

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	414	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Hawthorn, bramble, blackthorn, hazel, willow

Potential for Protected Species:

Target Note Location Map:

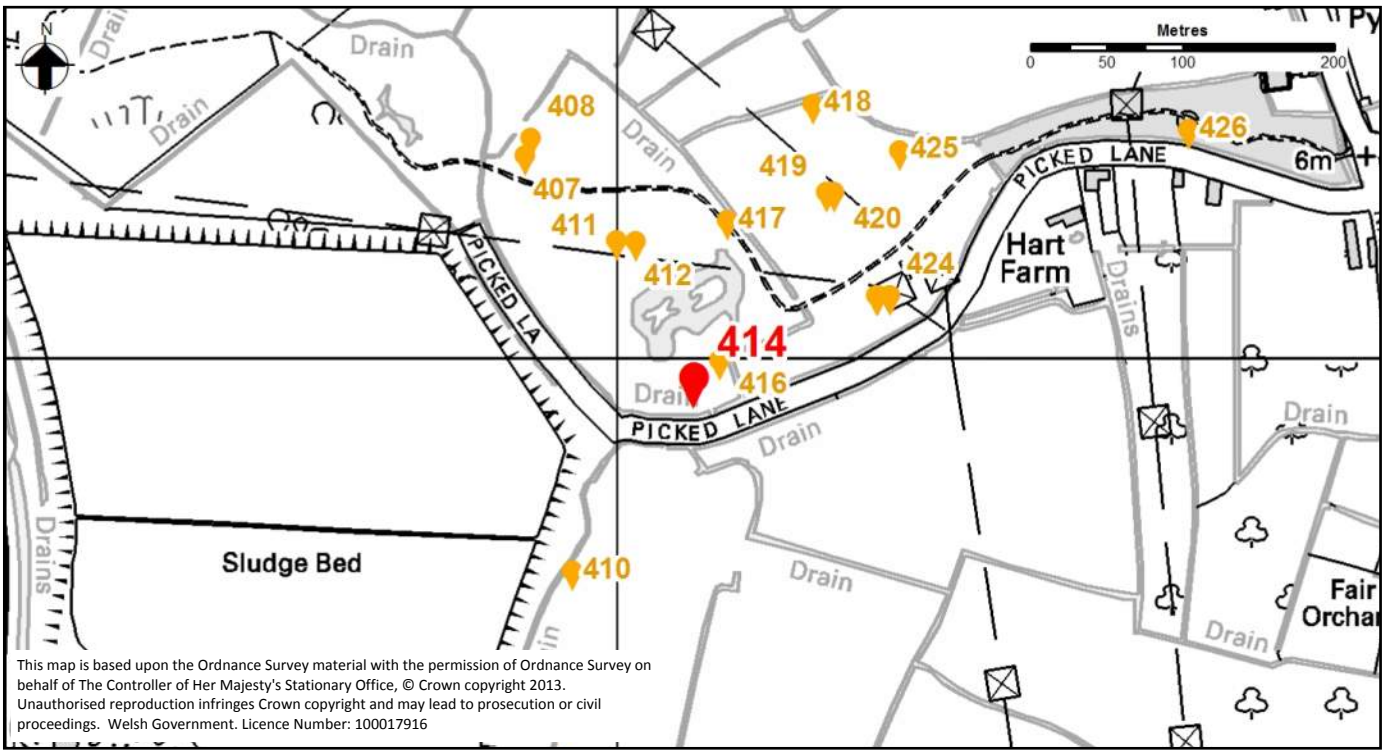

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	415	Date:		GPS:	51.57, -2.95

Dominant Habitats:

Target Note:

Thistle sp., sow thistle, narrow-leaved dock, bramble, black medick, ribwort plantain, cock's foot

Potential for Protected Species:

Target Note Location Map:

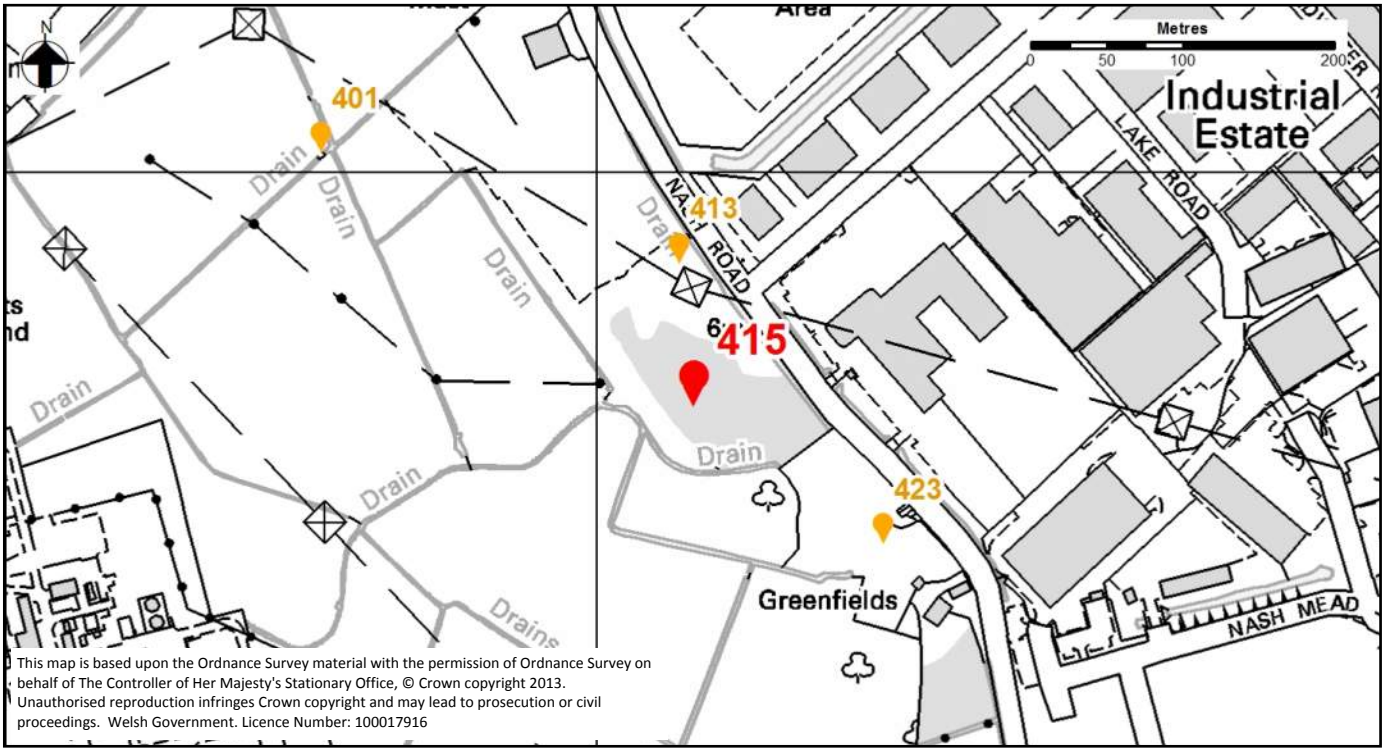

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	416	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Hawthorn, bramble, blackthorn, hazel, willow

Potential for Protected Species:

Target Note Location Map:

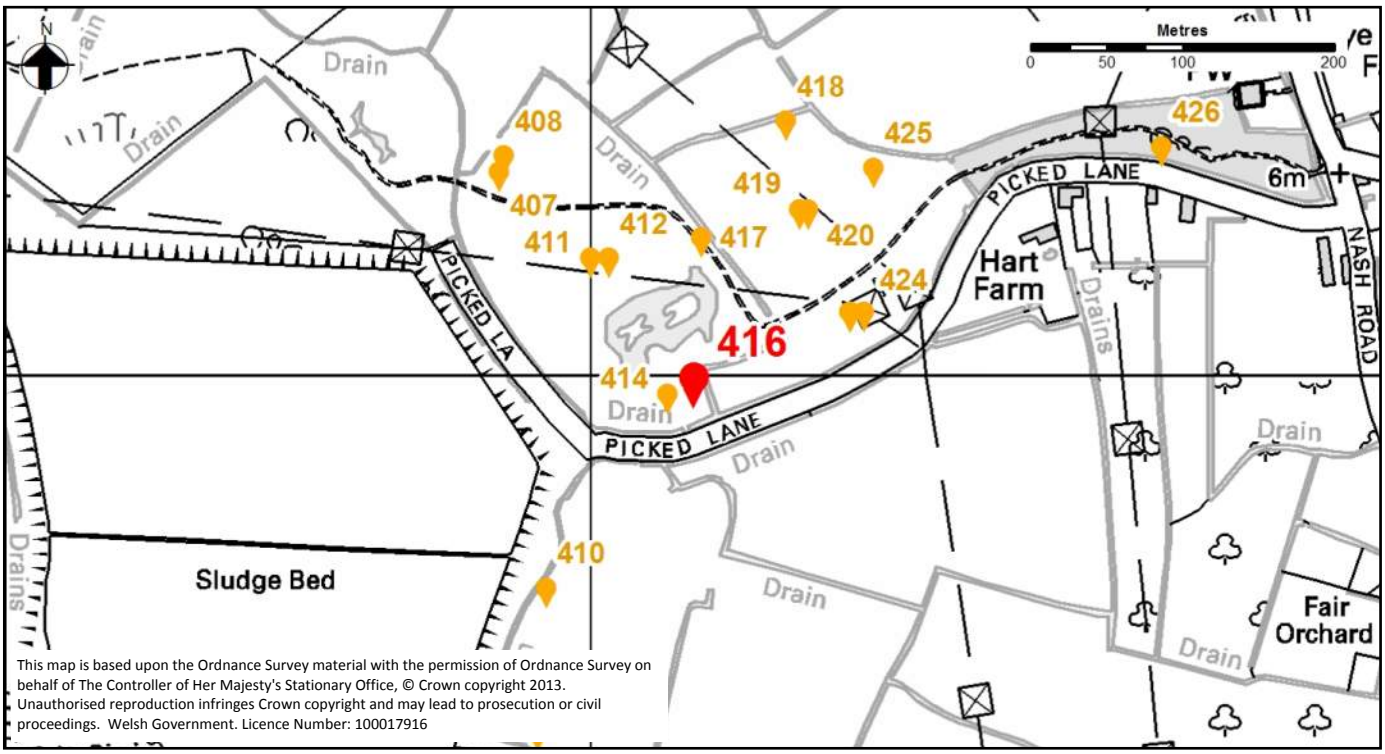

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	417	Date:	31-07-2014 16:07	GPS:	51.56, -2.95

Dominant Habitats:

Hedgerow

Target Note:

Some mammal pathway/tracks leading into hedge

Potential for Protected Species:

Target Note Location Map:

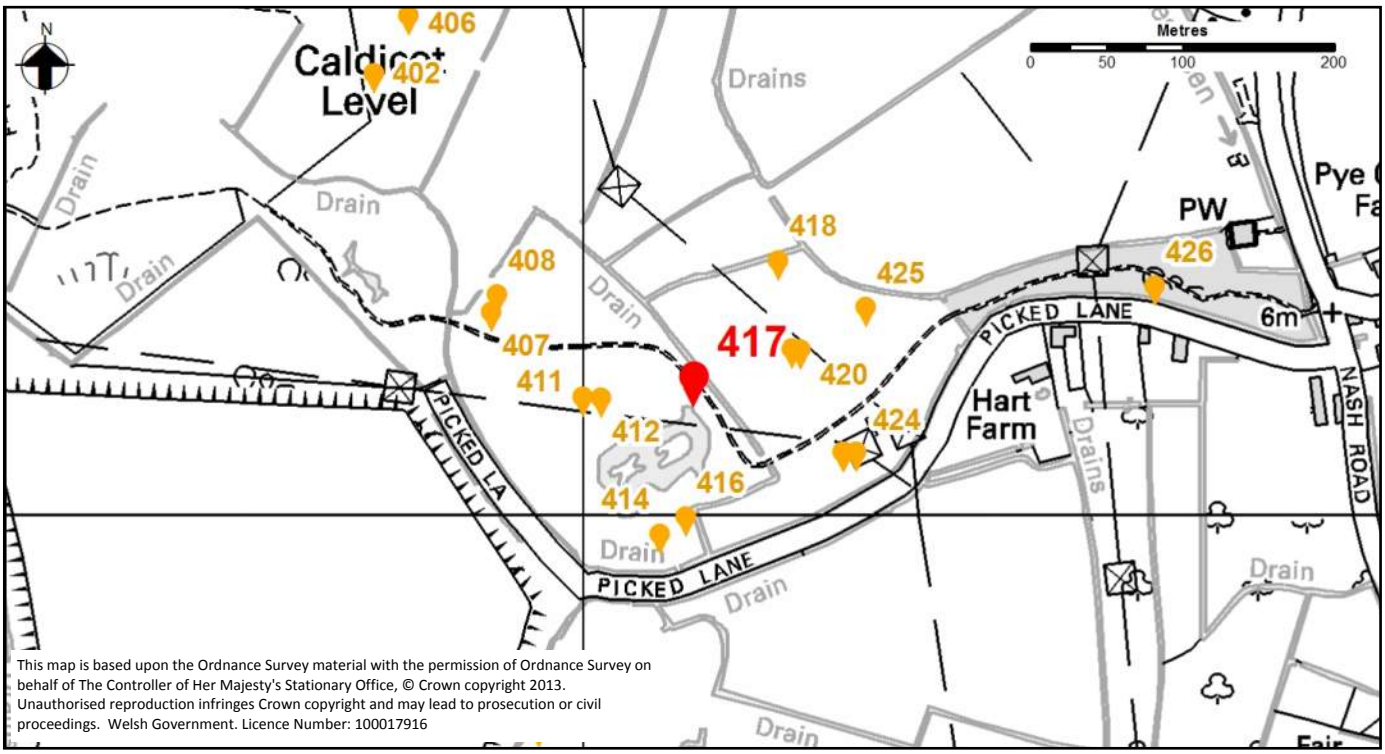

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	418	Date:	11-04-2014 15:13	GPS:	51.56, -2.95

Dominant Habitats:

Scrub

Target Note:

Mammal pathway present

Potential for Protected Species:

Fox potential

Target Note Location Map:

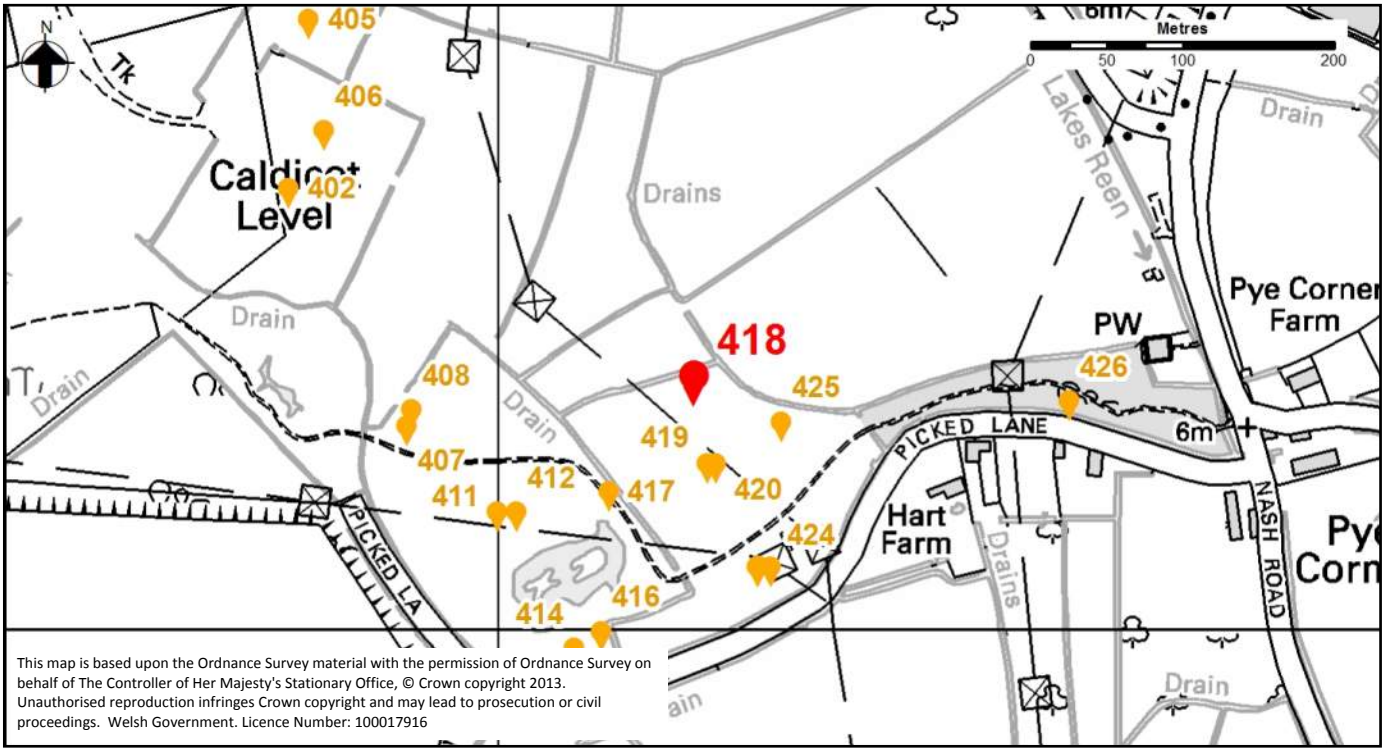

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	419	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Creeping thistle, hogweed, common nettle, thistle sp., kidney vetch, red clover, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

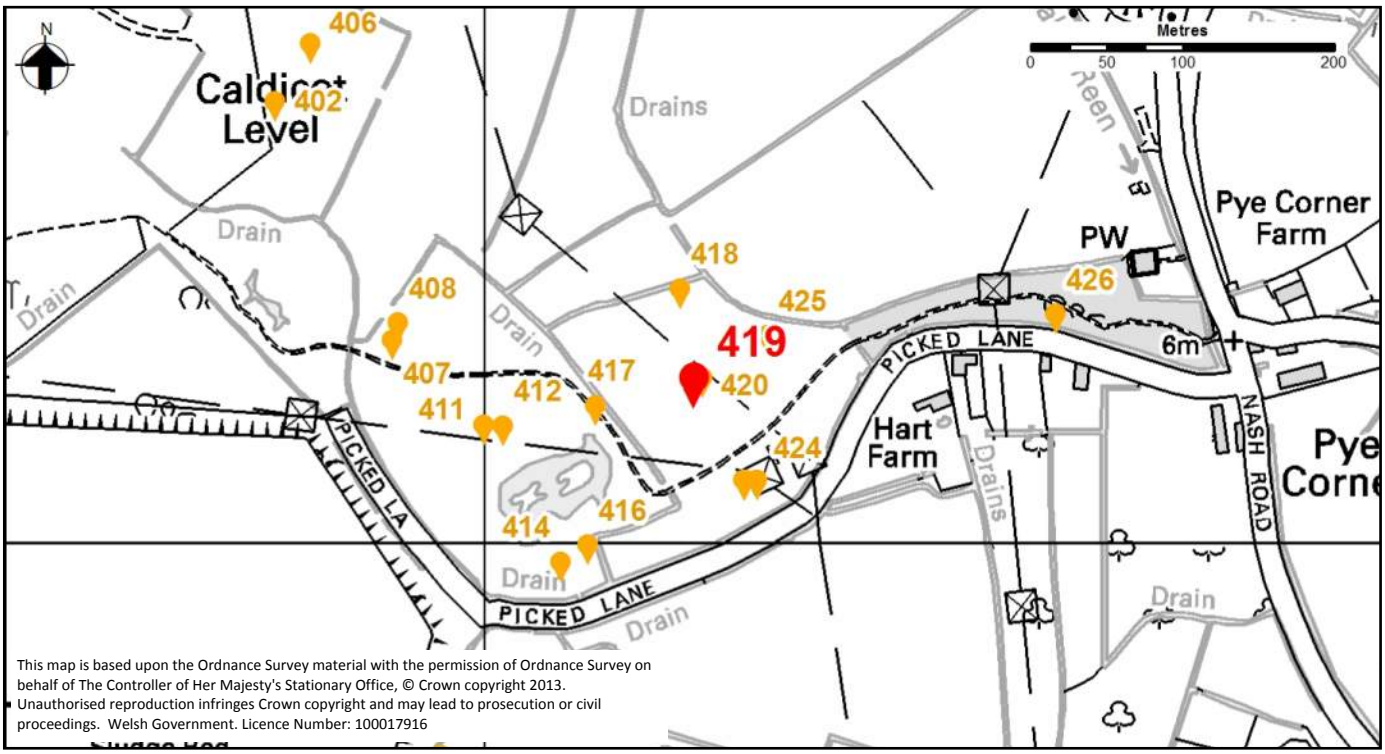

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	420	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Creeping thistle, hogweed, common nettle, thistle sp., kidney vetch, red clover, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

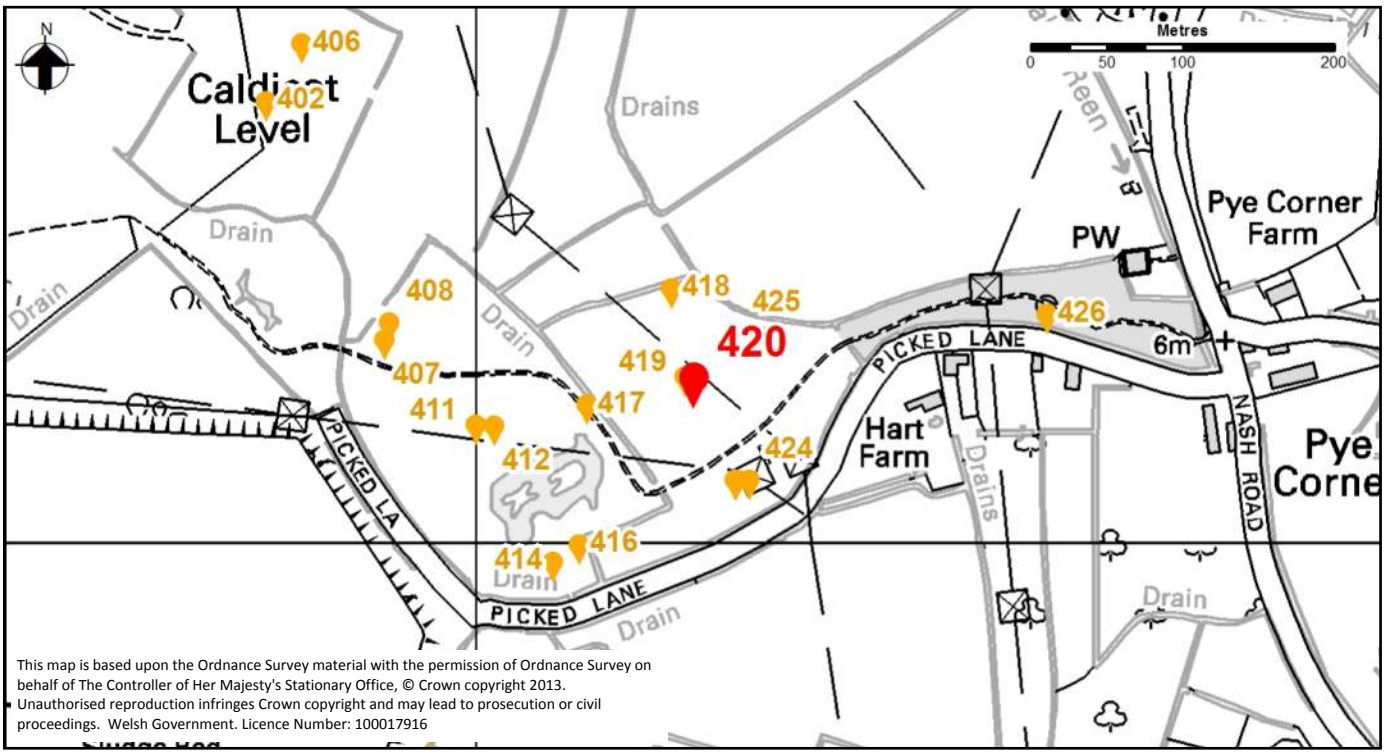

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	421	Date:	28-08-2014	GPS:	51.56, -2.95

Dominant Habitats:

Scrub

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

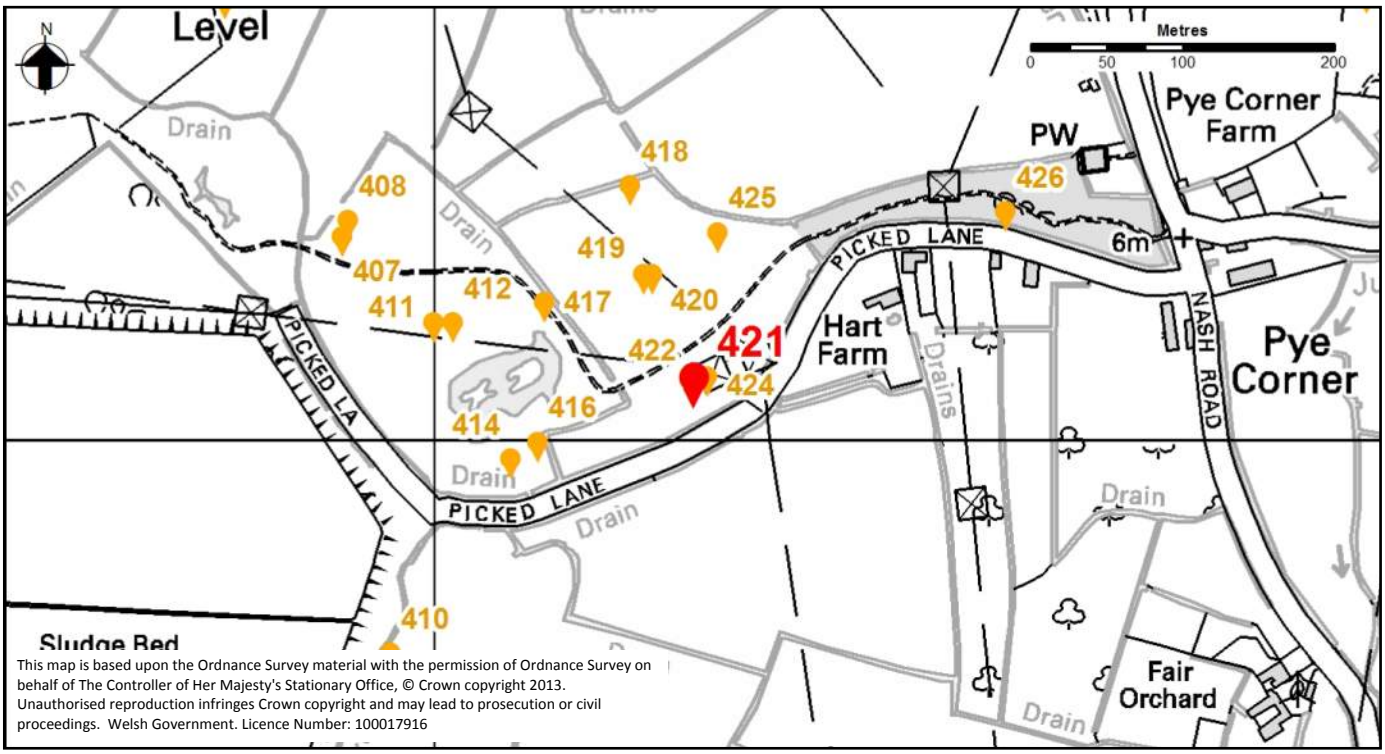

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	422	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Creeping thistle, hogweed, common nettle, thistle sp., kidney vetch, red clover, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

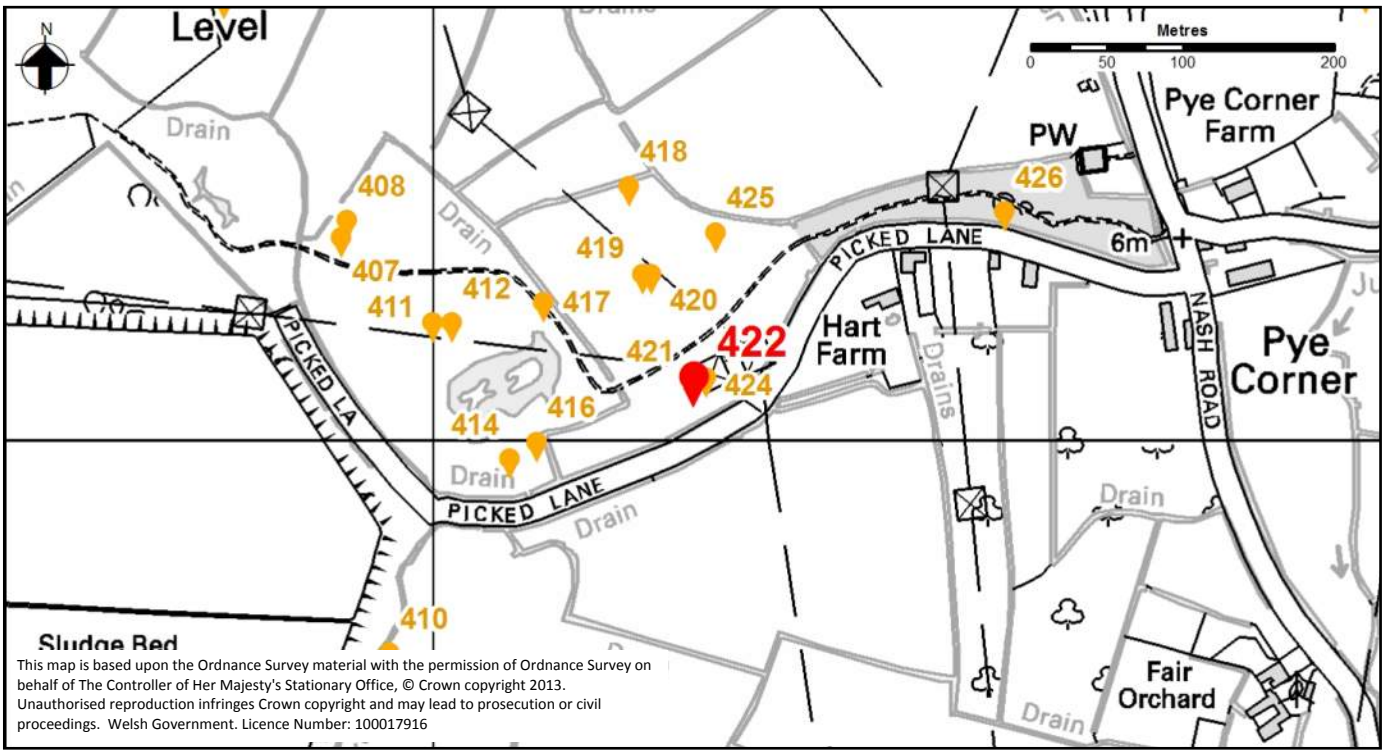

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	423	Date:	31-07-2014	GPS:	51.57, -2.95

Dominant Habitats:

Tall ruderal

Potential for Protected Species:

Reptiles

Target Note:

Reptile suitable habitat

Target Note Location Map:

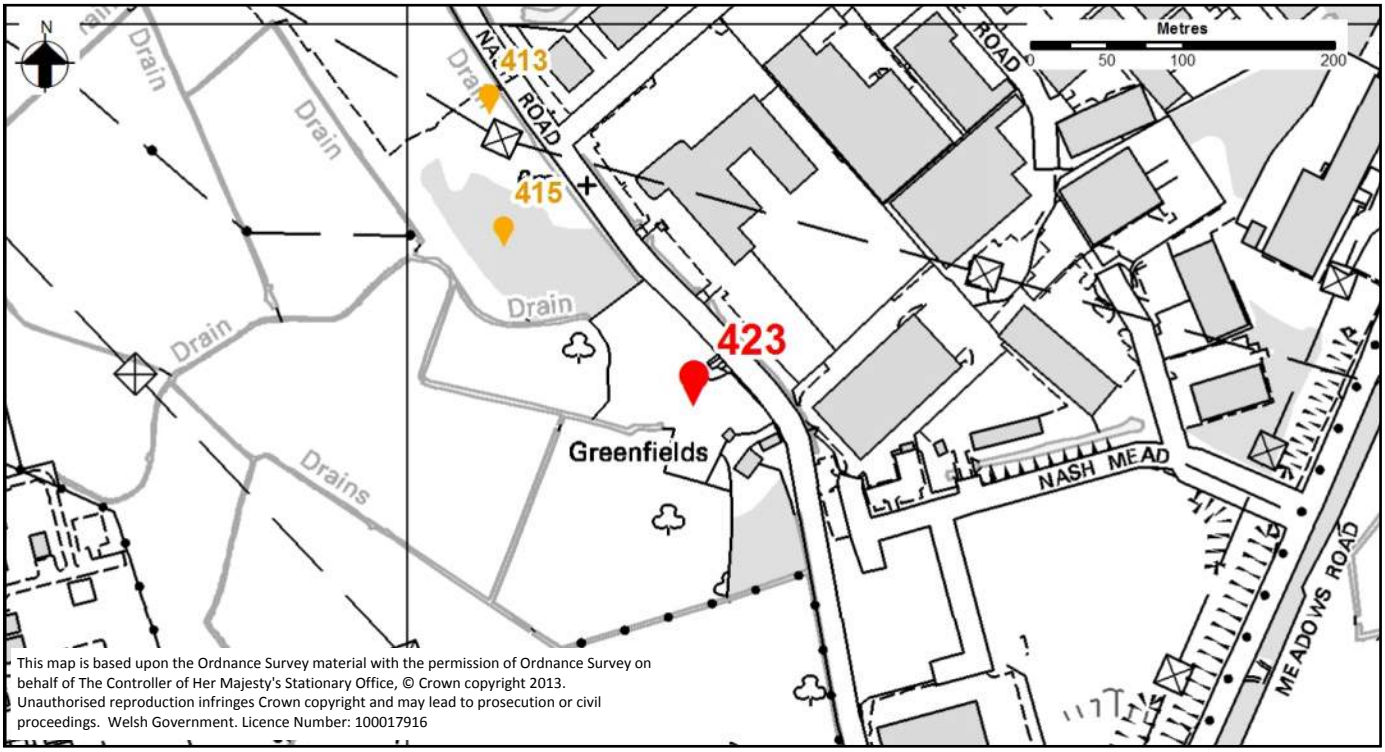

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	424	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Creeping thistle, hogweed, common nettle, thistle sp., kidney vetch, red clover, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

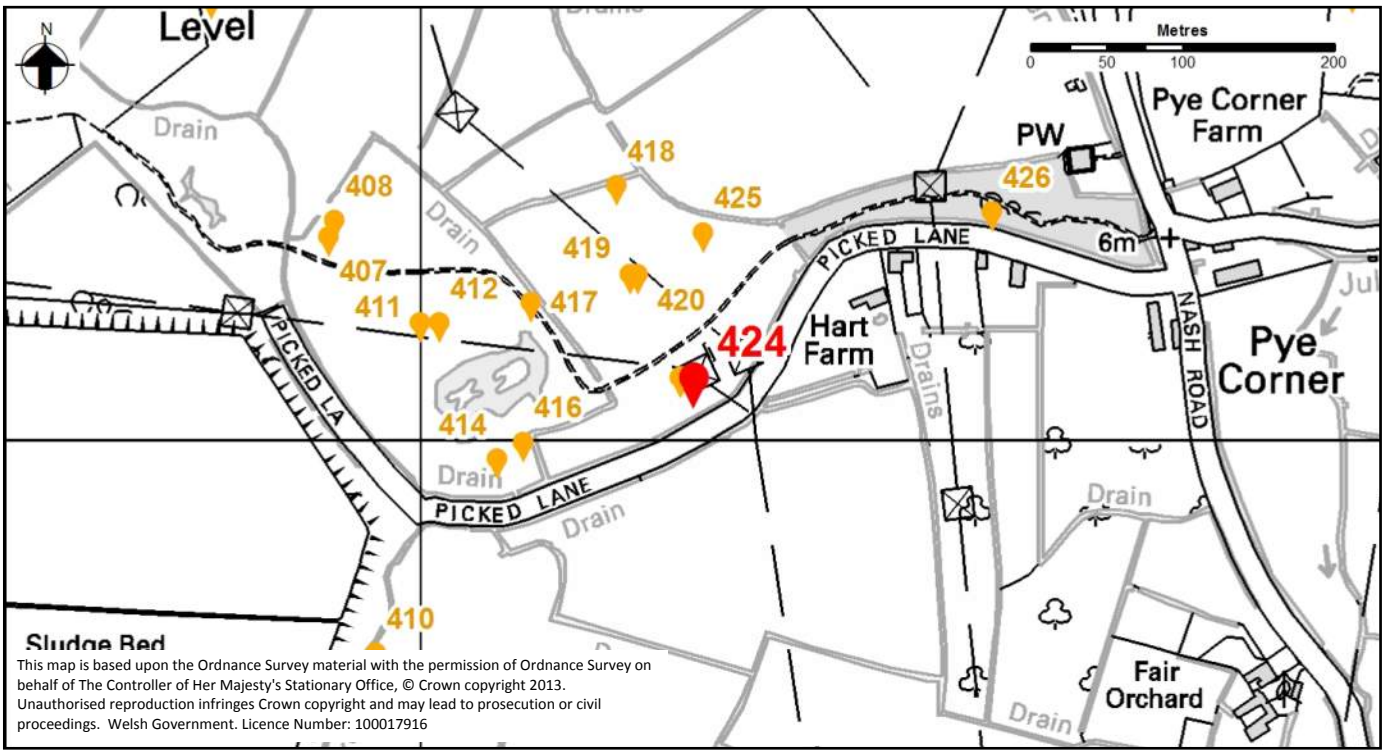

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	425	Date:	12-09-2014	GPS:	51.56, -2.95

Dominant Habitats:

Grassland and scrub

Target Note:

Badger droppings

Potential for Protected Species:

Badger

Target Note Location Map:

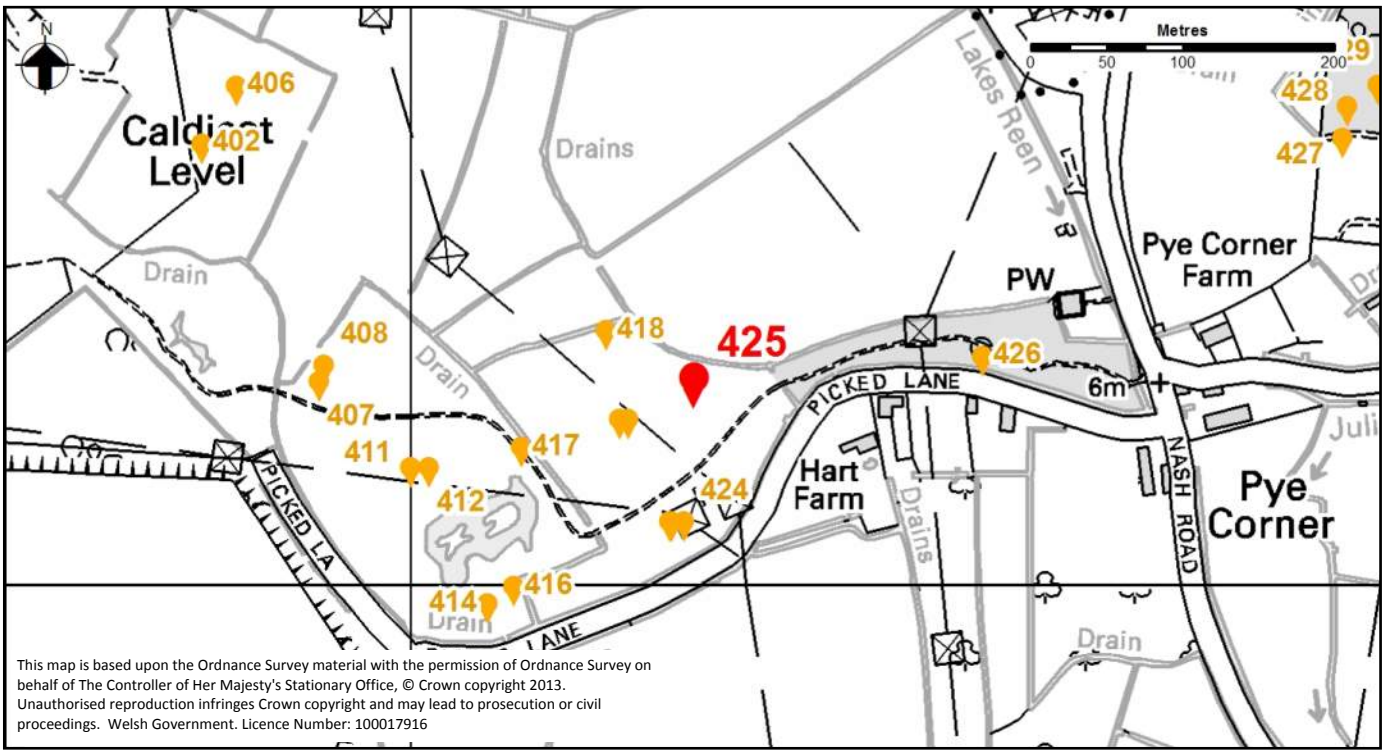

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	426	Date:		GPS:	51.56, -2.95

Dominant Habitats:

Target Note:

Willow, hazel, sycamore, hawthorn, oak, ash, horse chestnut, spruce, blackthorn, sliver birch, dog rose

Potential for Protected Species:

Target Note Location Map:

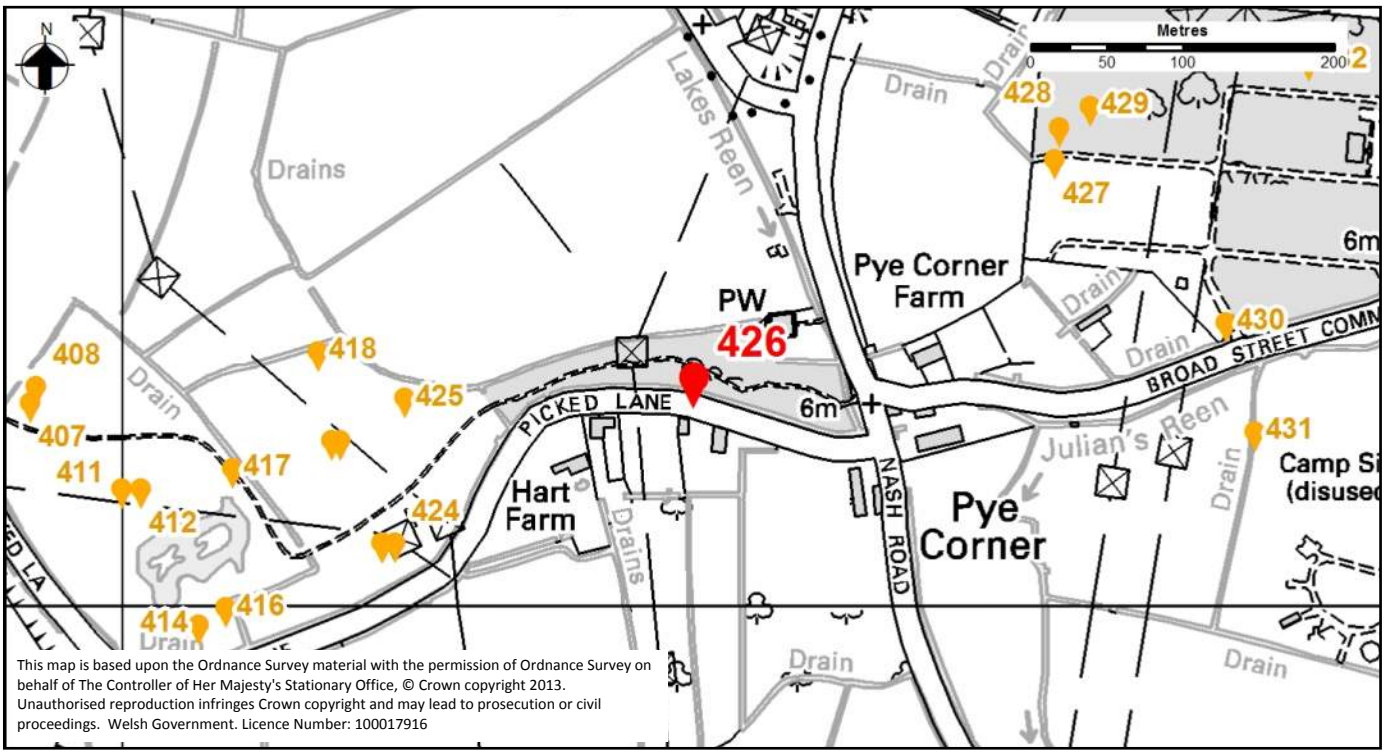

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	427	Date:	23-10-2014 14:53	GPS:	51.56, -2.94

Dominant Habitats:

Scrub

Target Note:

Mammal pathway entering the undergrowth of brambles, hawthorn, rose.

Potential for Protected Species:

Target Note Location Map:

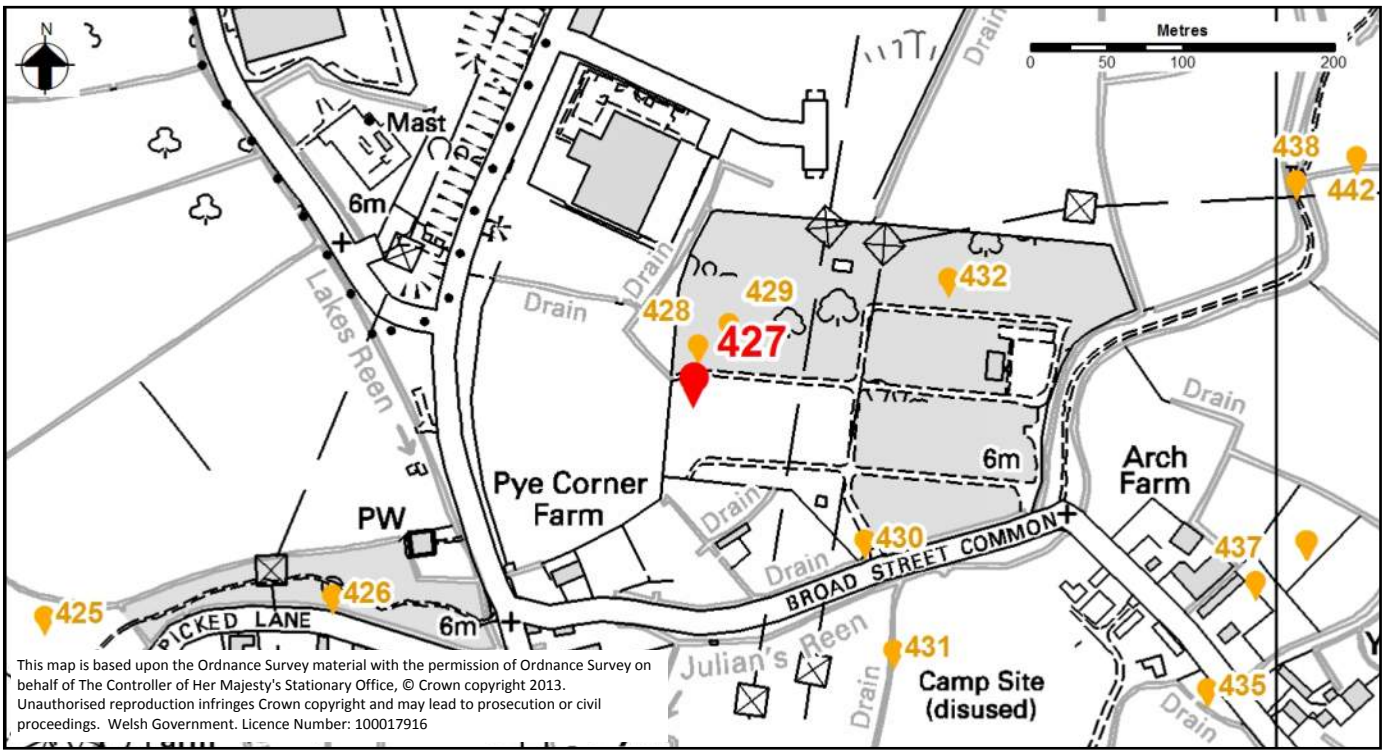

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	428	Date:	23-10-2014 15:01	GPS:	51.56, -2.94

Dominant Habitats:

Woodland

Target Note:

Mammal pathway through undergrowth. Snuffle marks.

Potential for Protected Species:

Badger

Target Note Location Map:

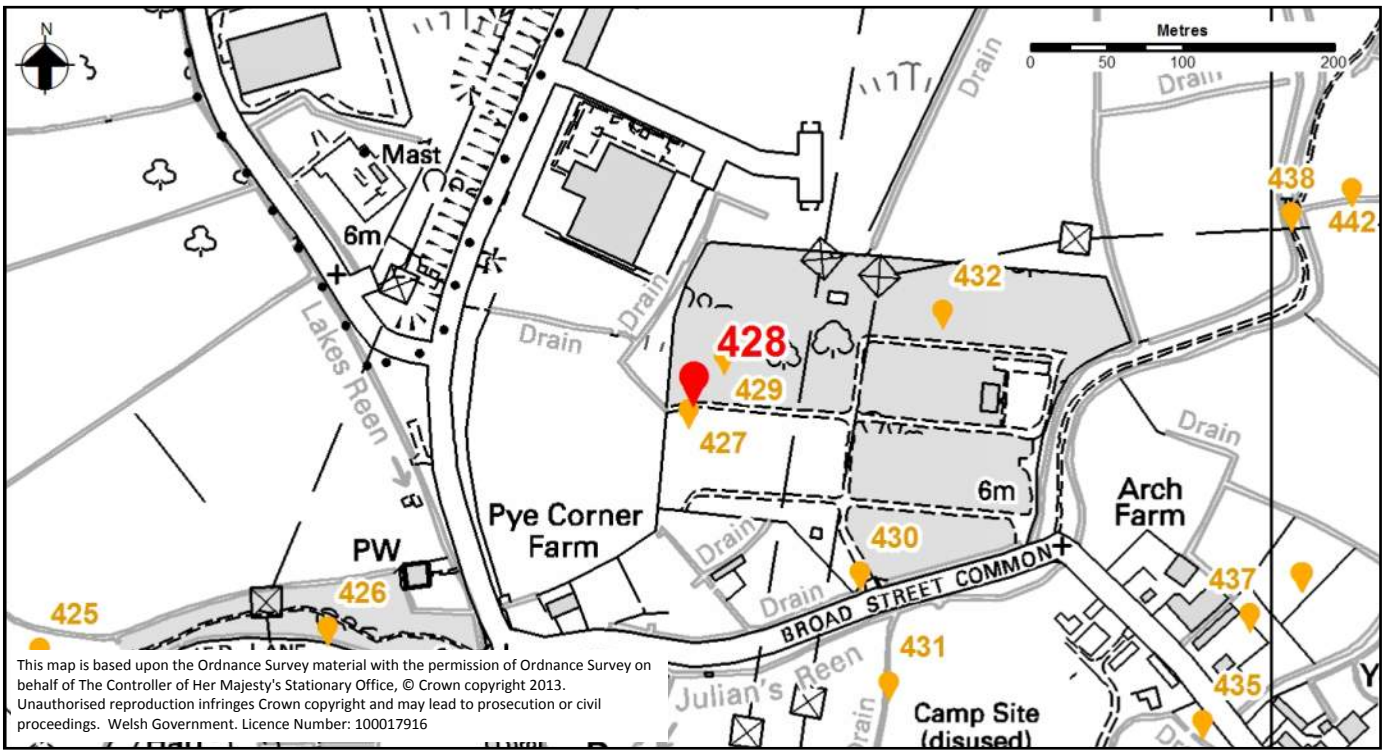

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	429	Date:	23-10-2014 15:26	GPS:	51.56, -2.94

Dominant Habitats:

Woodland/scrub

Target Note:

Snuffle marks where badgers have been foraging.

Potential for Protected Species:

Badger

Target Note Location Map:

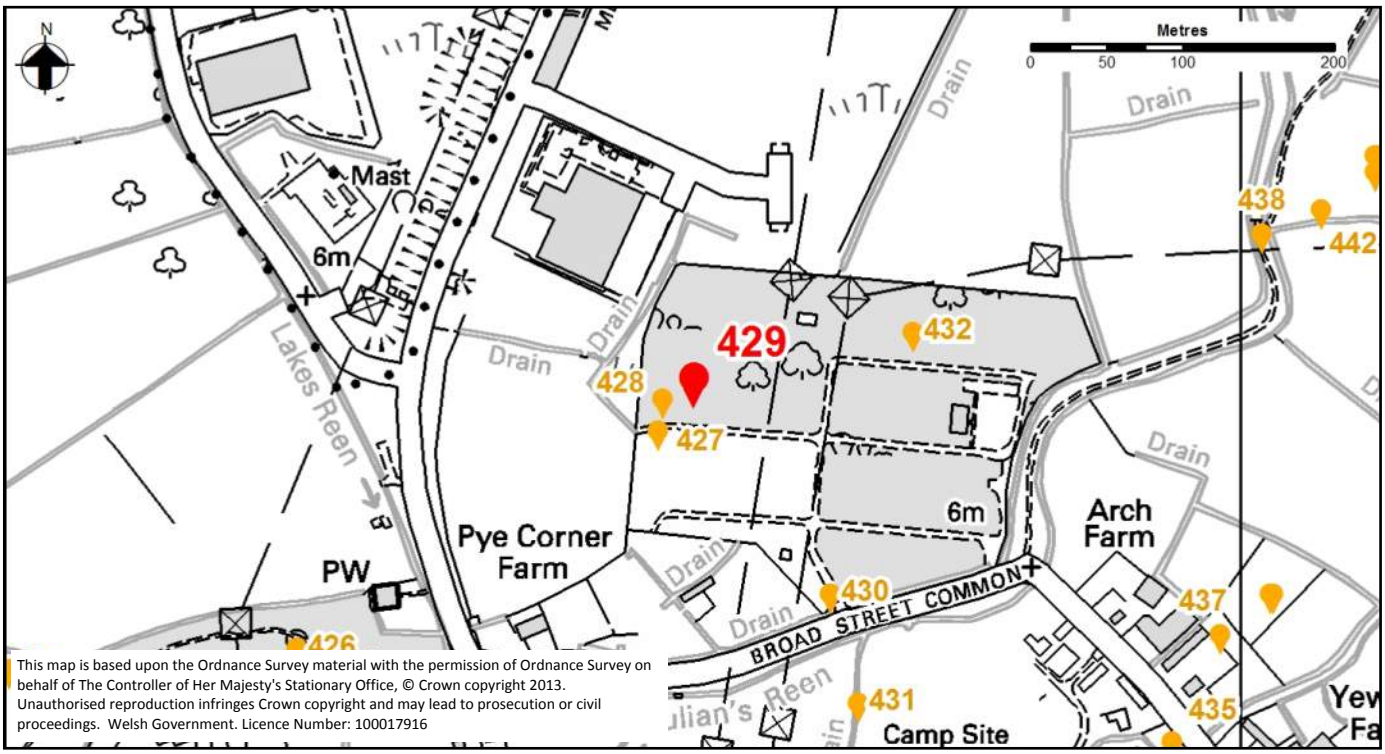

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	430	Date:	23-04-2014 13:59	GPS:	51.56, -2.94

Dominant Habitats:

Poor semi-improved grassland

Target Note:

Snuffling, possibly badger

Potential for Protected Species:

Badger

Target Note Location Map:

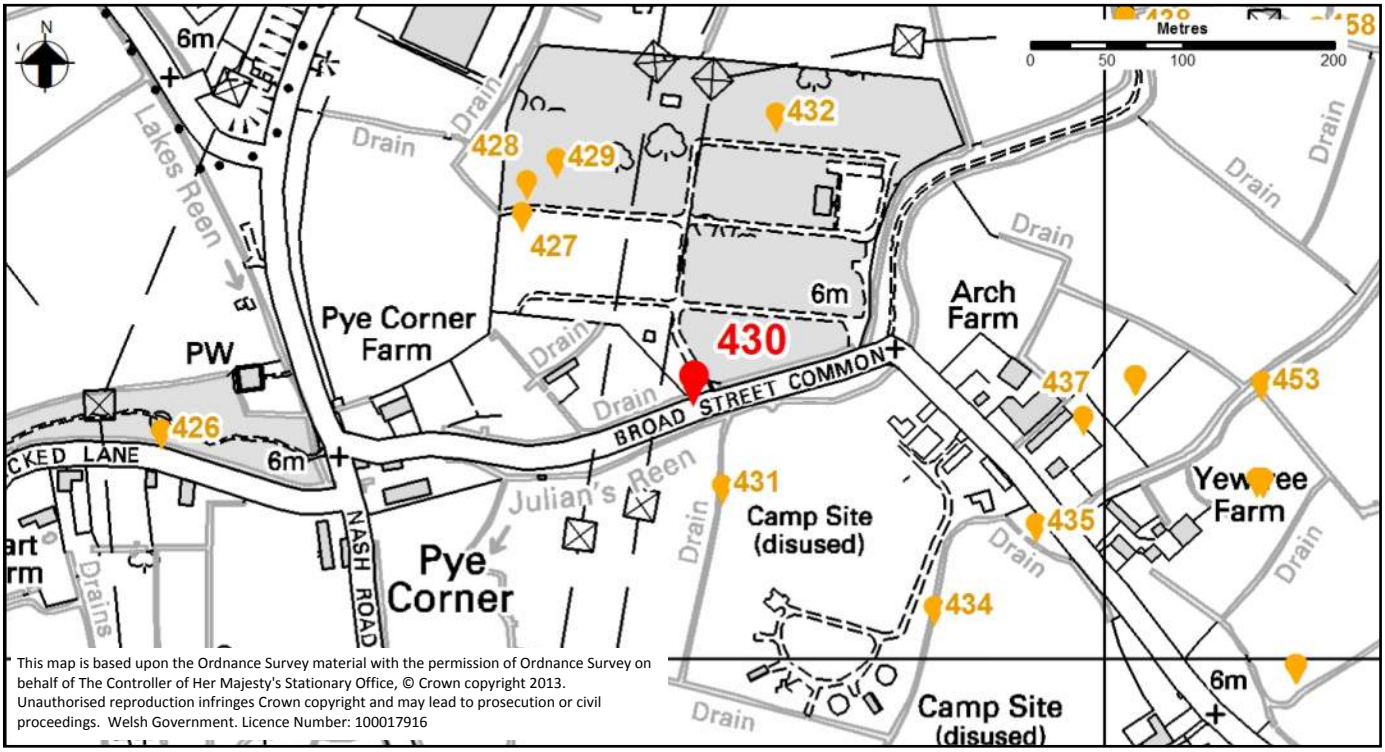

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	431	Date:	09-10-2014	GPS:	51.56, -2.94

Dominant Habitats:

Ditch

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

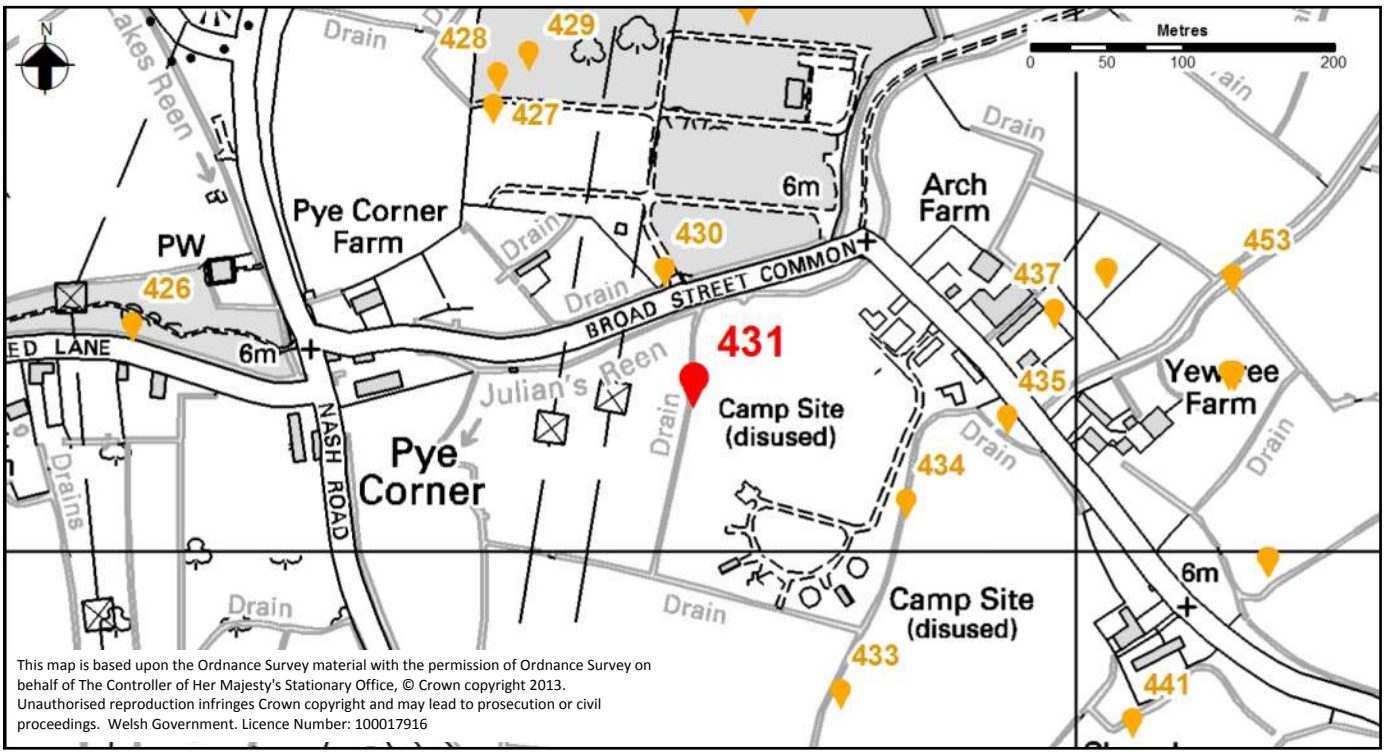

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	432	Date:	24-09-2014	GPS:	51.56, -2.94

Dominant Habitats:

Scrub / grassland

Target Note:

Dead mole

Potential for Protected Species:

Target Note Location Map:

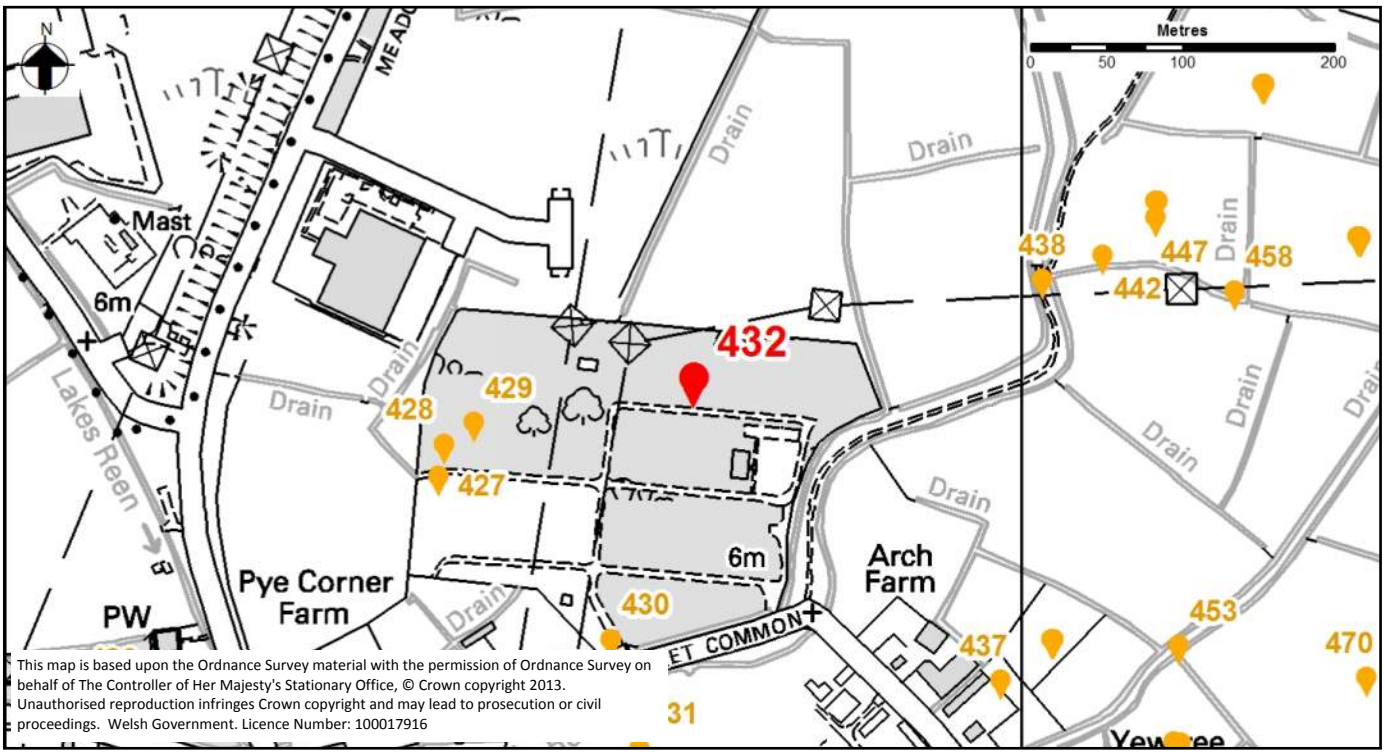

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	433	Date:	10-10-2014 13:16	GPS:	51.56, -2.94

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Badger

Target Note:

Trails/mammal pathways. Hedge is a potential badger corridor.

Target Note Location Map:

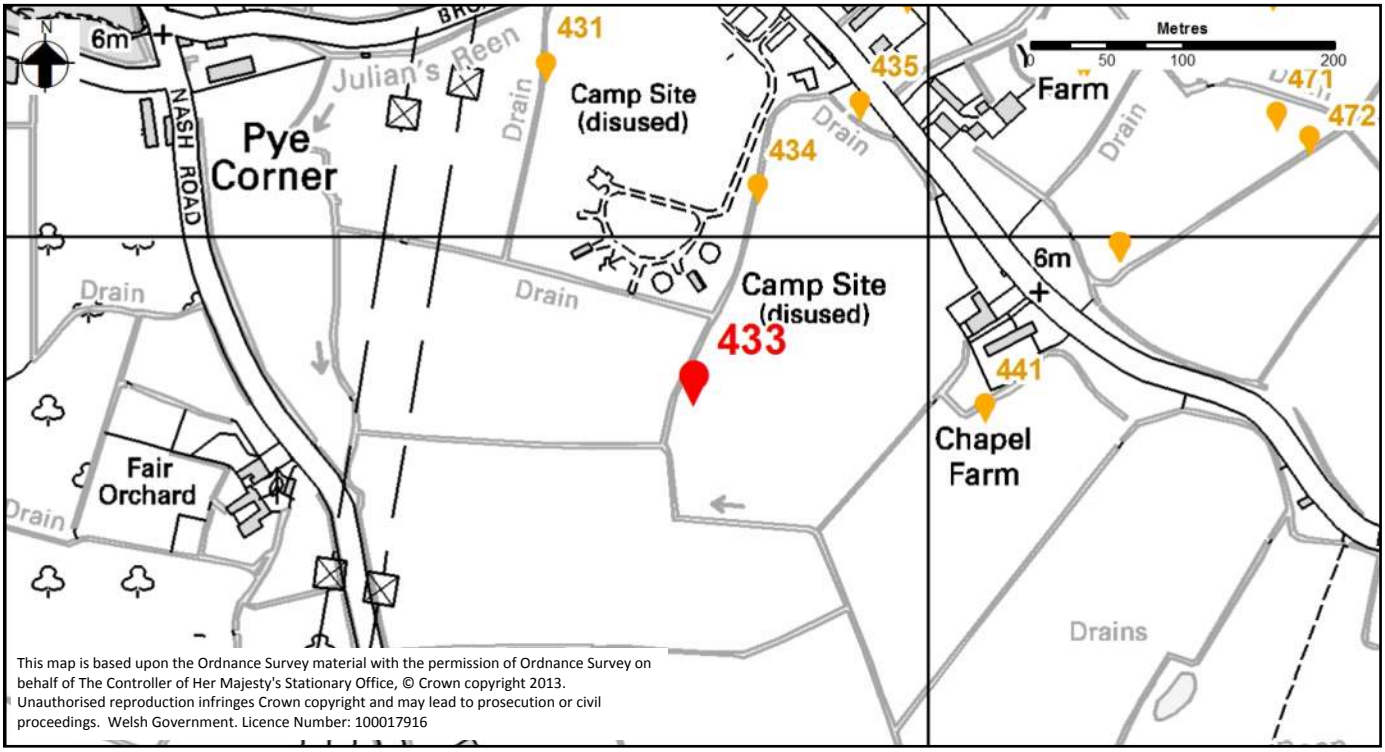

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	434	Date:	10-10-2014	GPS:	51.56, -2.94

Dominant Habitats:

Adjacent to ditch

Target Note:

Mature tree with cracks/holes

Potential for Protected Species:

Barn owls, bats.

Target Note Location Map:

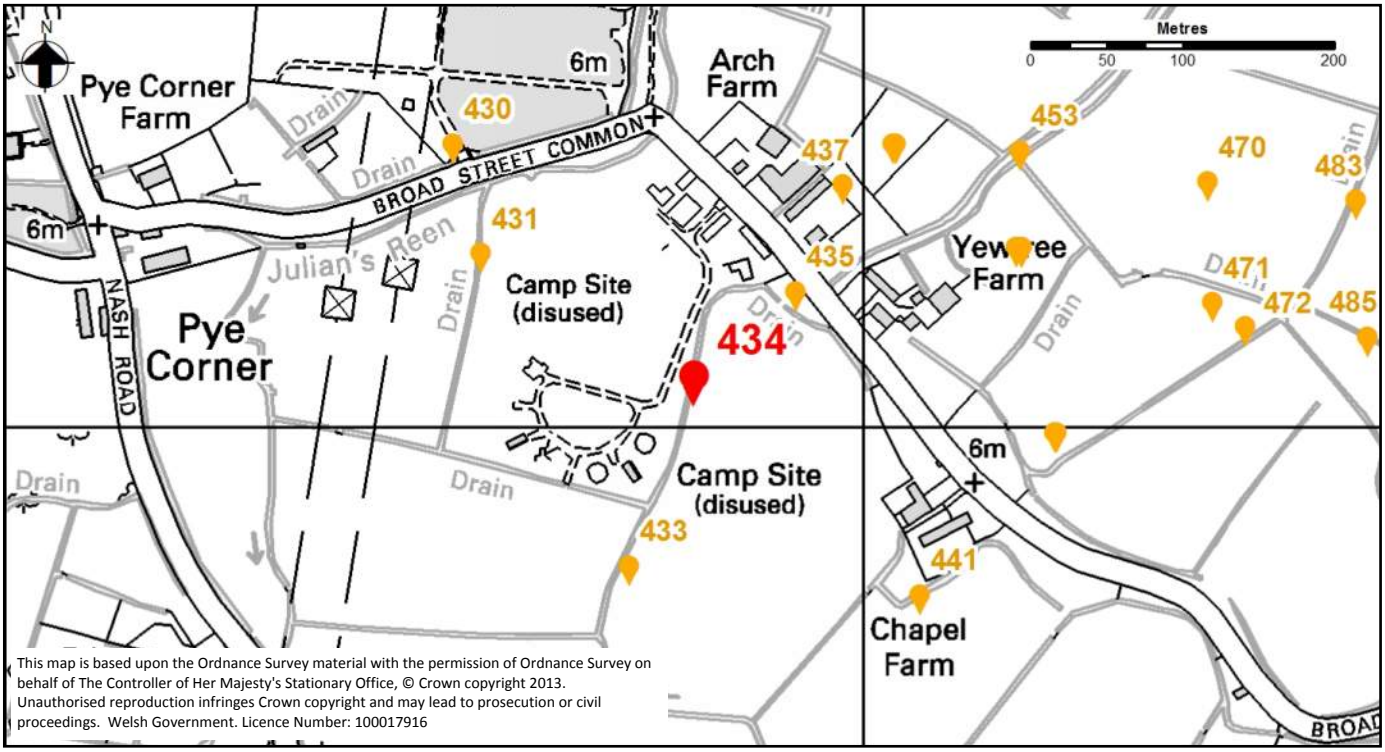

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	435	Date:	10-10-2014	GPS:	51.56, -2.94

Dominant Habitats:

Small area of woodland adjacent to roadside

Target Note:

Veteran tree and dead wood. Mammal pathways possibly made by badger lead to the base of tree.

Potential for Protected Species:

Otter, badger, bats, birds.

Target Note Location Map:

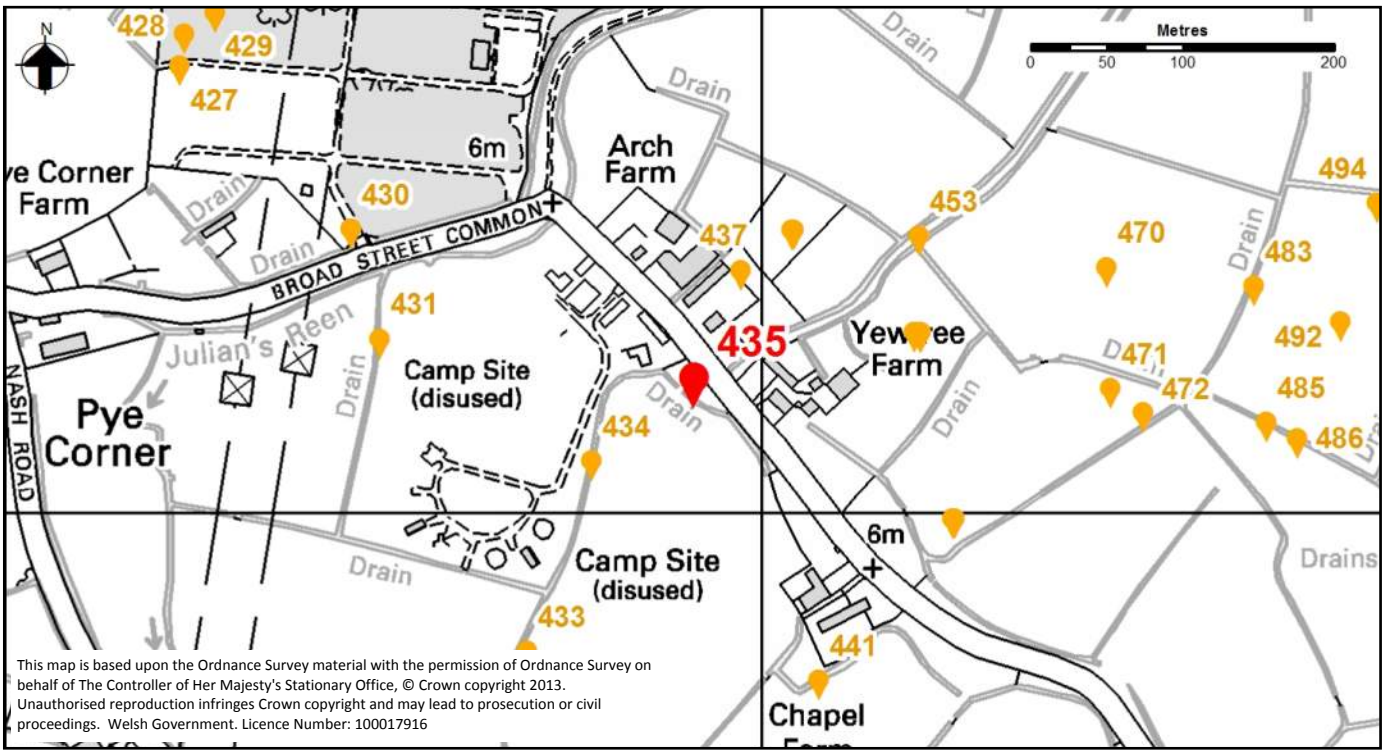

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	436	Date:	30-07-2014	GPS:	51.57, -2.94

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Badger, barn owl

Target Note:

Tracks, pellets (loose), feathers

Target Note Location Map:

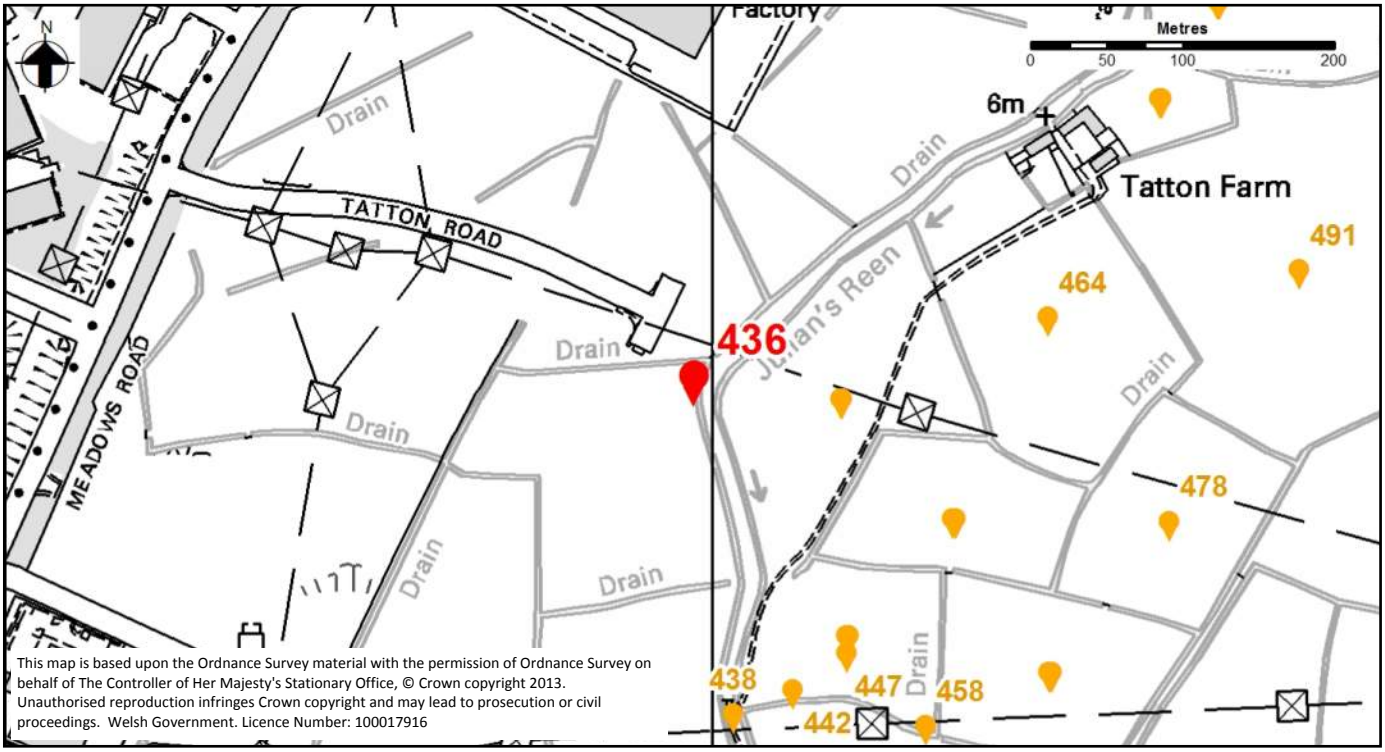

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	437	Date:	31-07-2014	GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Dung heap

Potential for Protected Species:

Reptiles

Target Note Location Map:

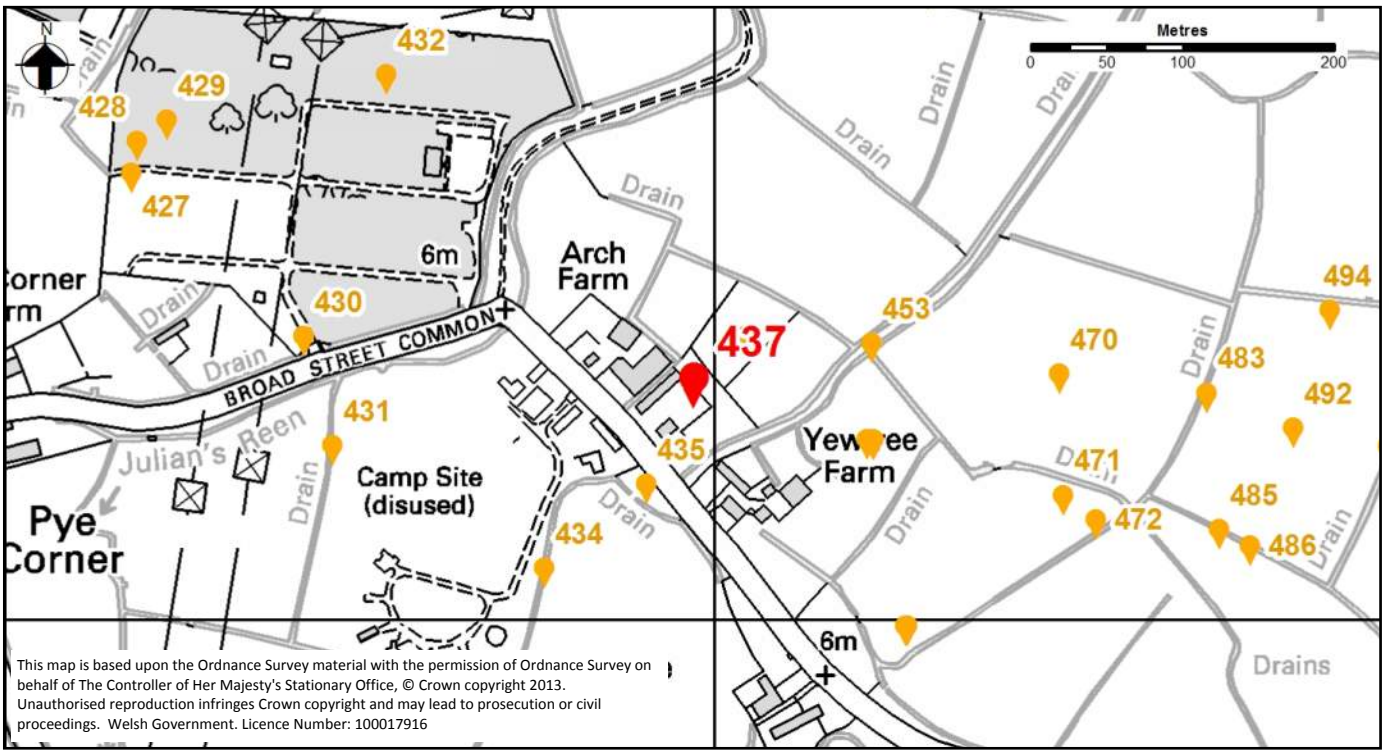

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	438	Date:	23-04-2014 14:33	GPS:	51.56, -2.94

Dominant Habitats:

Running water

Target Note:

Mammal pathway under fence leading to waterbody

Potential for Protected Species:

Target Note Location Map:

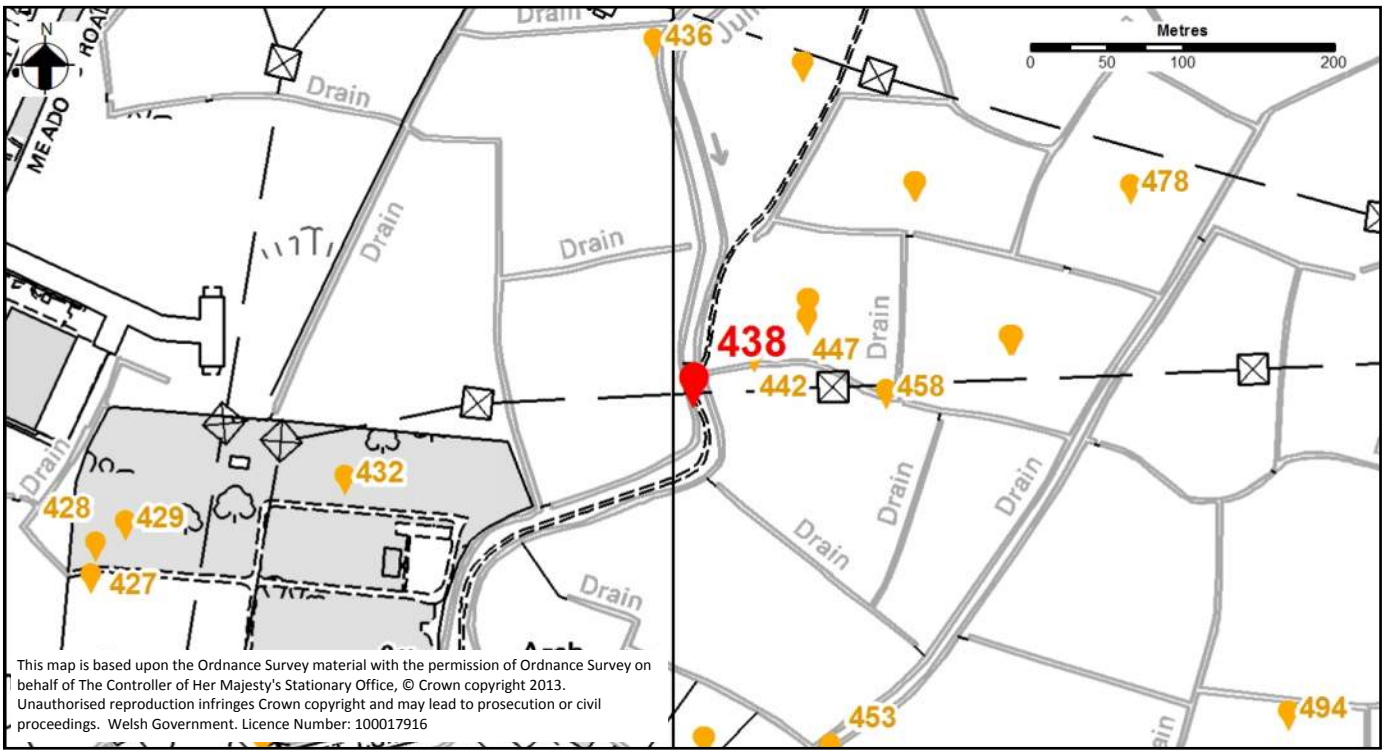

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	439	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

White and red clover, redshank, greater plantain, broad and narrow leaved dock, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

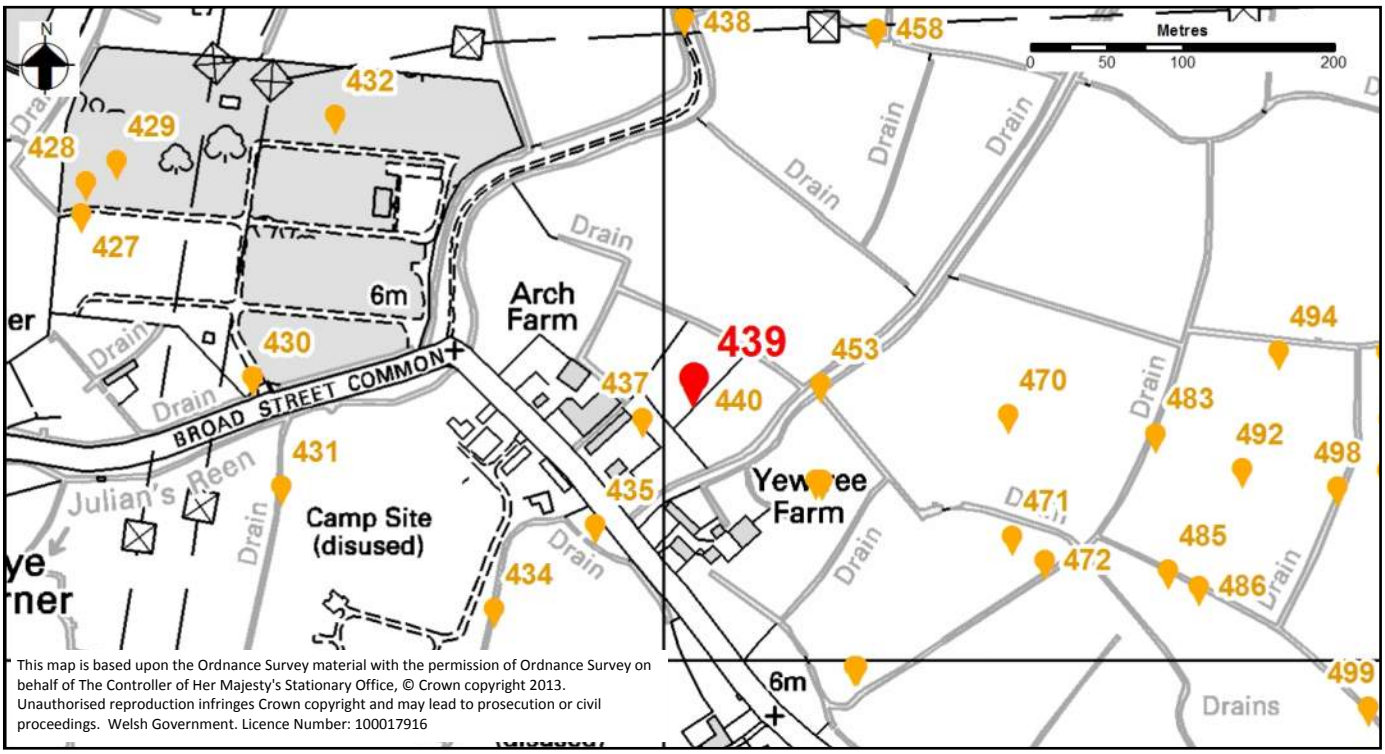

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	440	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

White and red clover, redshank, greater plantain, broad and narrow leaved dock, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

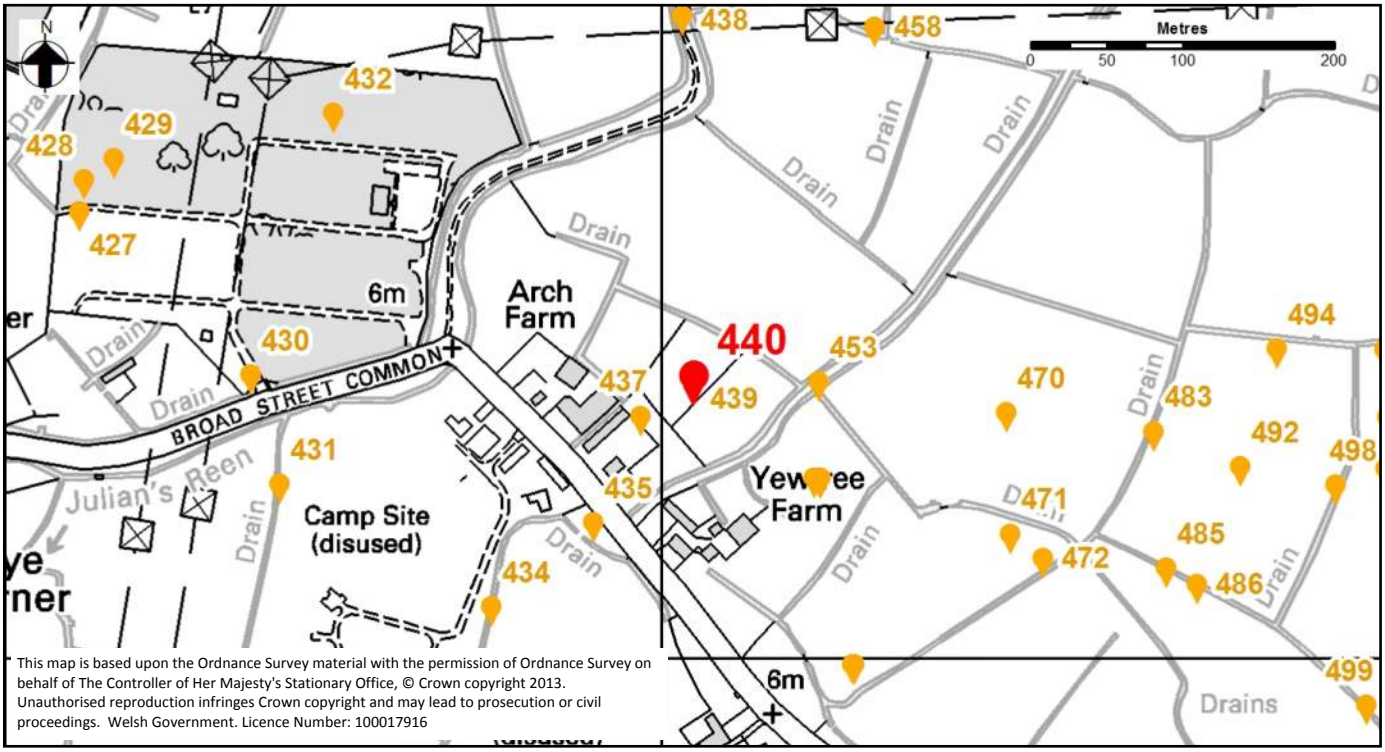

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	441	Date:	10-10-2014	GPS:	51.56, -2.94

Dominant Habitats:

Ditch

Potential for Protected Species:

Amphibians

Target Note:

Sighting of adult common frog

Target Note Location Map:

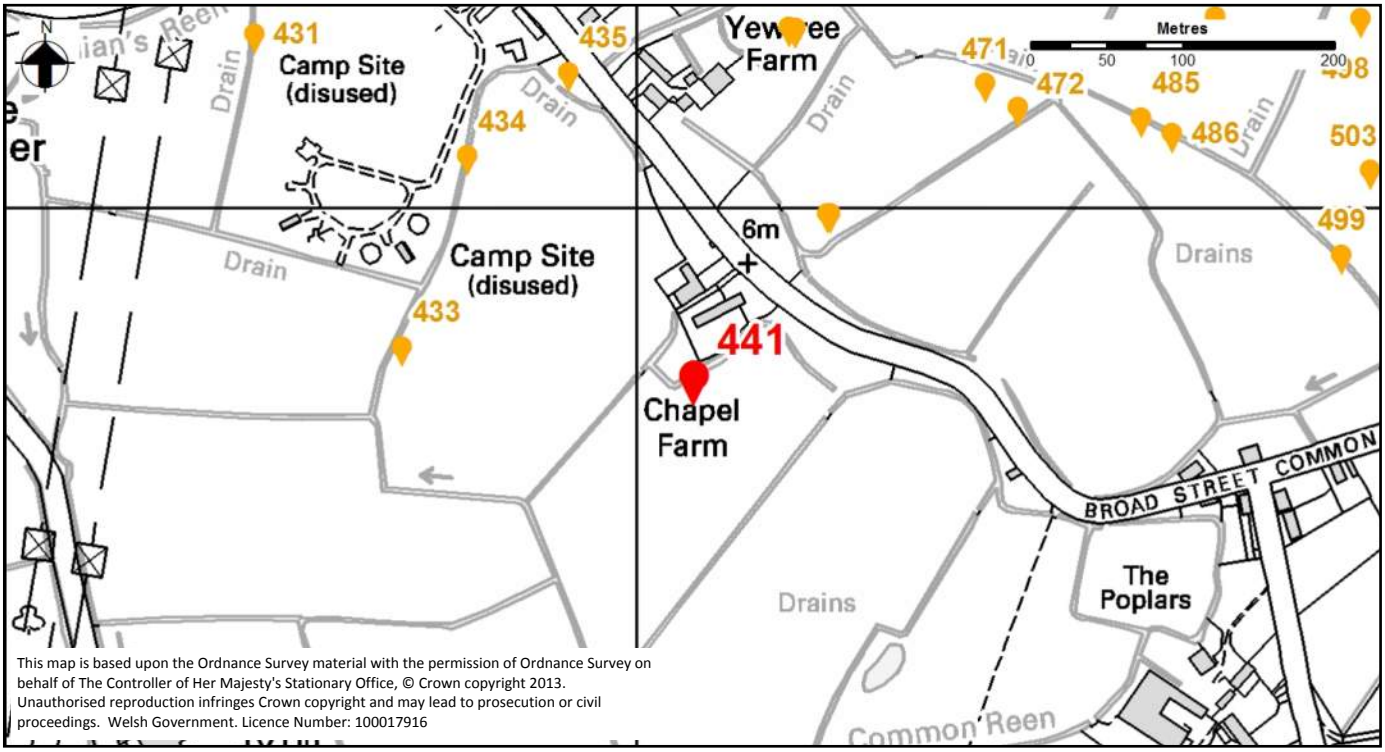

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	442	Date:	23-04-2014 14:34	GPS:	51.56, -2.94

Dominant Habitats:

Improved grassland/ running water

Target Note:

Mammal pathway under fence leading to waterbody

Potential for Protected Species:

Target Note Location Map:

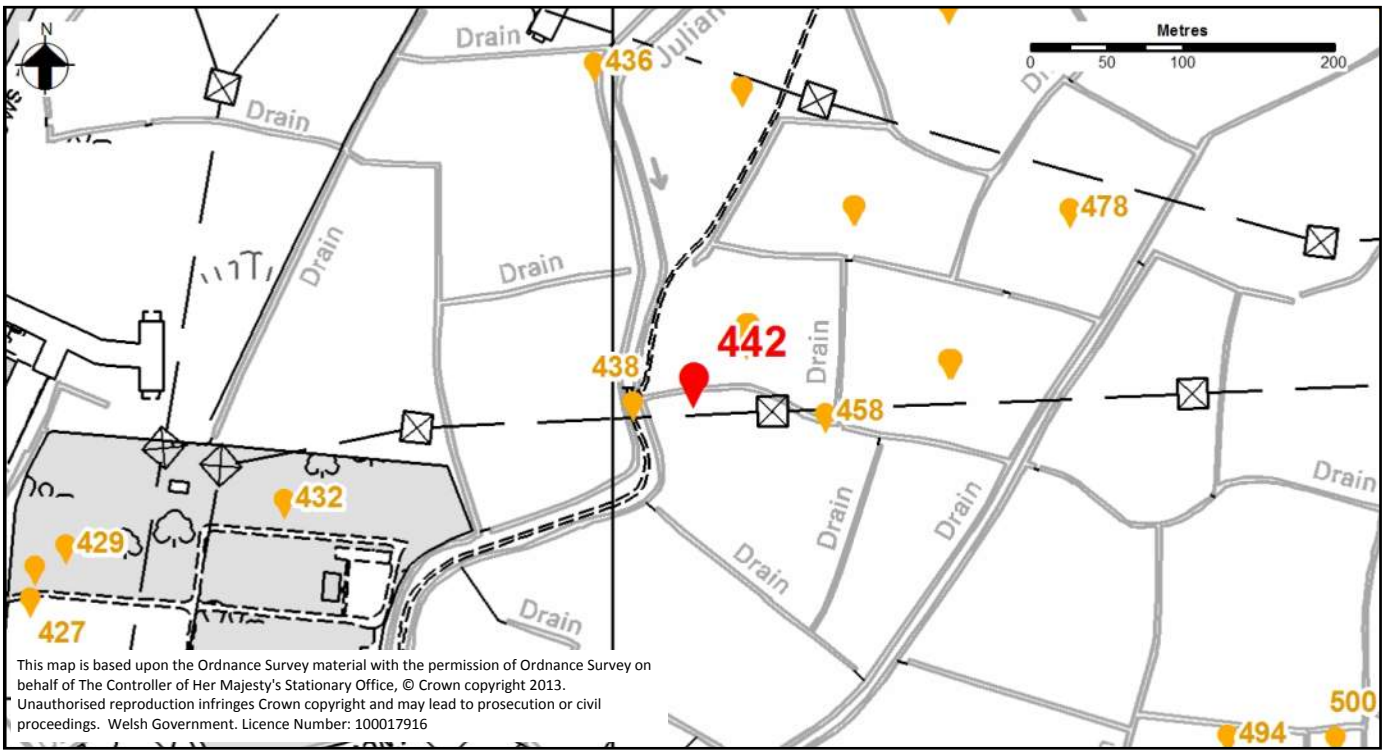

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	443	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dendelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

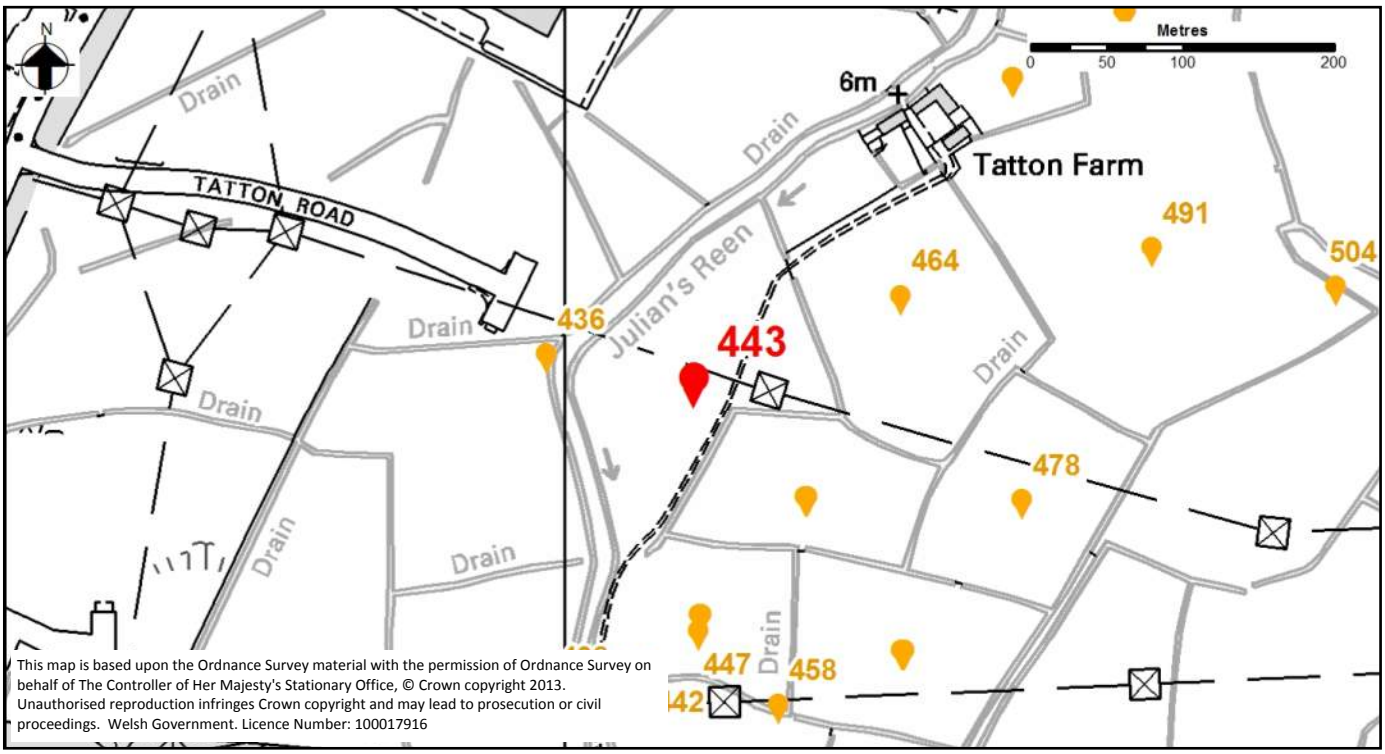

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	444	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

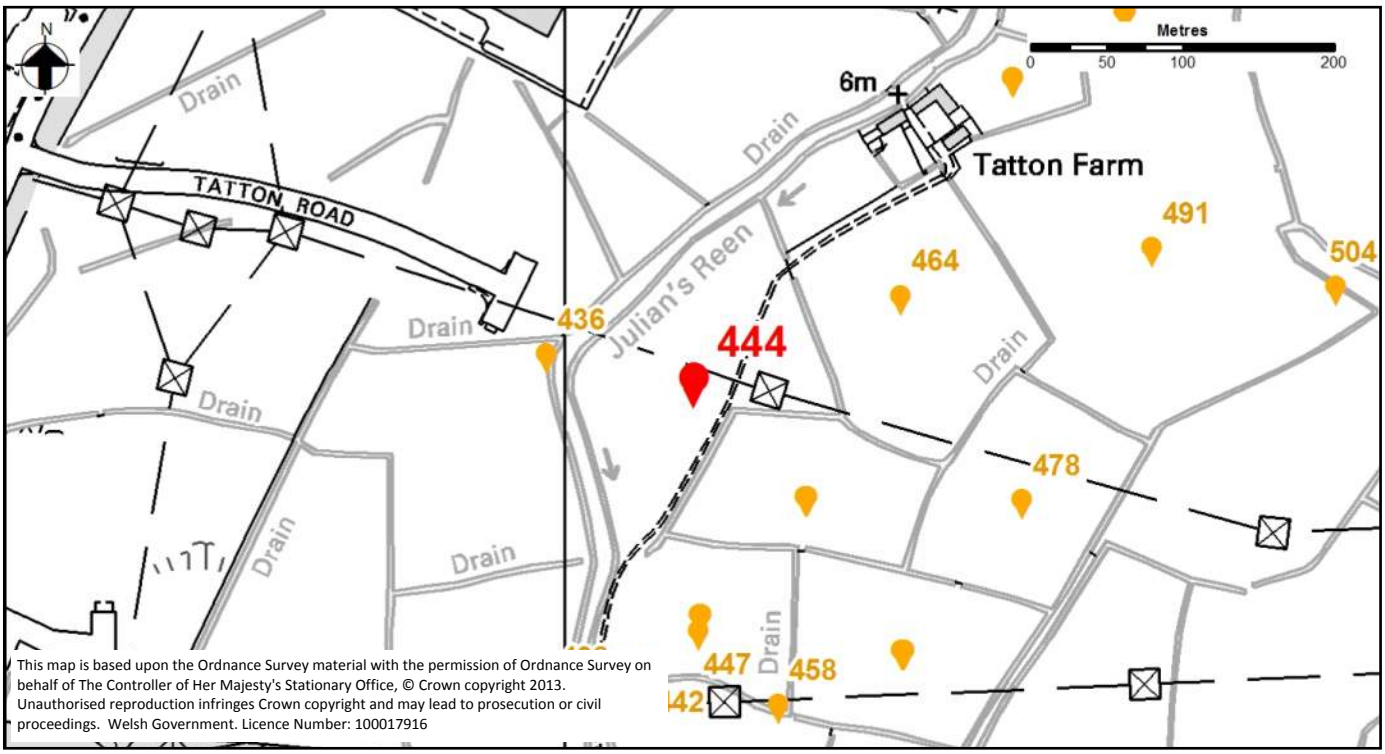

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	445	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dandelion sp.

Potential for Protected Species:

Target Note Location Map:

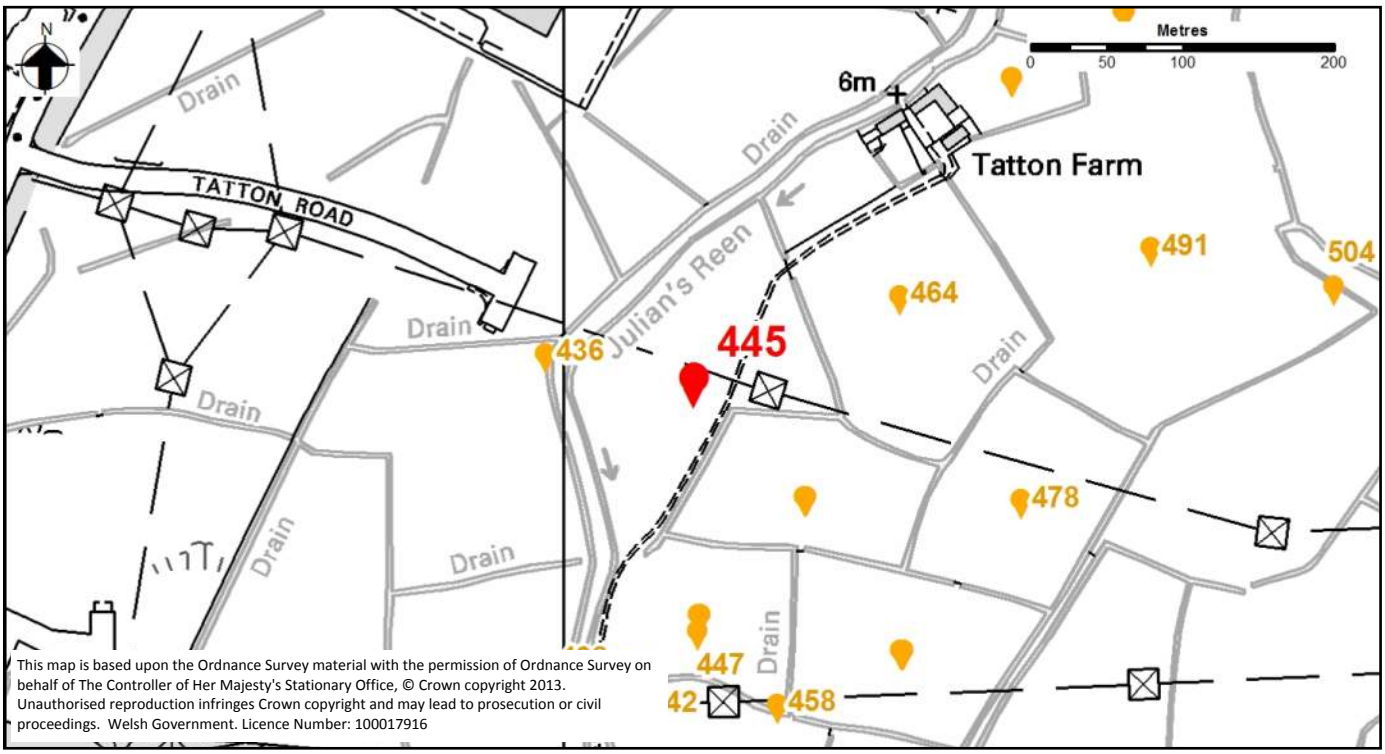

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	446	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dandelion sp.

Potential for Protected Species:

Target Note Location Map:

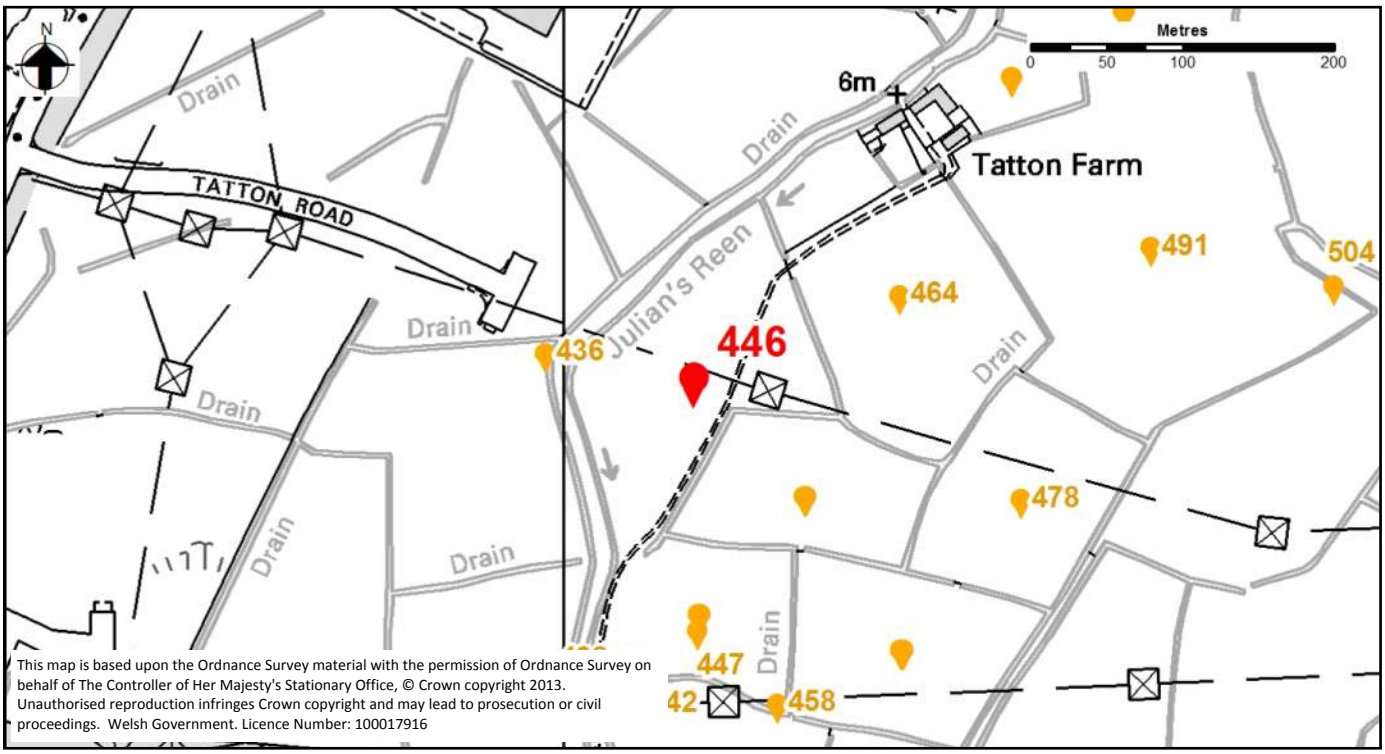

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	447	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora species include: Creeping thistle, crested dogstail, Yorkshire fog, common nettle, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

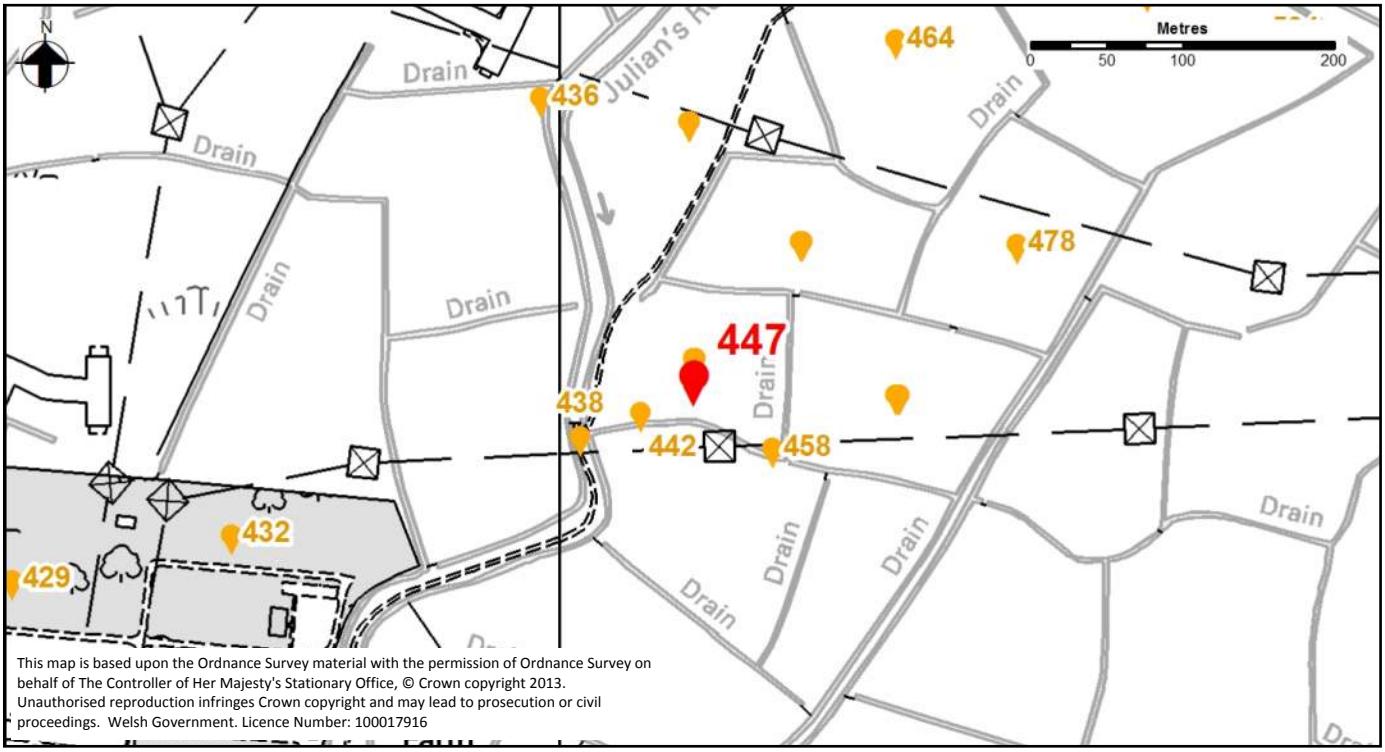

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	448	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora species include: creeping thistle, crested dog's tail, Yorkshire fog, common nettle, creeping buttercup, white clover, red clover, spear thistle, perennial ryegrass.
Fauna species: Large white butterfly, speckled wood, dragonfly sp., green woodpecker

Potential for Protected Species:

Target Note Location Map:

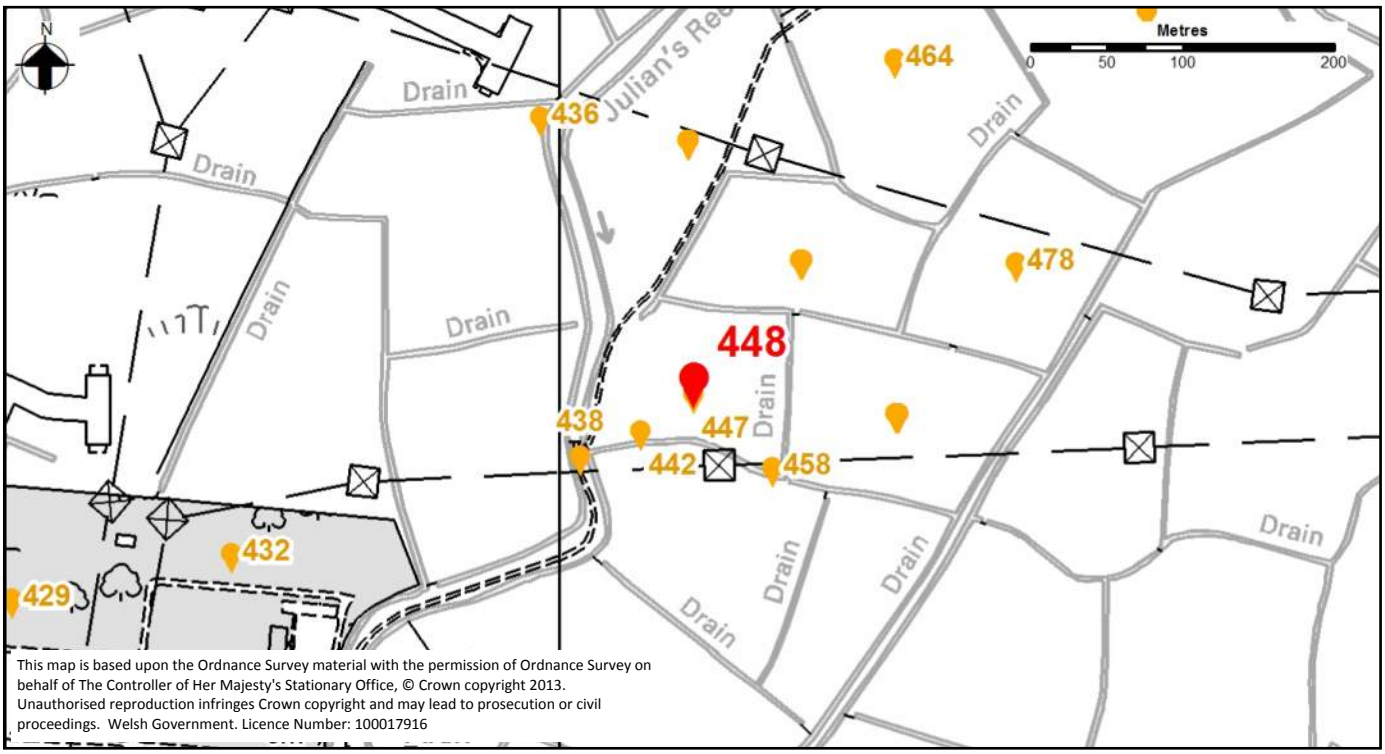

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	449	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora species include: Creeping thistle, crested dog's tail, Yorkshire fog, common nettle, creeping buttercup, white clover, red clover, spear thistle, perennial ryegrass.
Fauna species: Large white butterfly, speckled wood, dragonfly sp., green woodpecker

Potential for Protected Species:

Target Note Location Map:

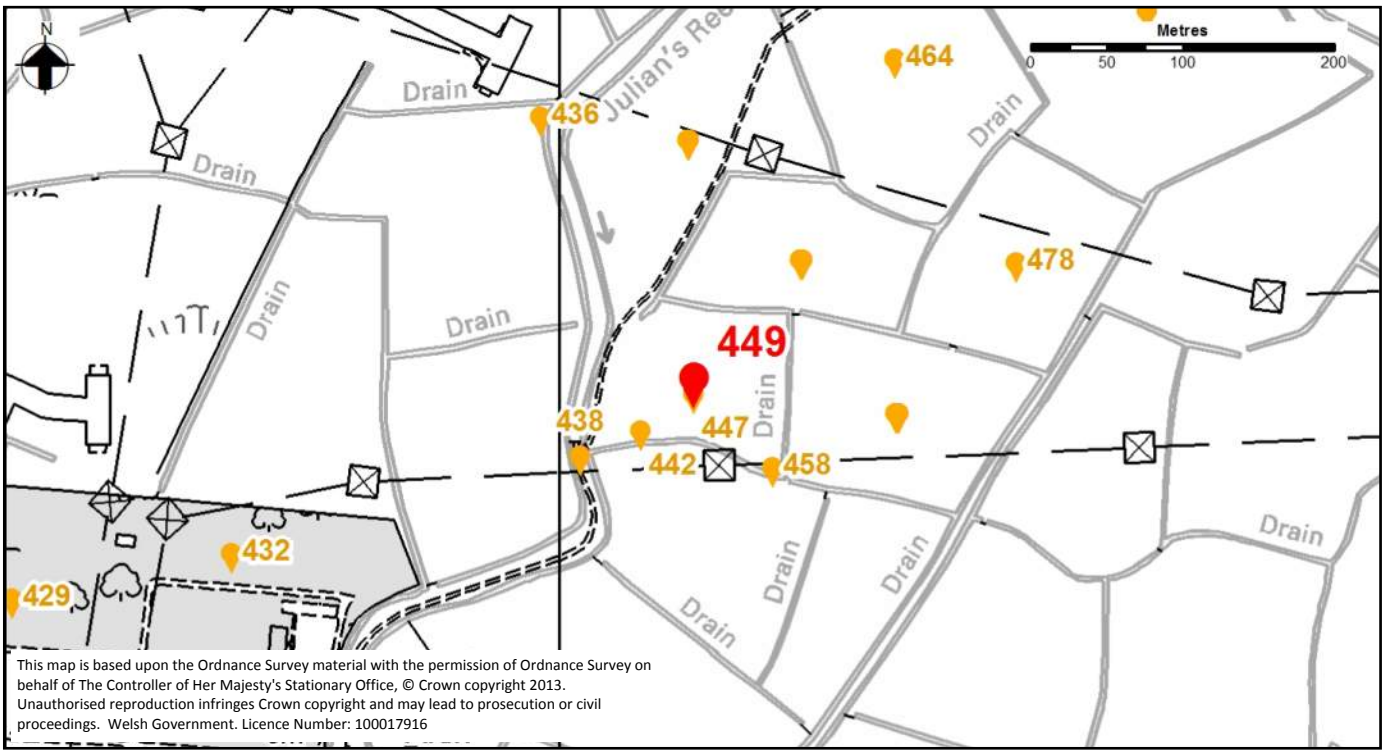

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	450	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora species include: creeping thistle, crested dog's tail, Yorkshire fog, common nettle, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

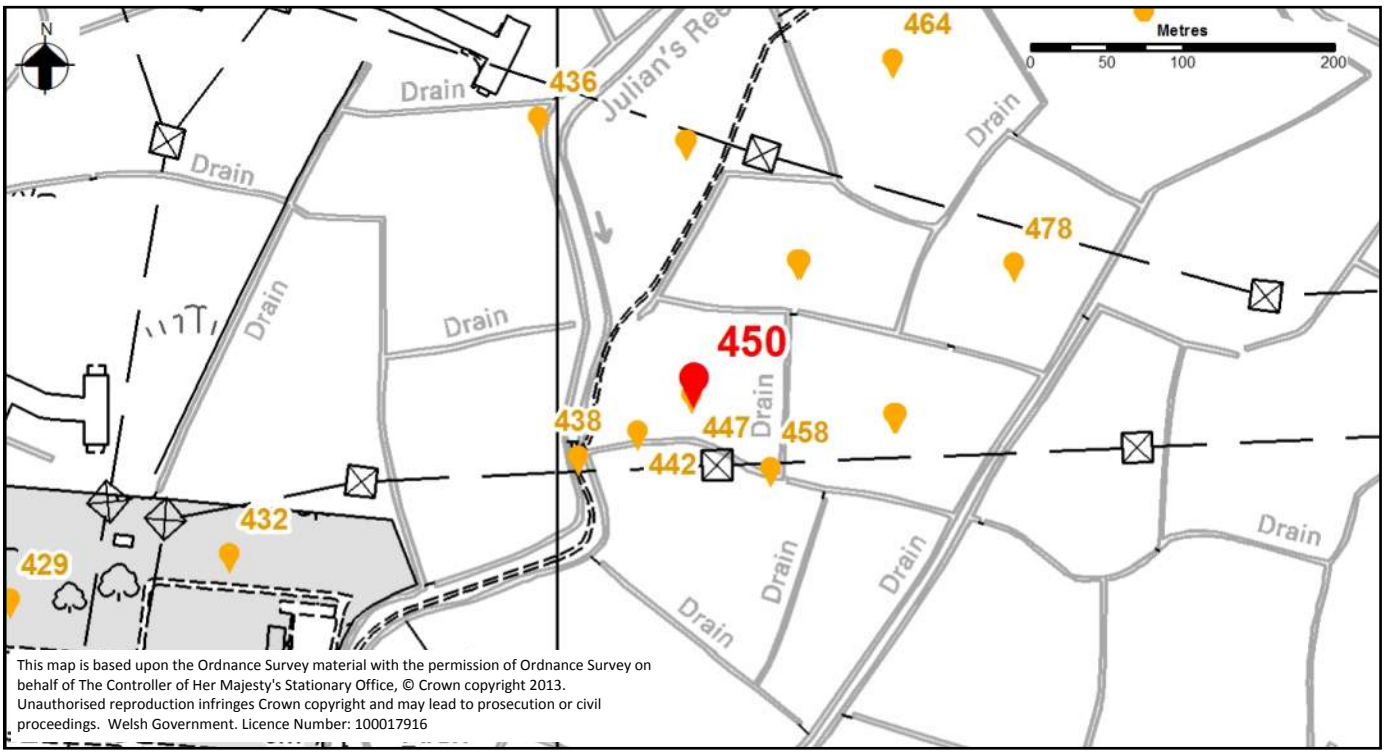

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	451	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora species include: creeping thistle, crested dog's tail, Yorkshire fog, common nettle, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

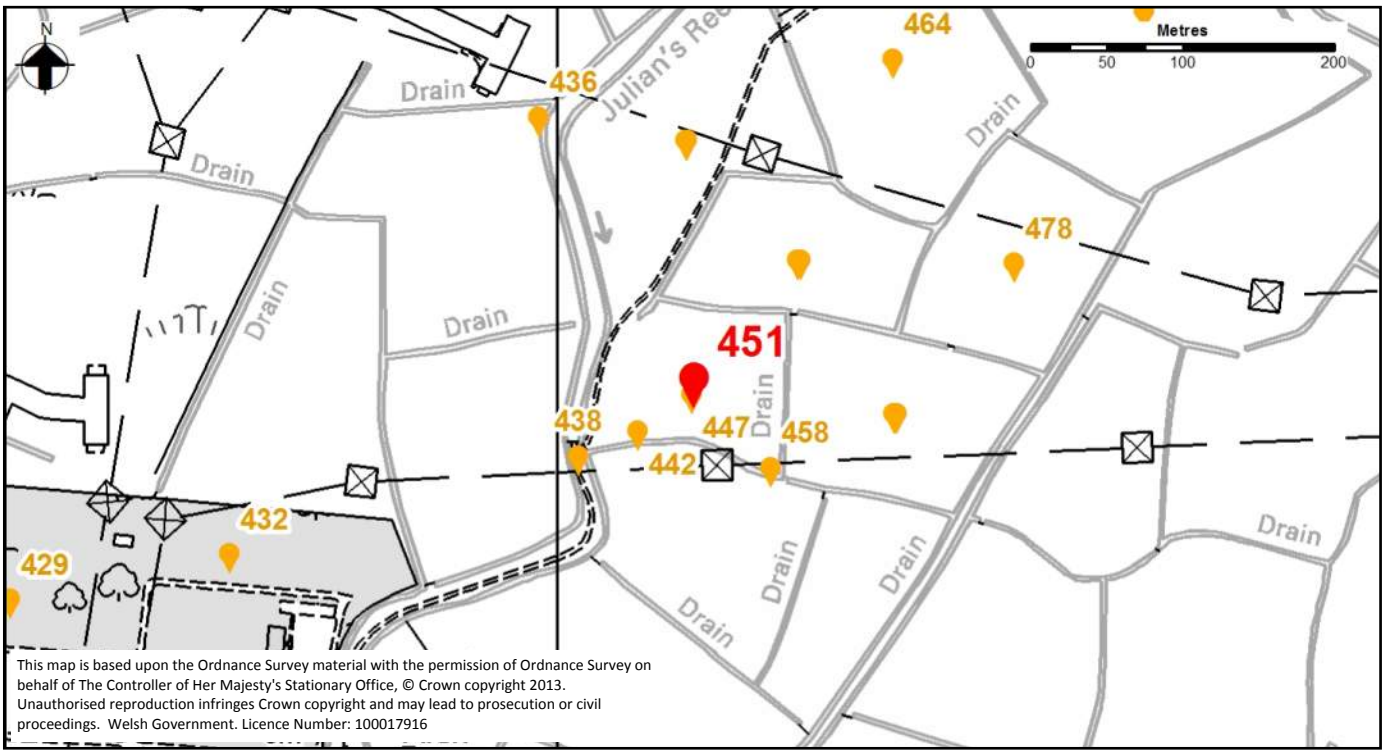

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	452	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Juncus <25%, white clover, meadow buttercup, meadow foxtail, red clover, narrow leaved dock, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

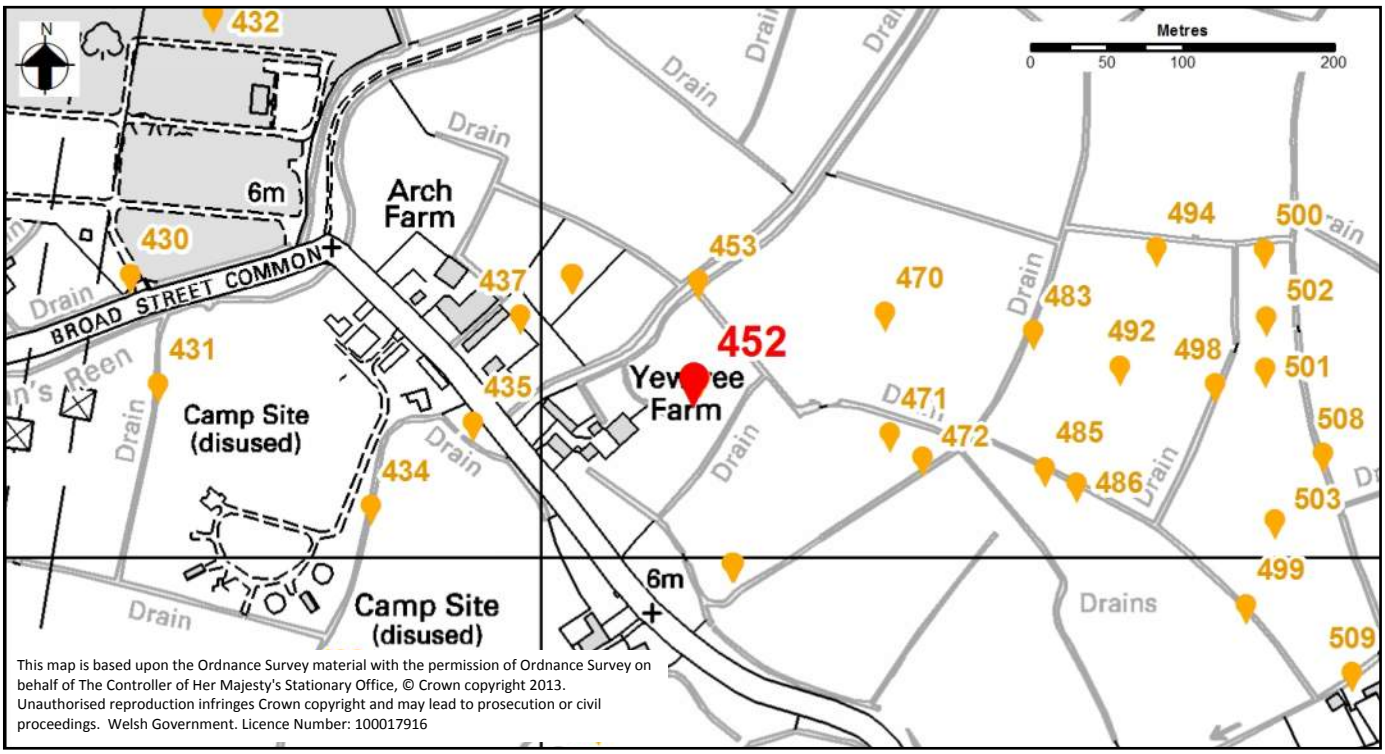

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	453	Date:	30-07-2014 15:58	GPS:	51.56, -2.94

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Bats

Target Note:

Hedgerow with bat potential

Target Note Location Map:

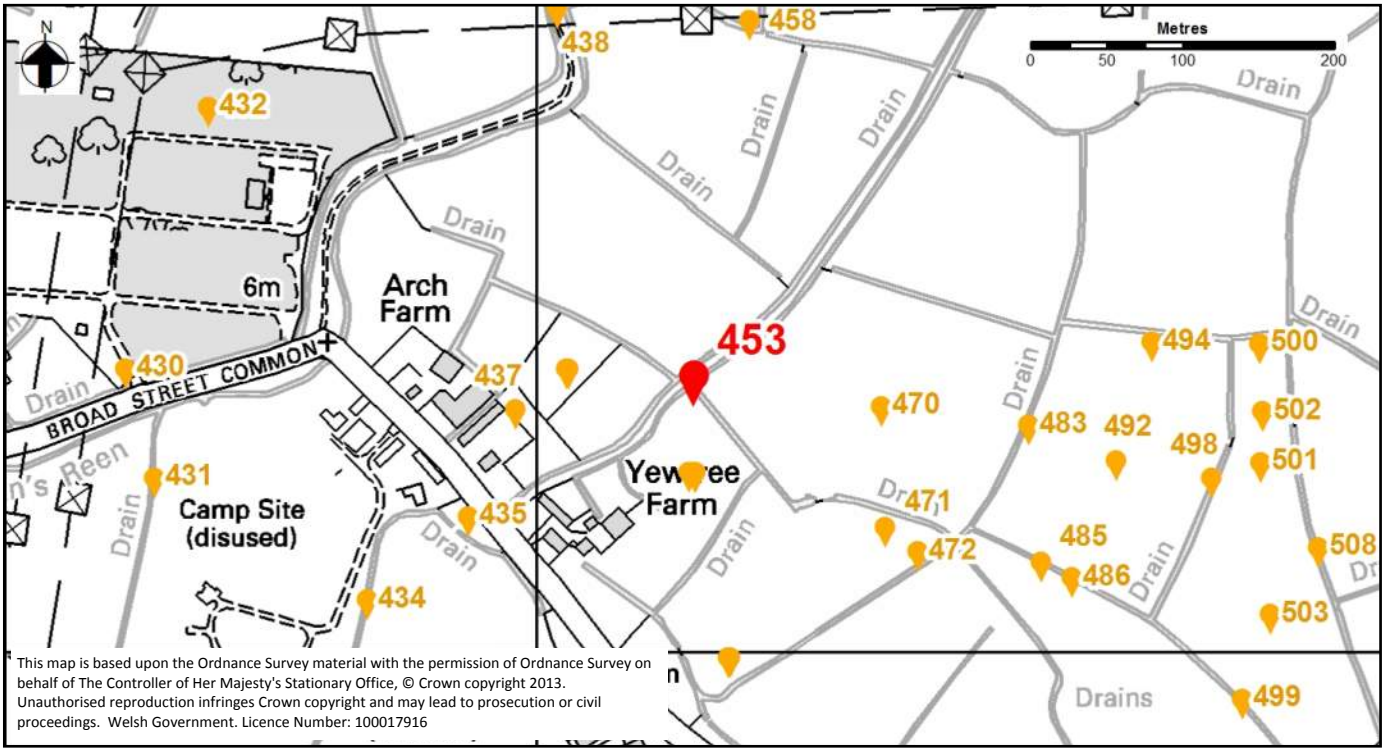

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	454	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Juncus <25%, white clover, meadow buttercup, meadow foxtail, red clover, narrow leaved dock, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

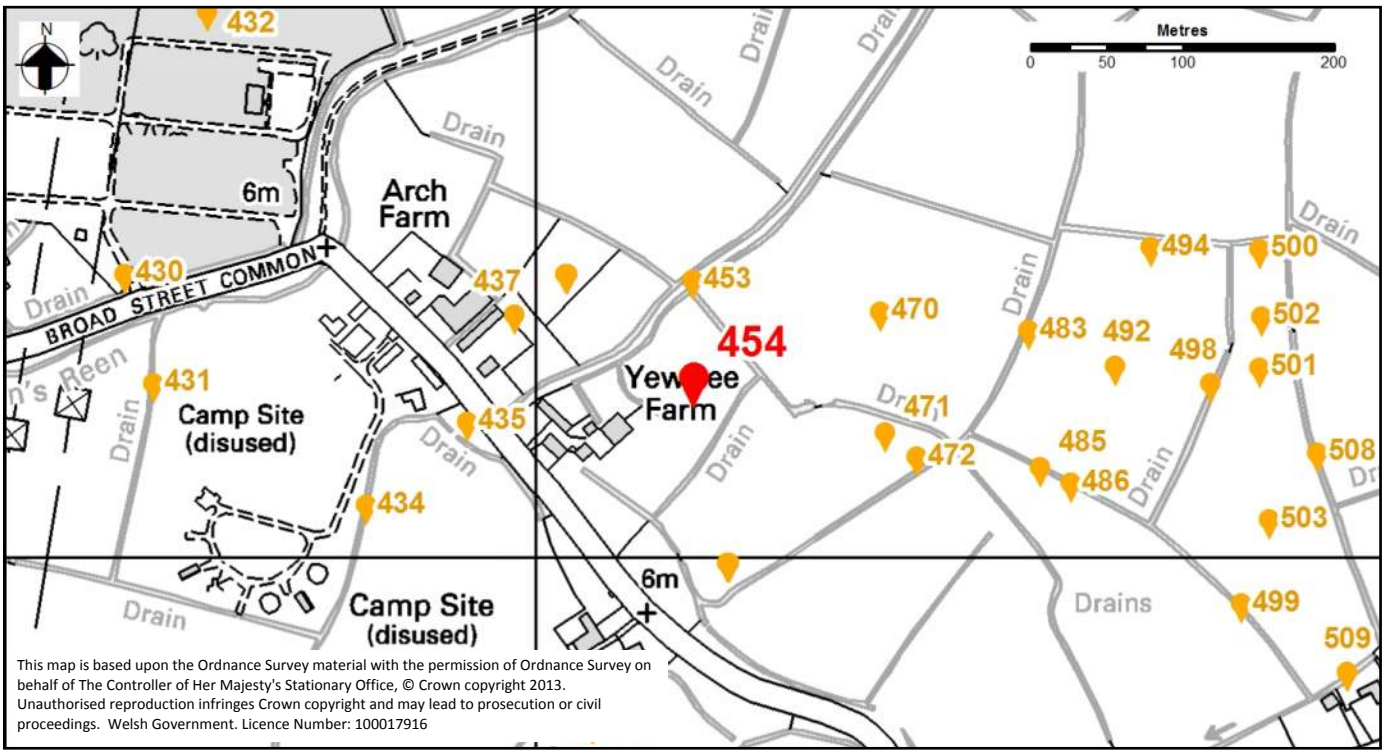

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	455	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Juncus <25%, white clover, meadow buttercup, meadow foxtail, red clover, narrow leaved dock, scentless mayweed

Potential for Protected Species:

Target Note Location Map:

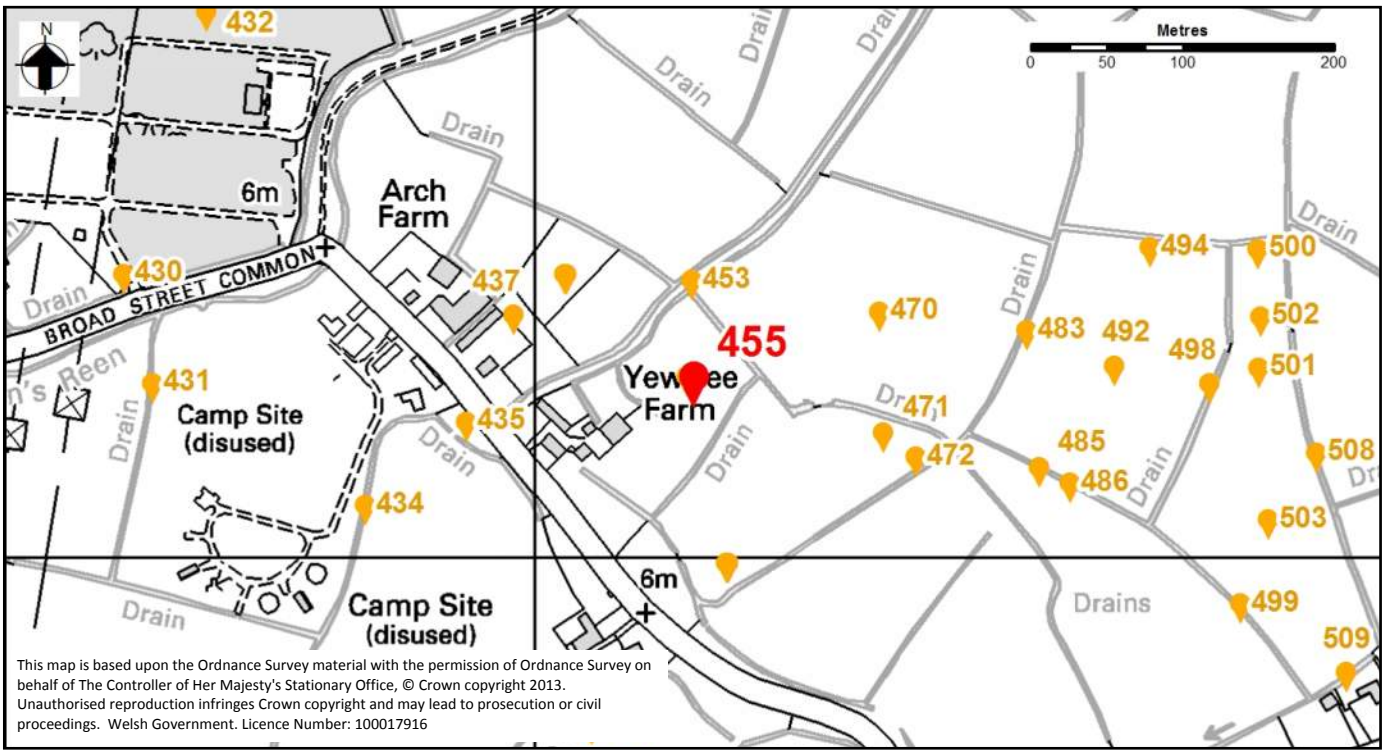

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	456	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Great willowherb, nettle, narrow leaved dock, willow sp., thistle sp., broad leaved dock, bramble.

Potential for Protected Species:

Target Note Location Map:

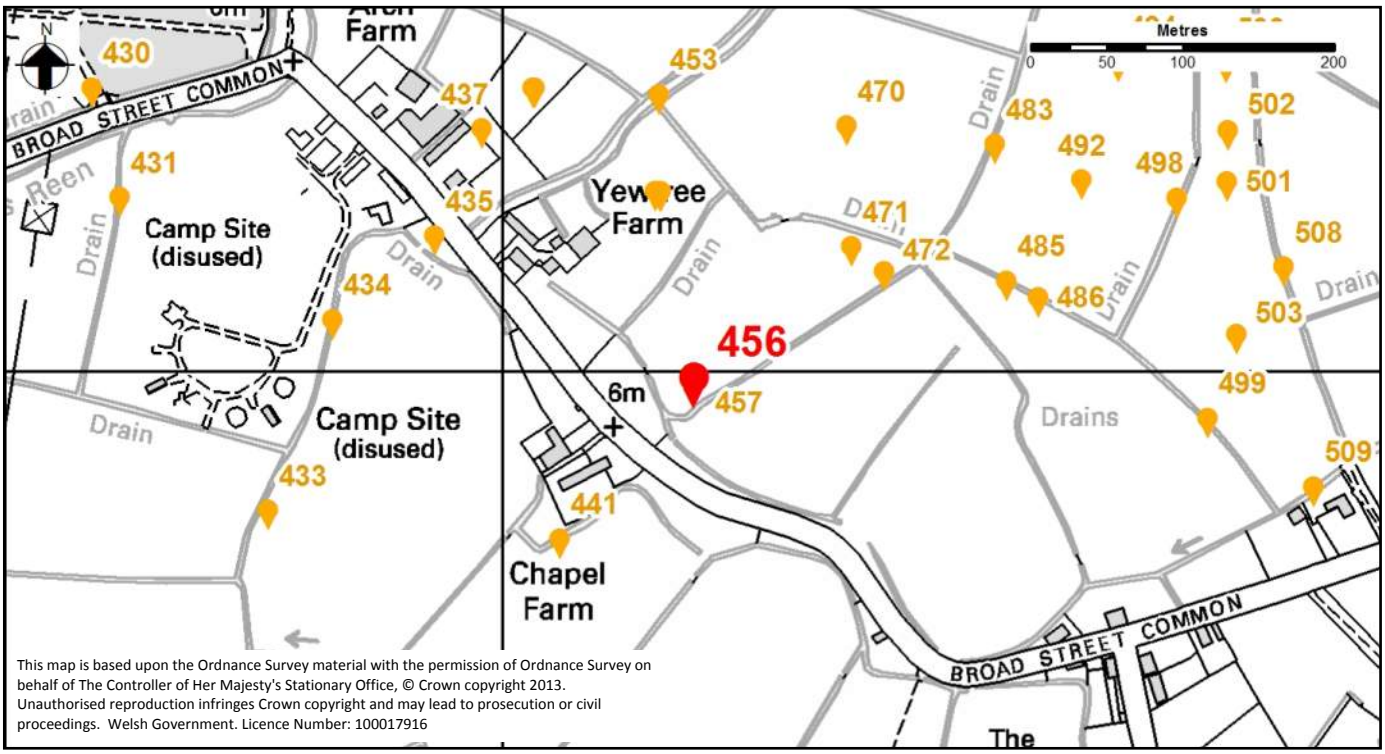

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	457	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Great willowherb, nettle, narrow leaf dock, willow sp., thistle sp., broad leaved dock, bramble, wild carrot

Potential for Protected Species:

Target Note Location Map:

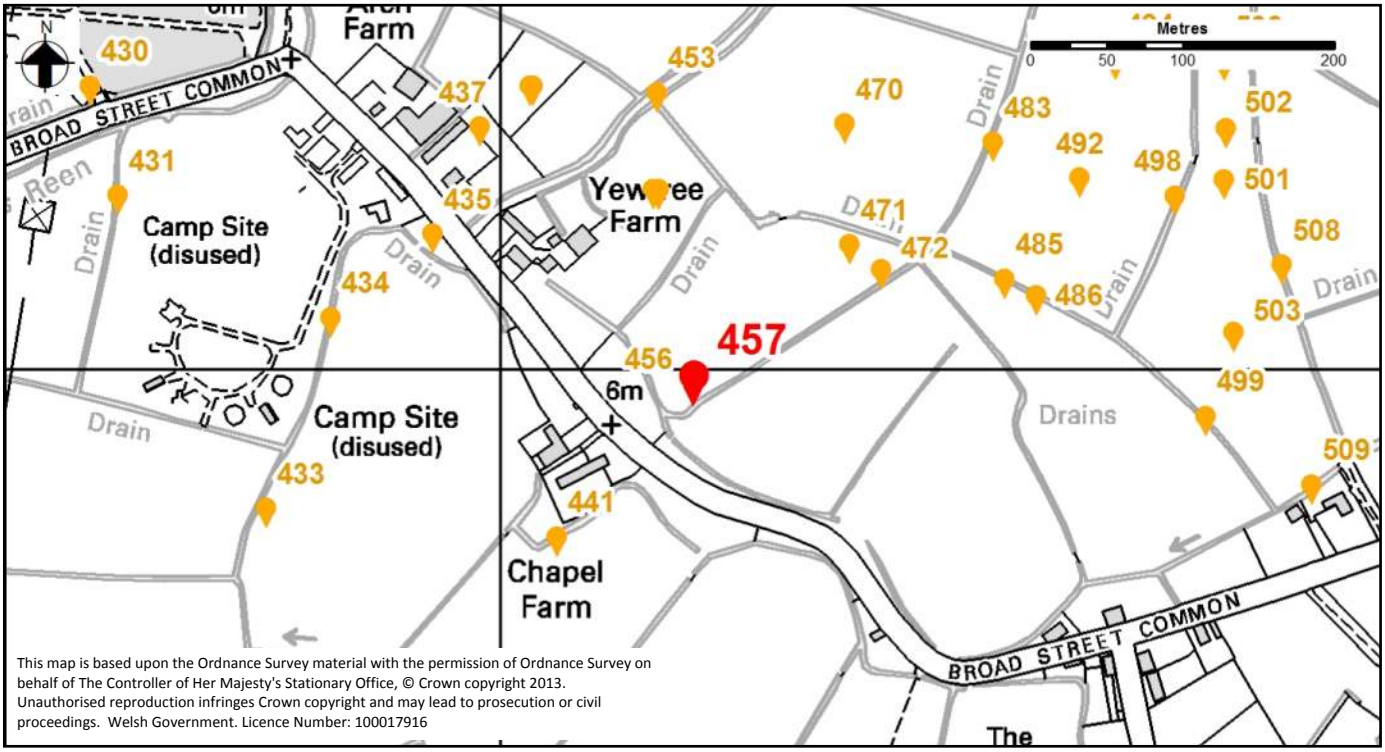

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	458	Date:	23-04-2014 14:36	GPS:	51.56, -2.94

Dominant Habitats:

Improved grassland/ditch

Target Note:

Mammal pathway under fence leading to waterbody

Potential for Protected Species:

Target Note Location Map:

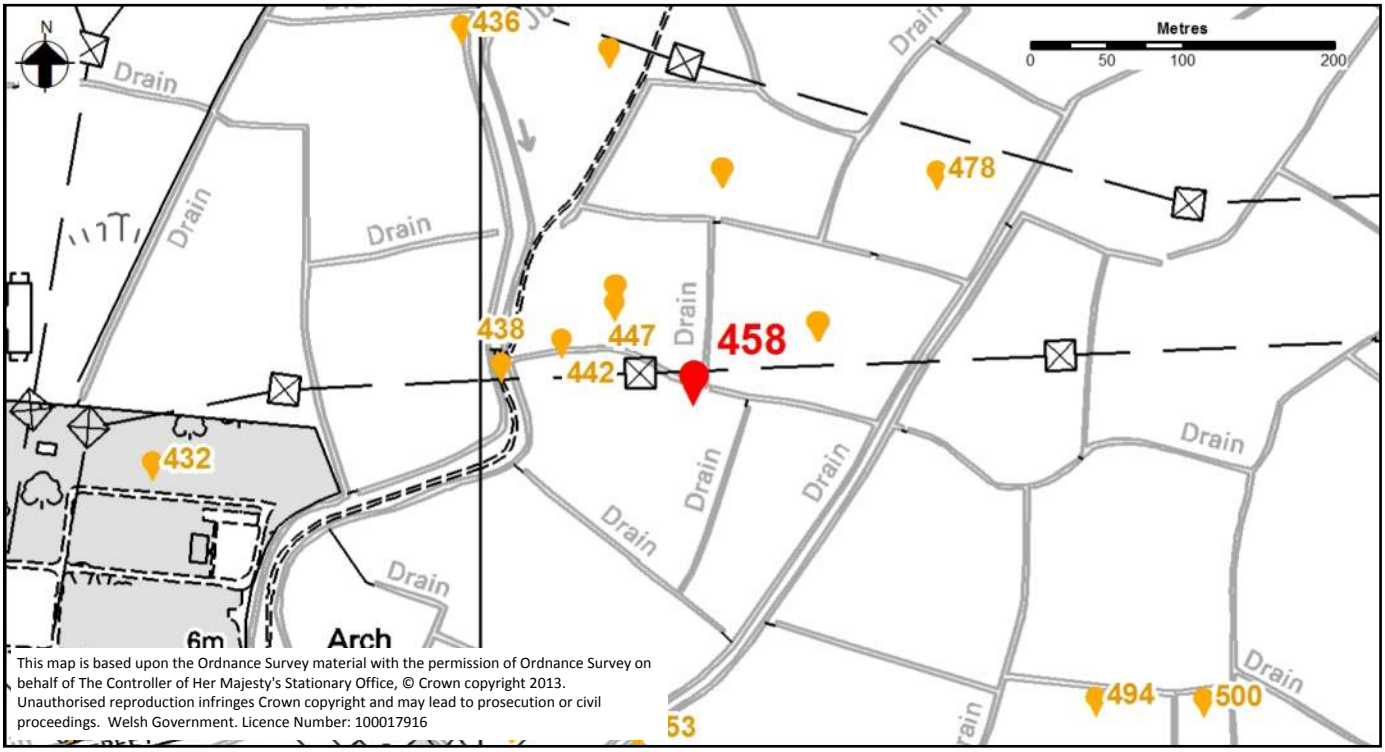

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	459	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, annual meadow grass, coltsfoot, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank

Potential for Protected Species:

Target Note Location Map:

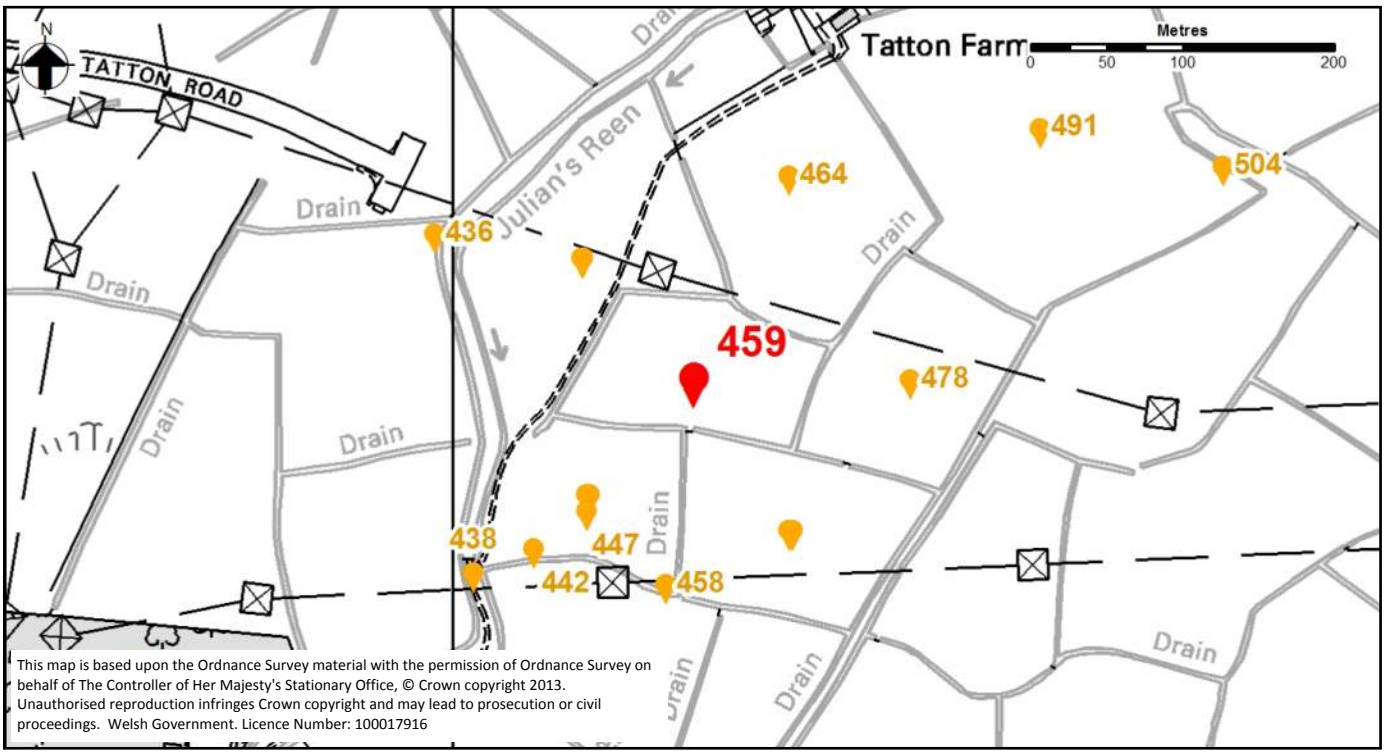

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	460	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, annual meadow grass, coltsfoot, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank

Potential for Protected Species:

Target Note Location Map:

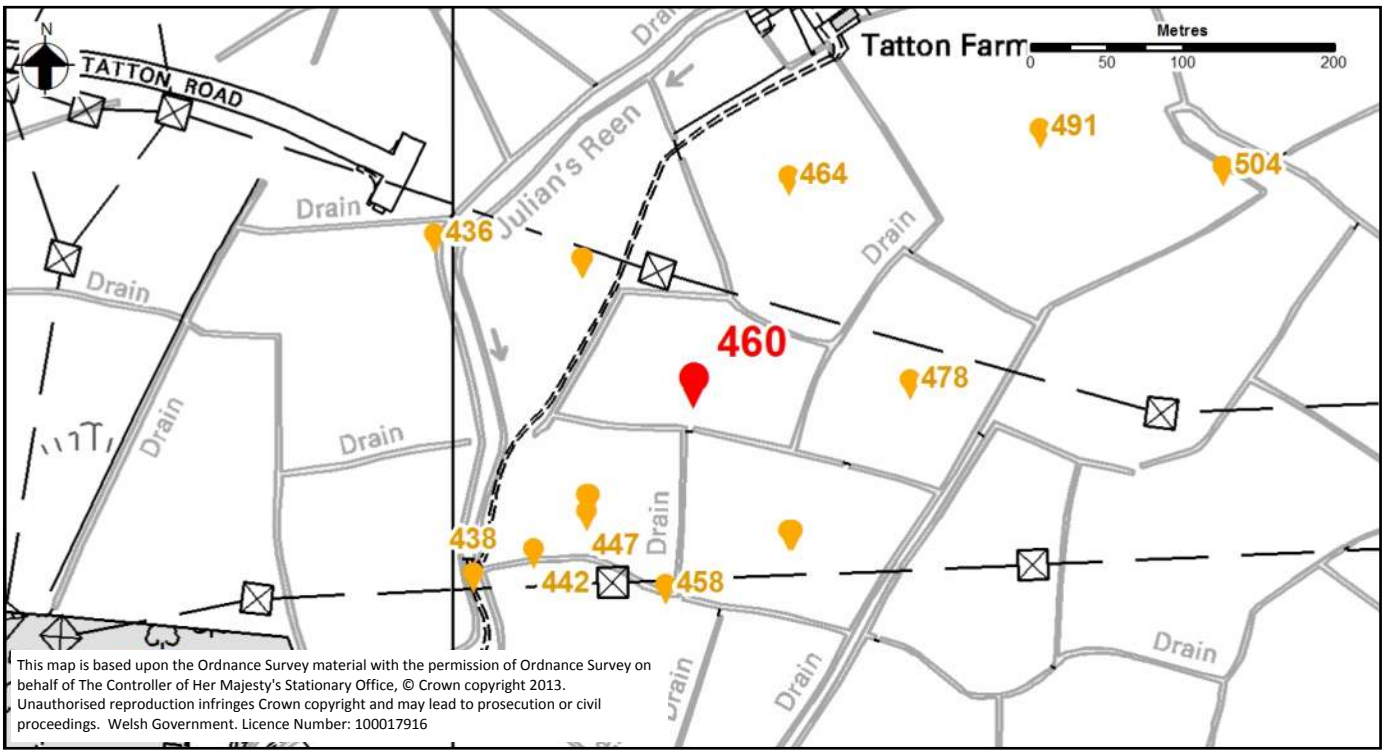

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	461	Date:	28-08-2014	GPS:	51.57, -2.94

Dominant Habitats:

Edge of improved field

Potential for Protected Species:

Reptiles

Target Note:

Rubble pile, potential refugia

Target Note Location Map:

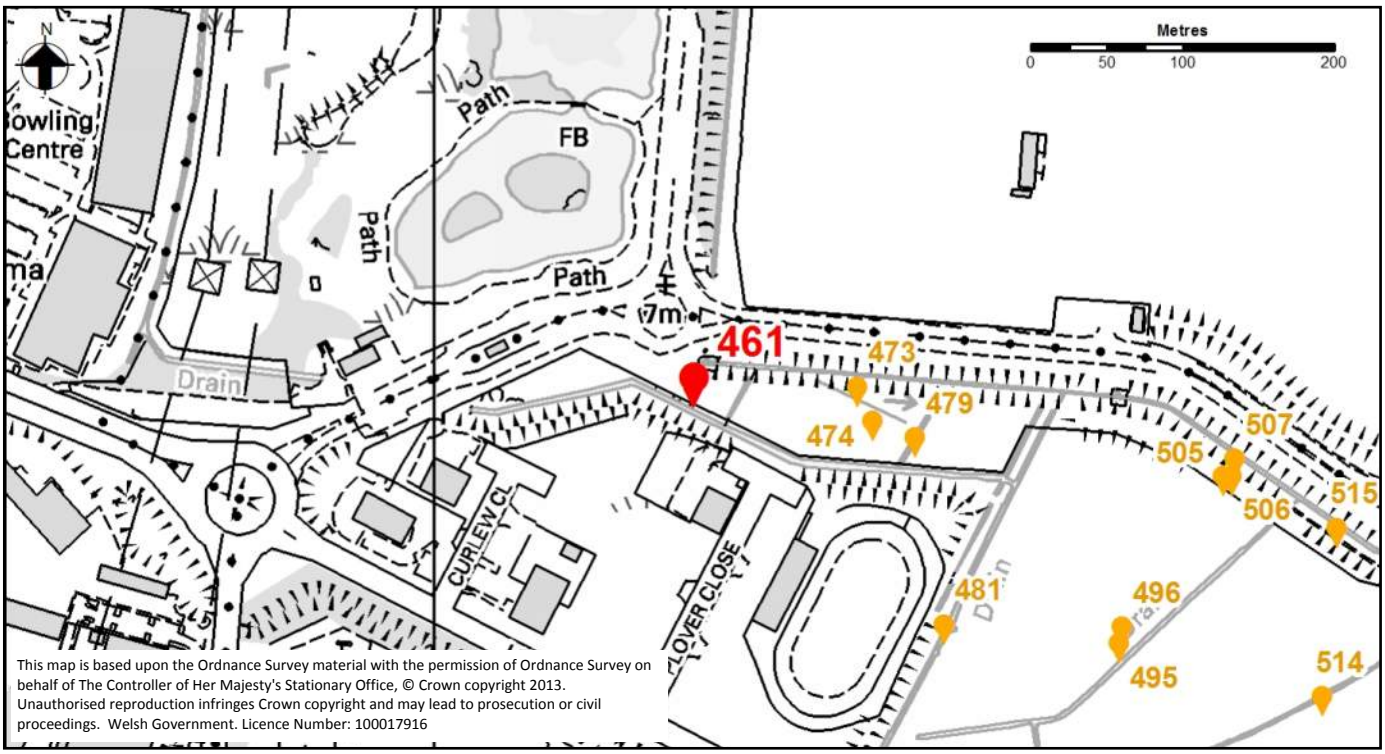

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	462	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, annual meadow grass, coltsfoot, creeping thistle, common nettle, dandelion

Potential for Protected Species:

Target Note Location Map:

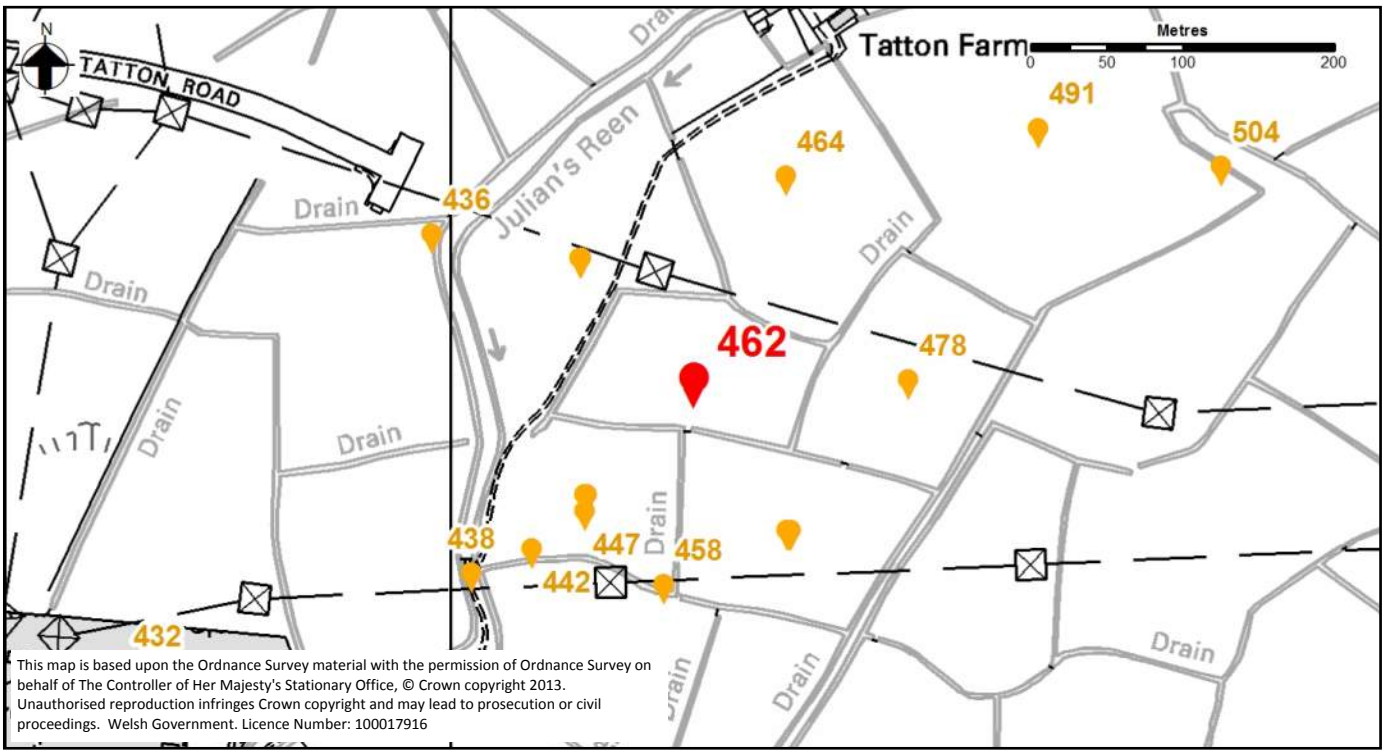

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	463	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, annual meadow grass, coltsfoot, creeping thistle, common nettle, dandelion

Potential for Protected Species:

Target Note Location Map:

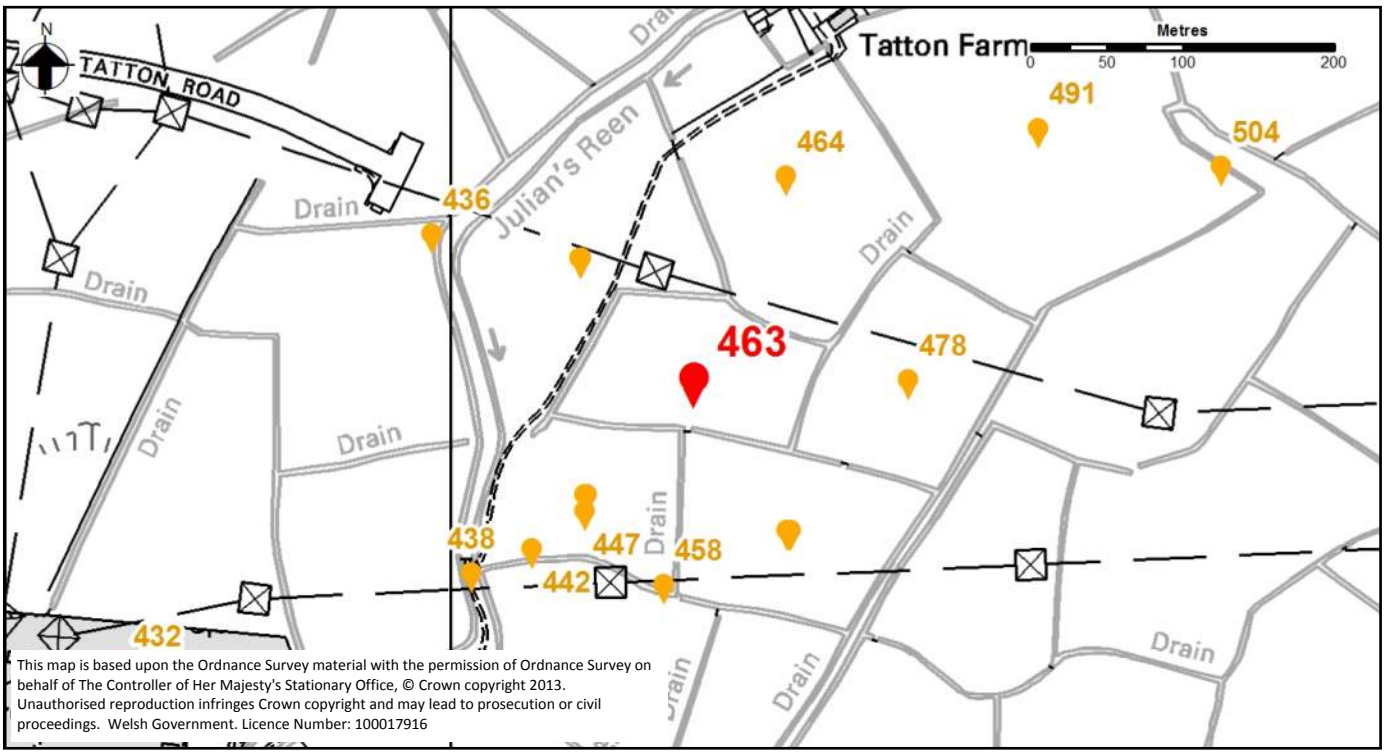

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	464	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, apple tree, pineapple mayweed, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank

Potential for Protected Species:

Target Note Location Map:

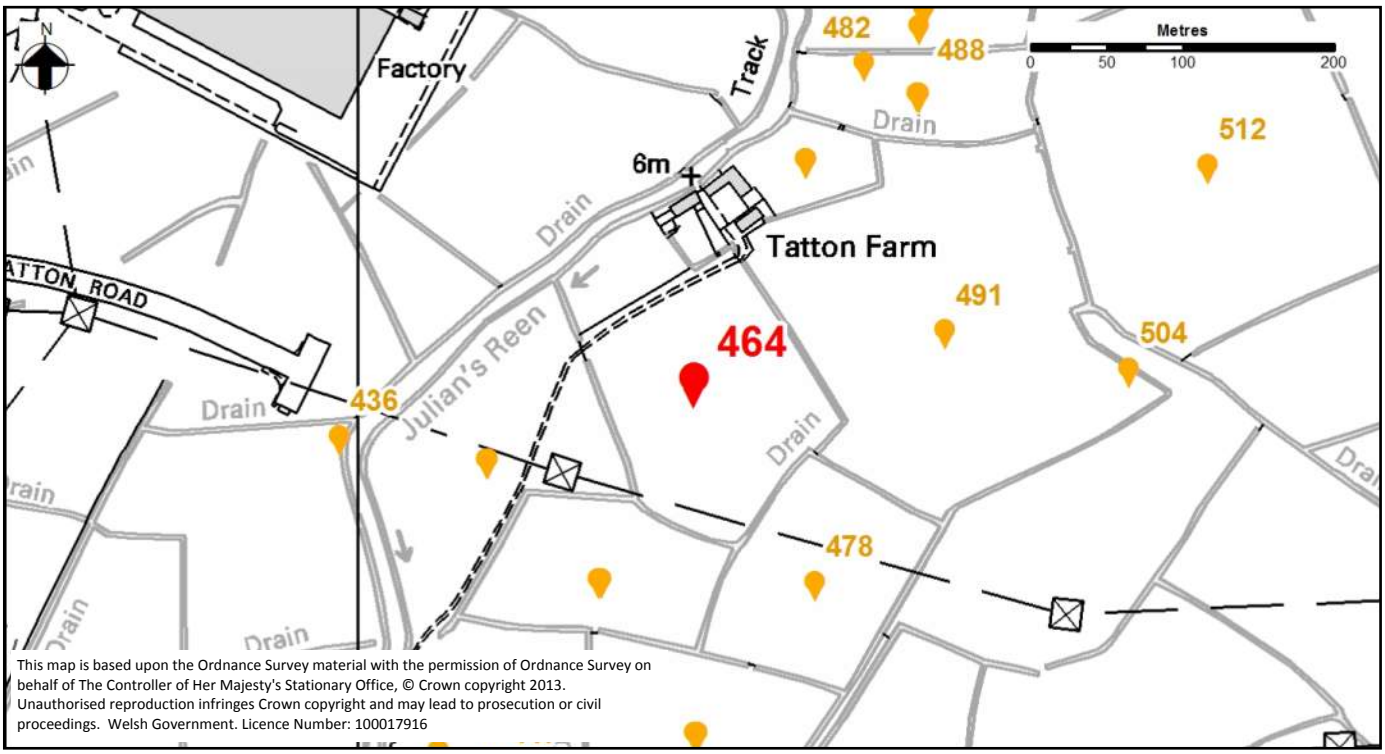

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	465	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, creeping thistle, meadow foxtail, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

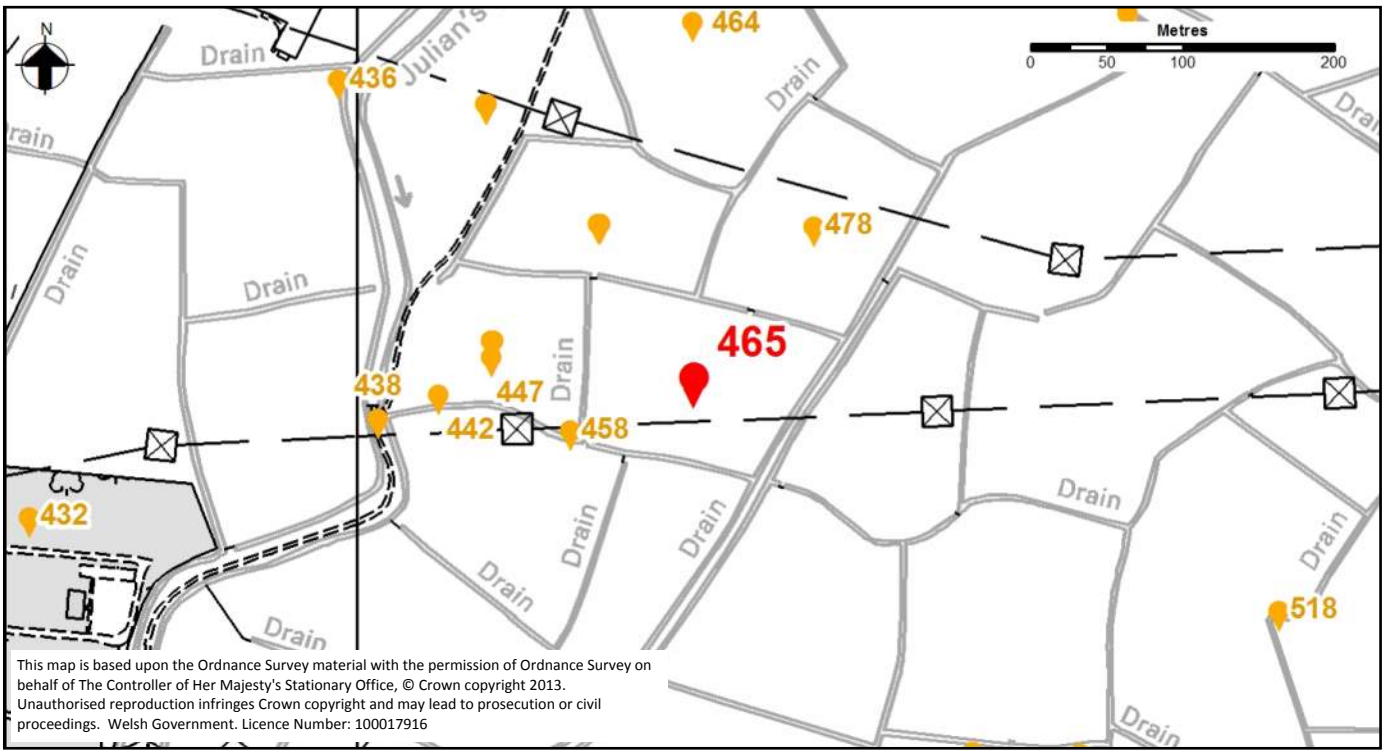

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	466	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, creeping thistle, meadow foxtail, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

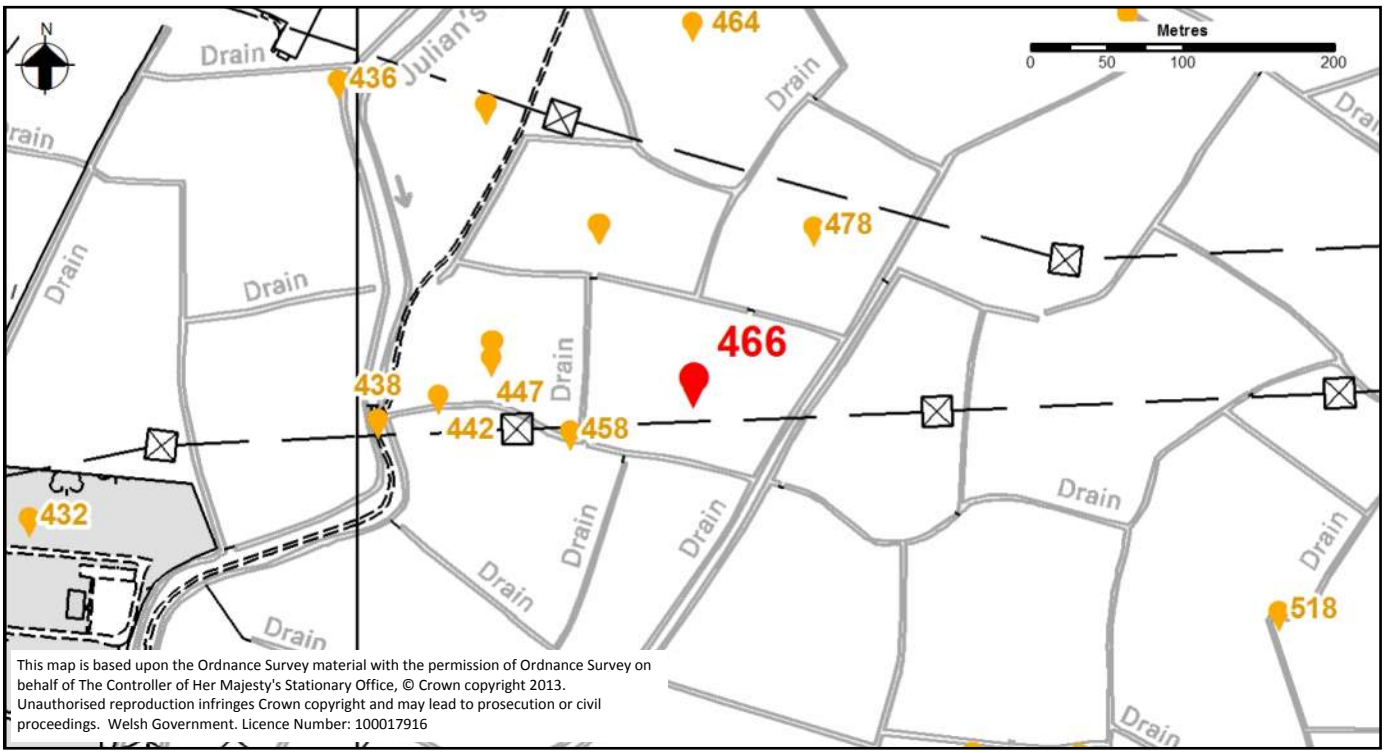

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	467	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, creeping thistle, meadow foxtail, common nettle, dandelion sp.

Potential for Protected Species:

Target Note Location Map:

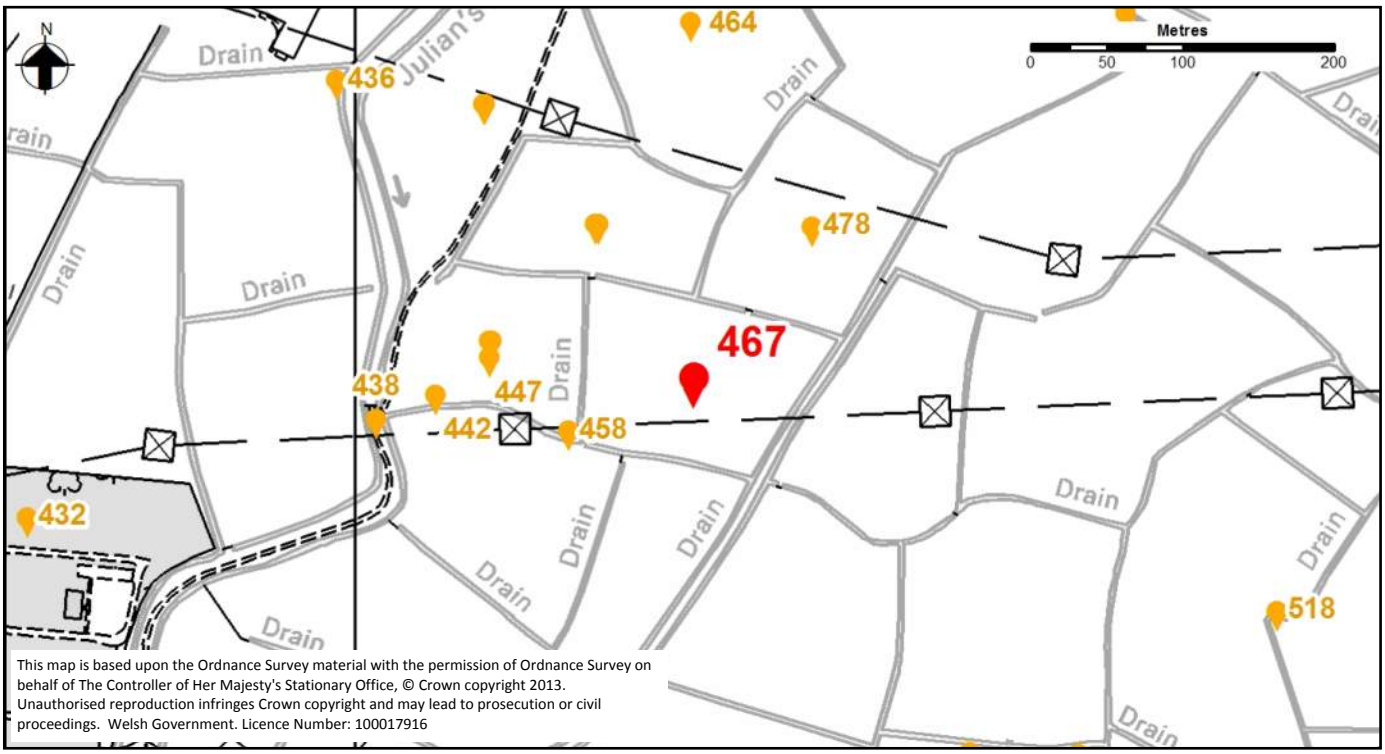

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	468	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, creeping thistle, meadow foxtail, common nettle, dandelion sp., perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

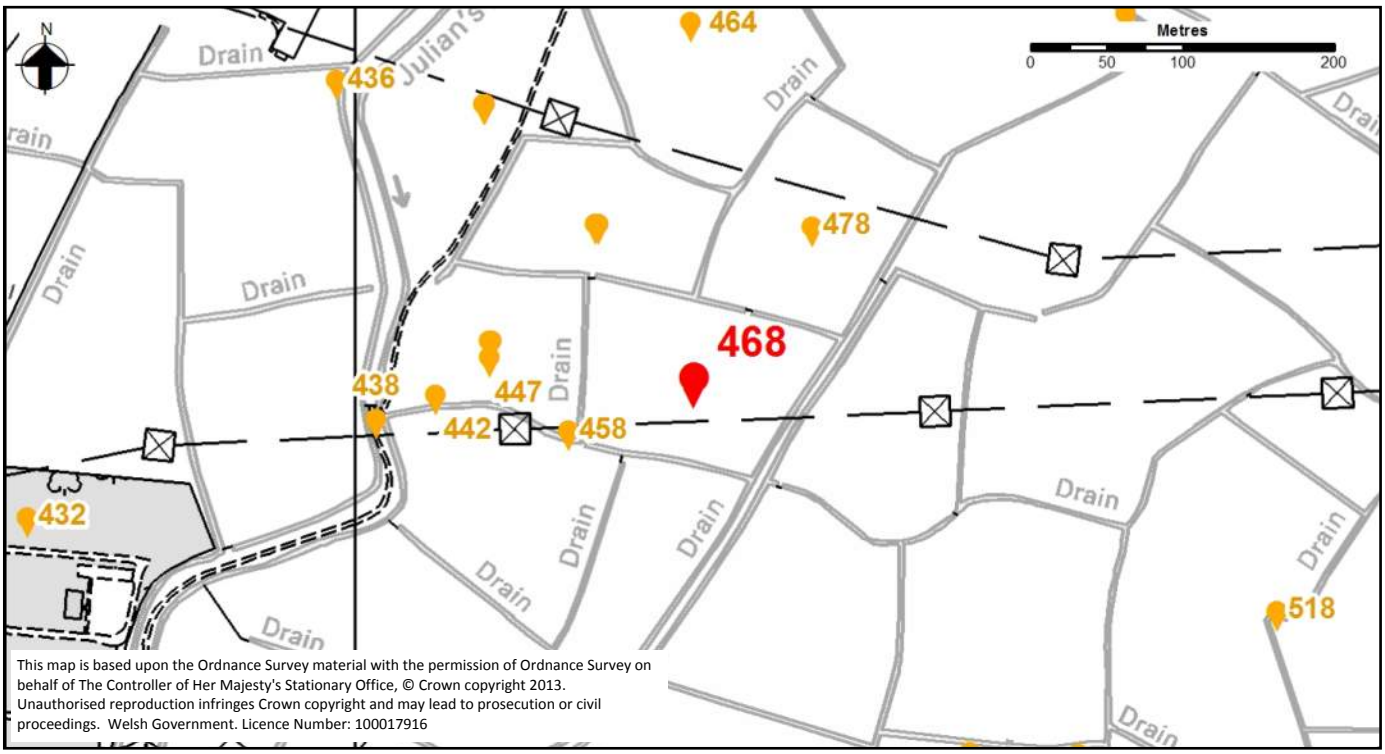

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	469	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, creeping thistle, meadow foxtail, common nettle, dandelion sp., perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

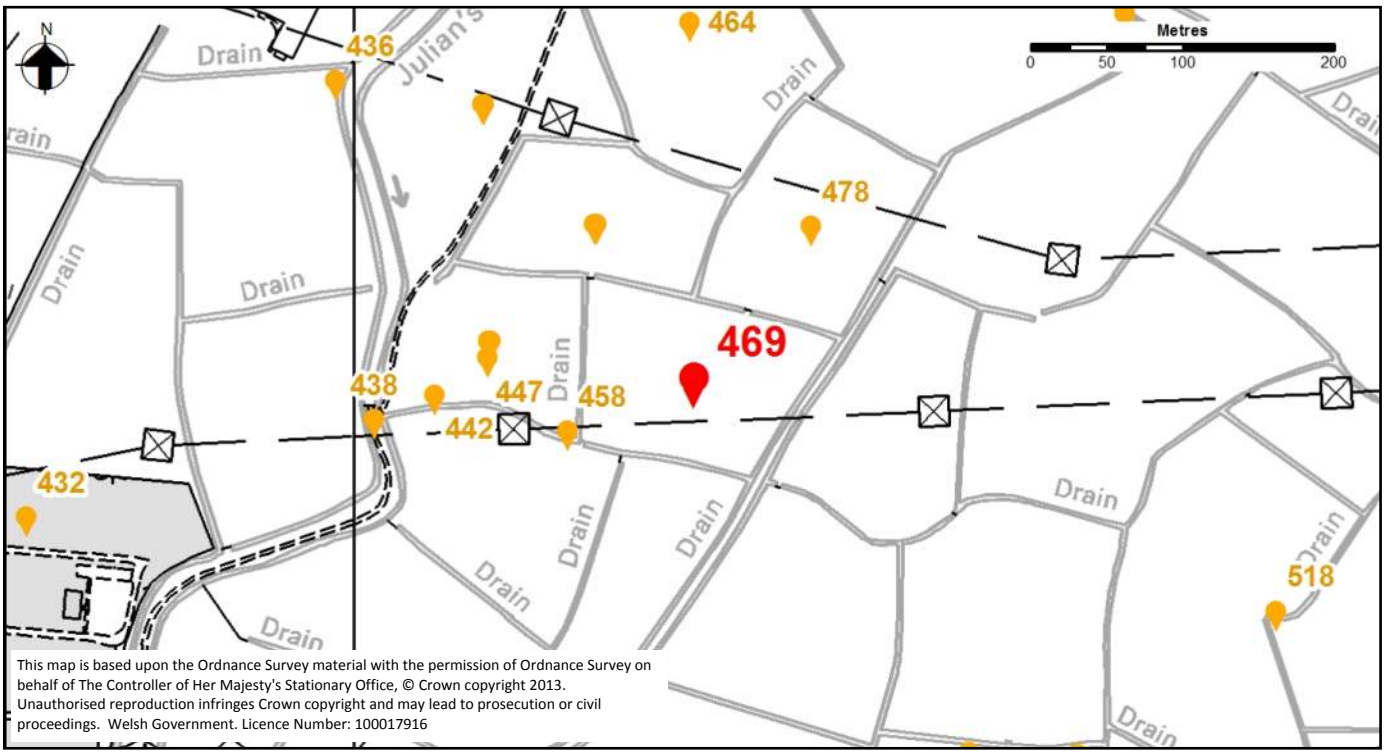

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	470	Date:		GPS:	51.56, -2.94

Dominant Habitats:

Target Note:

Juncus >25%, perennial ryegrass, kidney vetch, narrow leaf dock, meadow buttercup, white clover

Potential for Protected Species:

Target Note Location Map:

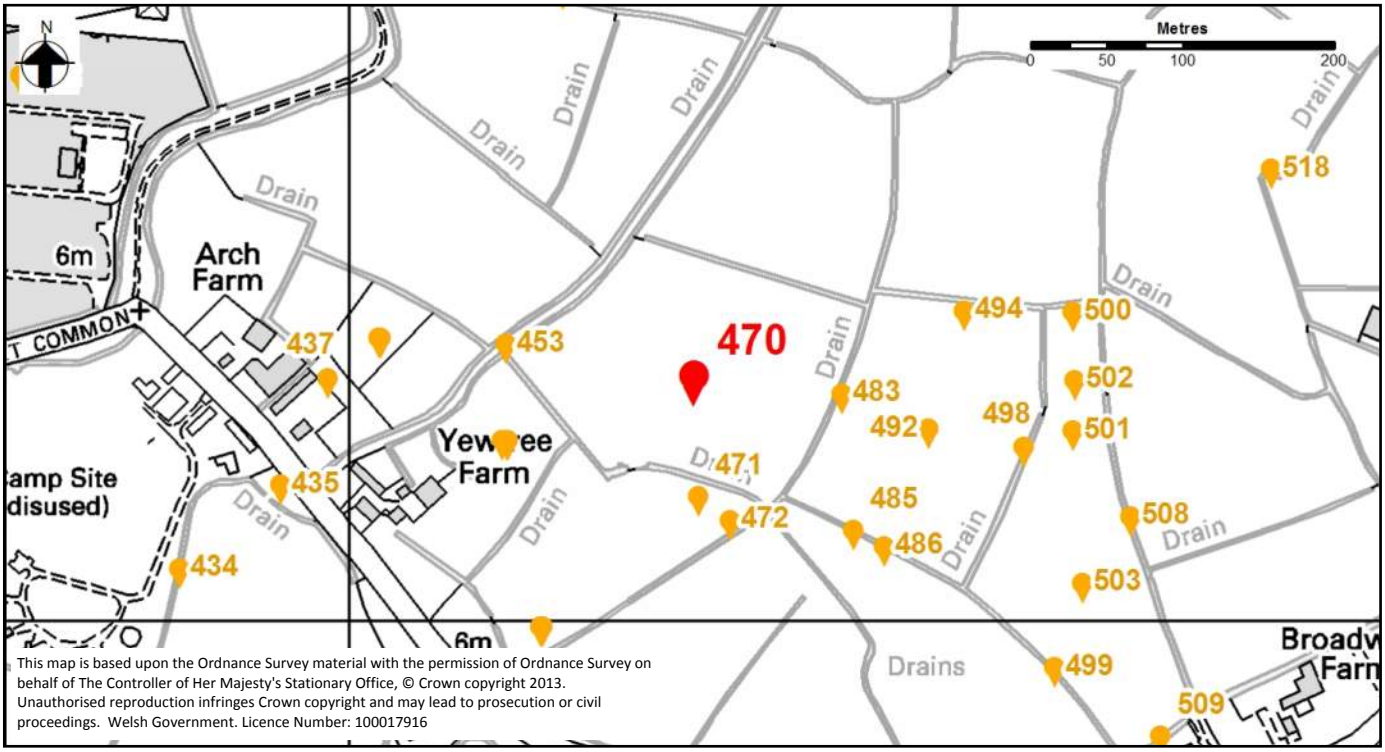

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	471	Date:	30-07-2014	GPS:	51.56, -2.94

Dominant Habitats:

Marshy grassland

Target Note:

Brash pile of hawthorm

Potential for Protected Species:

Breeding birds, reptiles

Target Note Location Map:

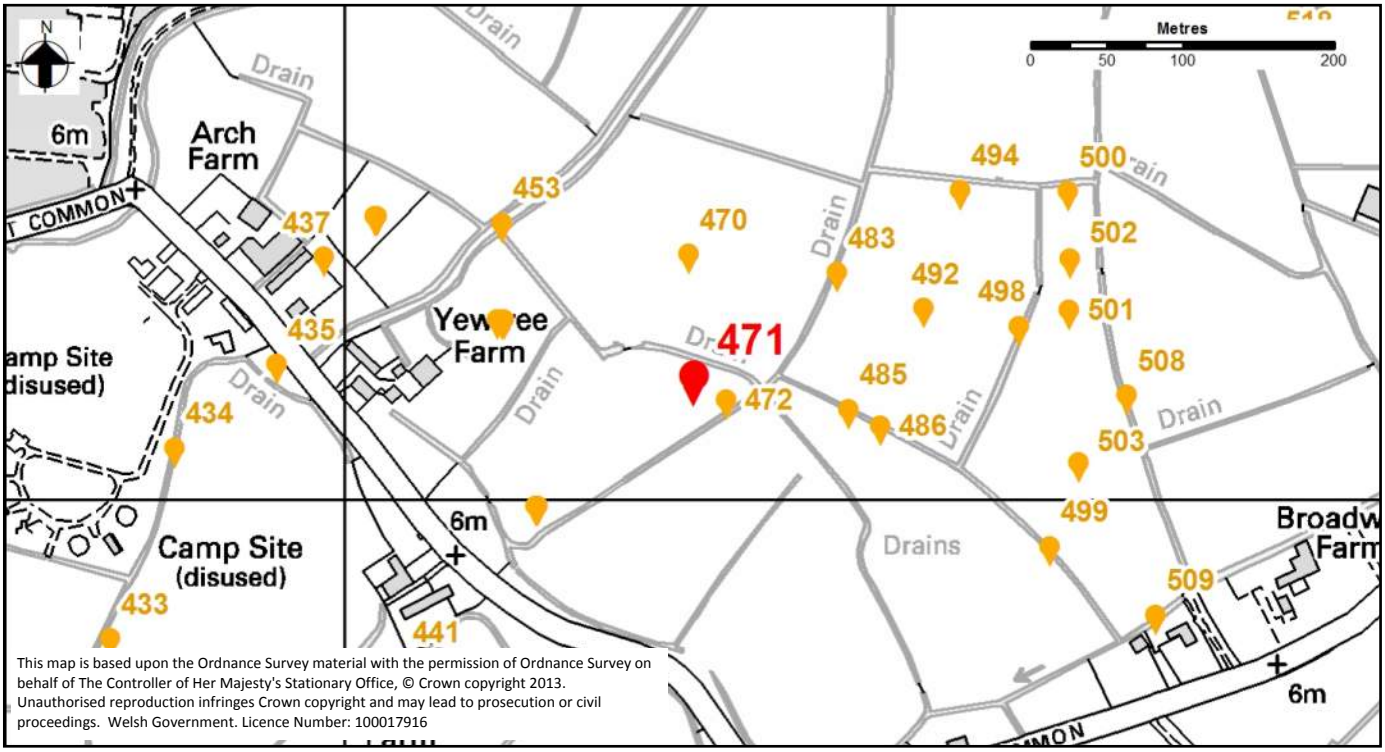

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	472	Date:	30-07-2014 15:22	GPS:	51.56, -2.94

Dominant Habitats:

Hedgerow

Target Note:

Mammal pathways/tracks

Potential for Protected Species:

Target Note Location Map:

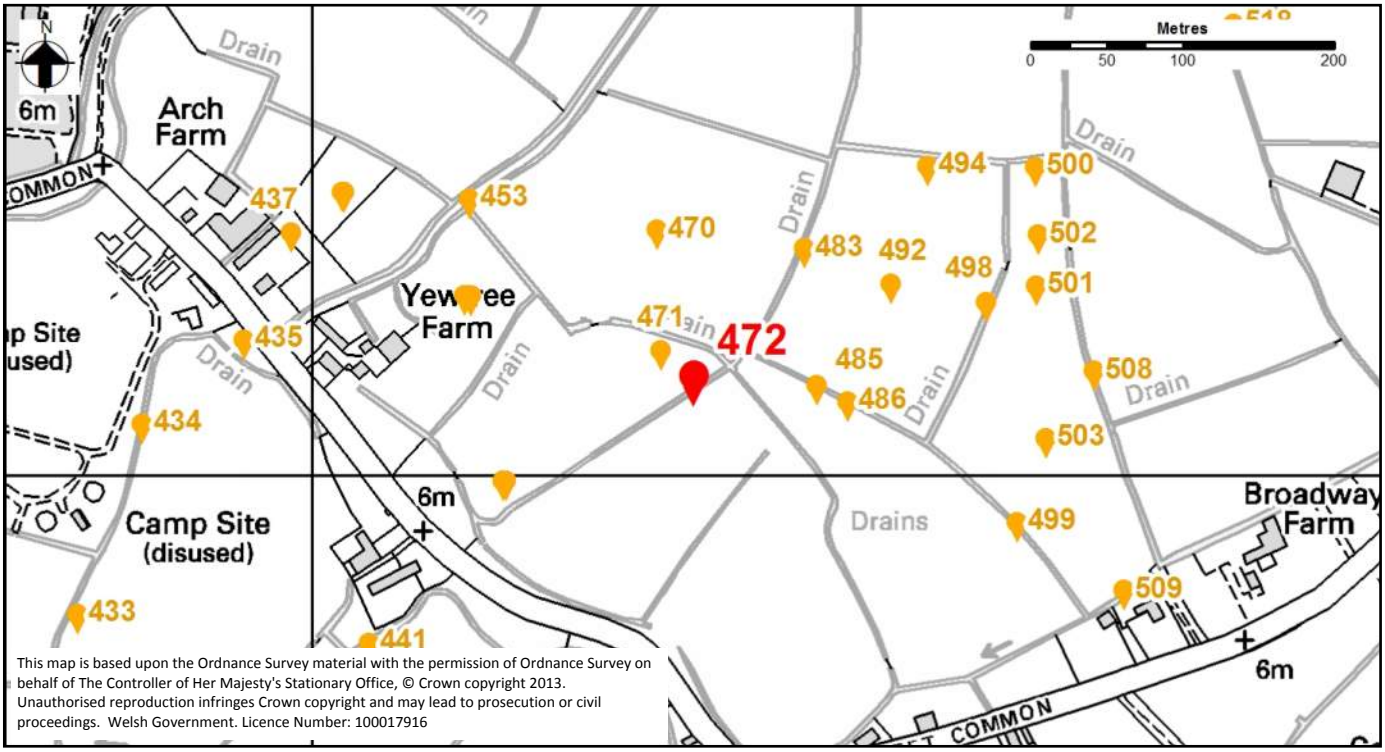

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	473	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Common reed, willowherb, sow thistle, dock sp., buddleia, hedge bindwed, hemlock water dropwort, purple loosestrife

Potential for Protected Species:

Target Note Location Map:

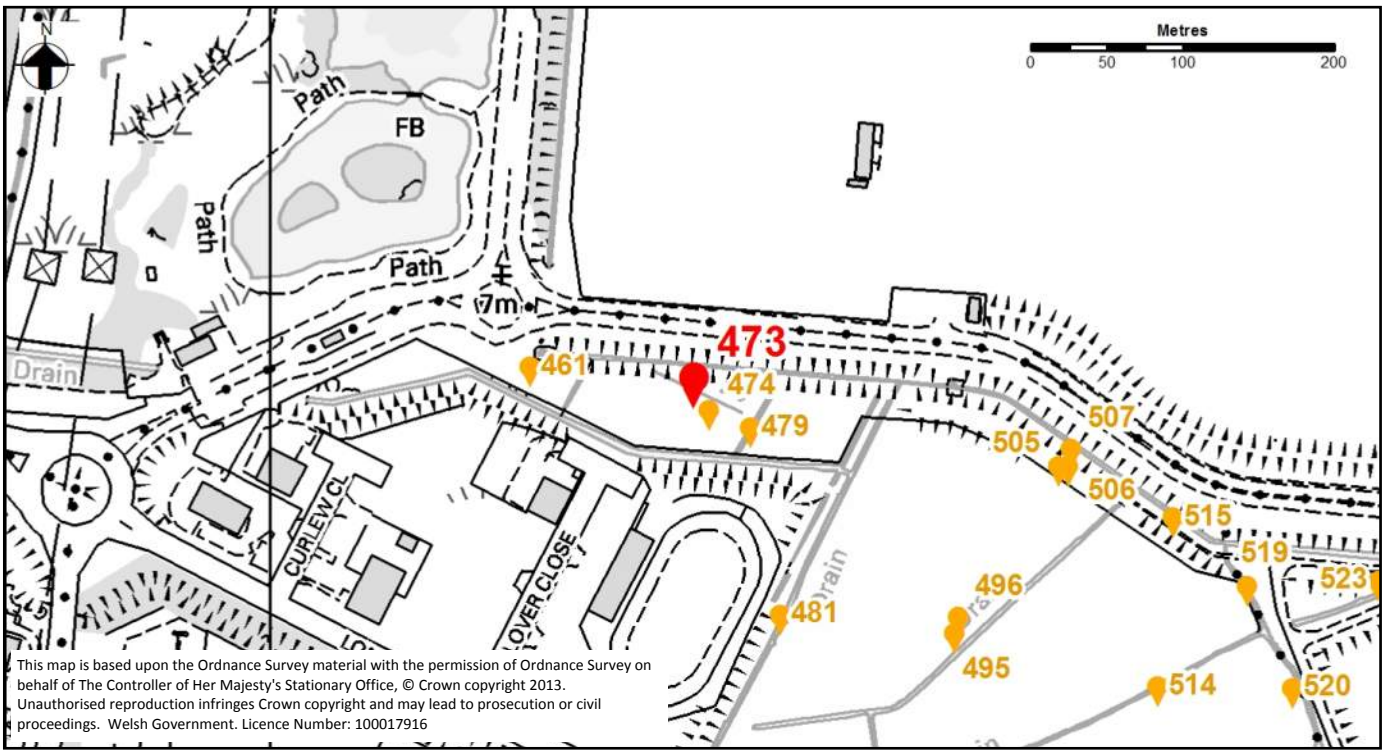

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	474	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Yorkshire fog, creeping buttercup, creeping thistle, common nettle, crested dog's tail, cock's foot. Grazed.

Potential for Protected Species:

Target Note Location Map:

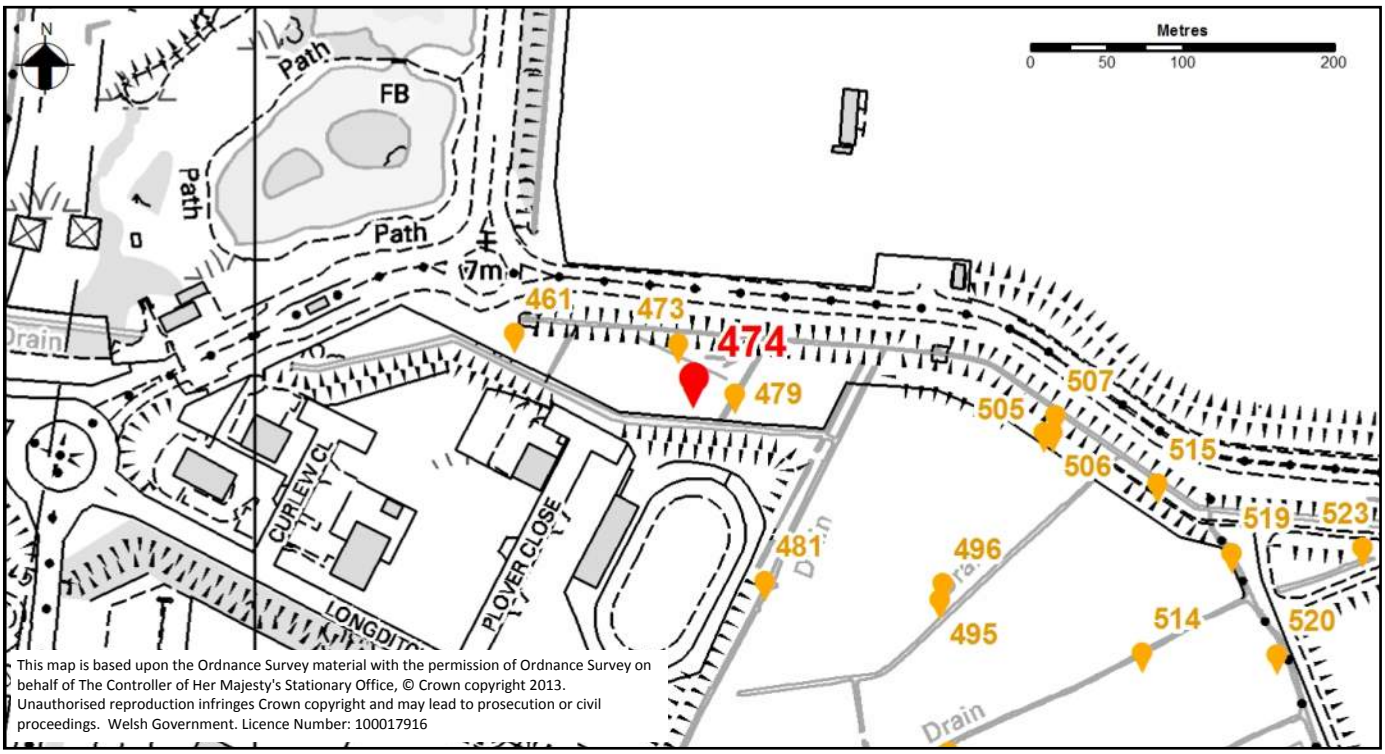

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	475	Date:		GPS:	51.57, -2.94

Dominant Habitats:

Target Note:

Juncus sp., perennial ryegrass, nettle, spear thistle, crested dog's tail, meadow grass sp., cock's foot.

Potential for Protected Species:

Target Note Location Map:

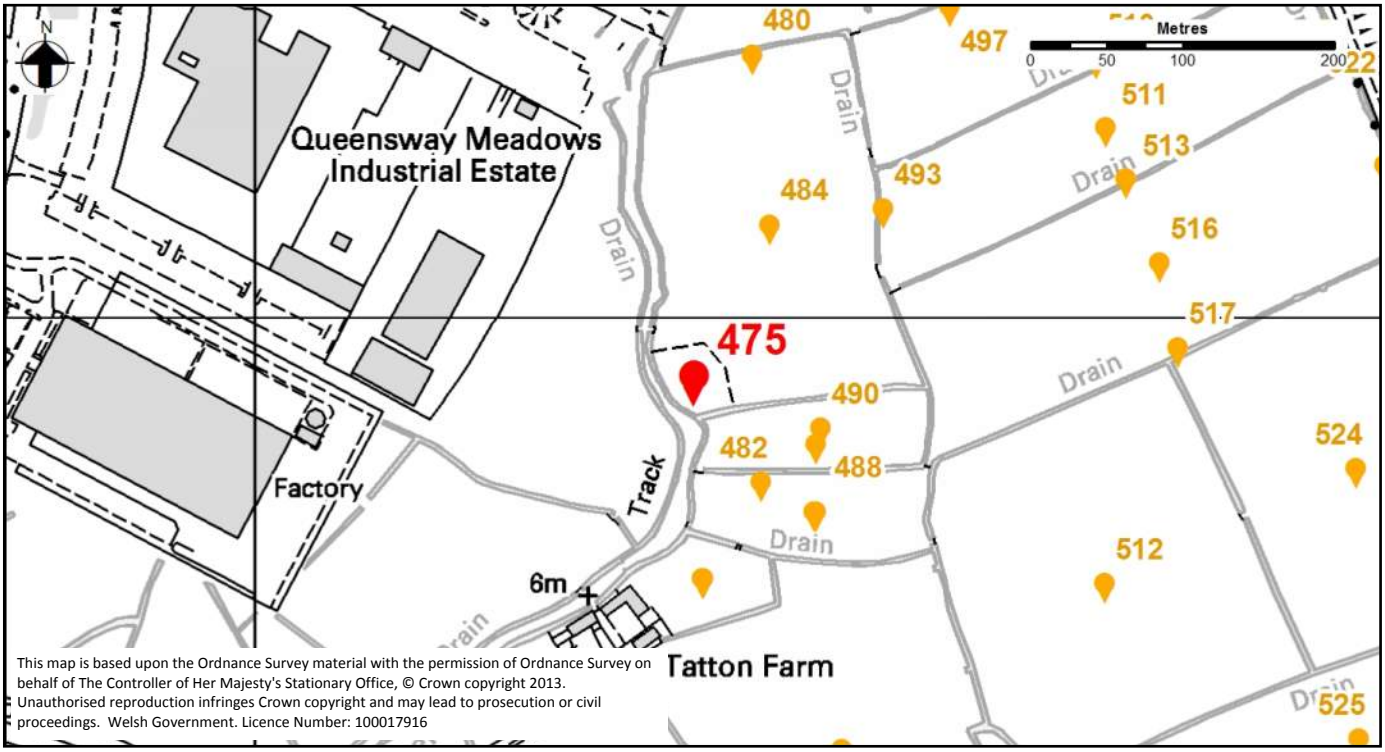

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	476	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Juncus <25% (sparse), creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail

Potential for Protected Species:

Target Note Location Map:

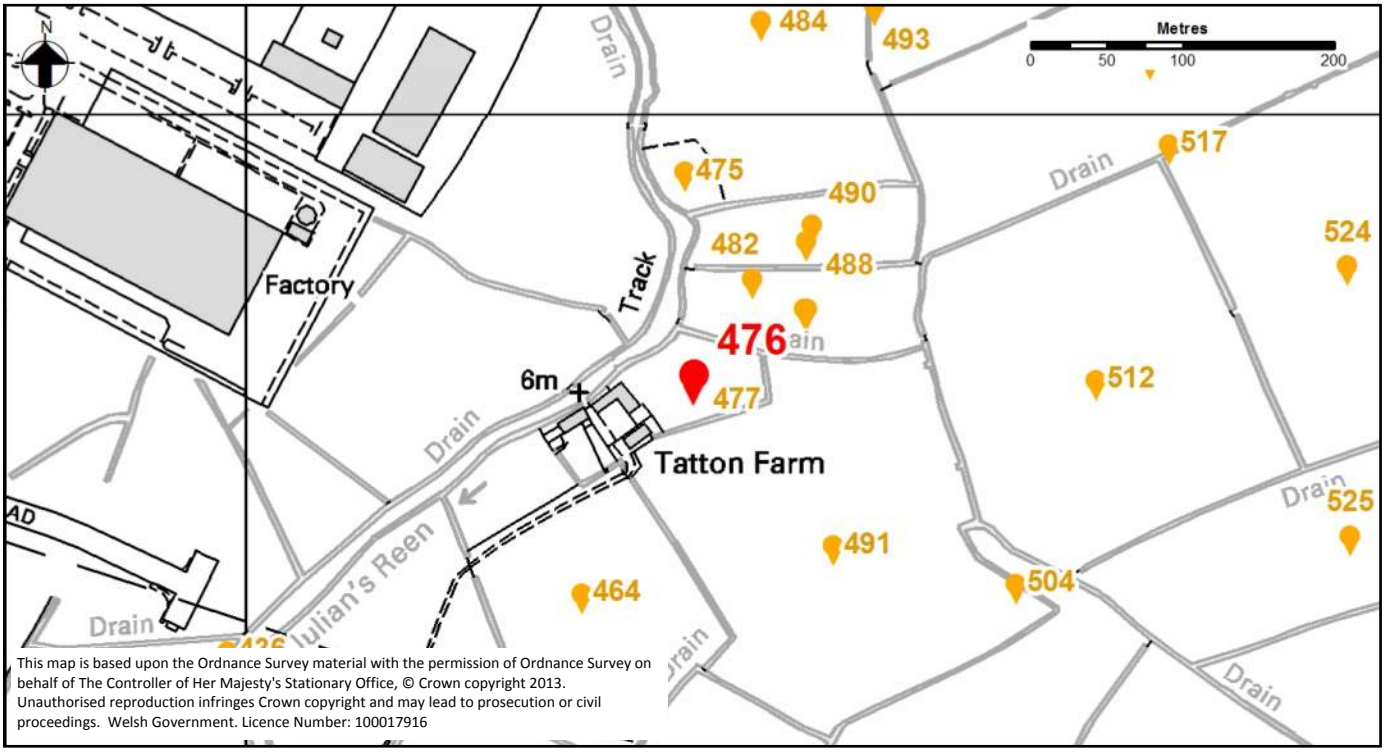

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	477	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Juncus <25% (sparse), creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail

Potential for Protected Species:

Target Note Location Map:

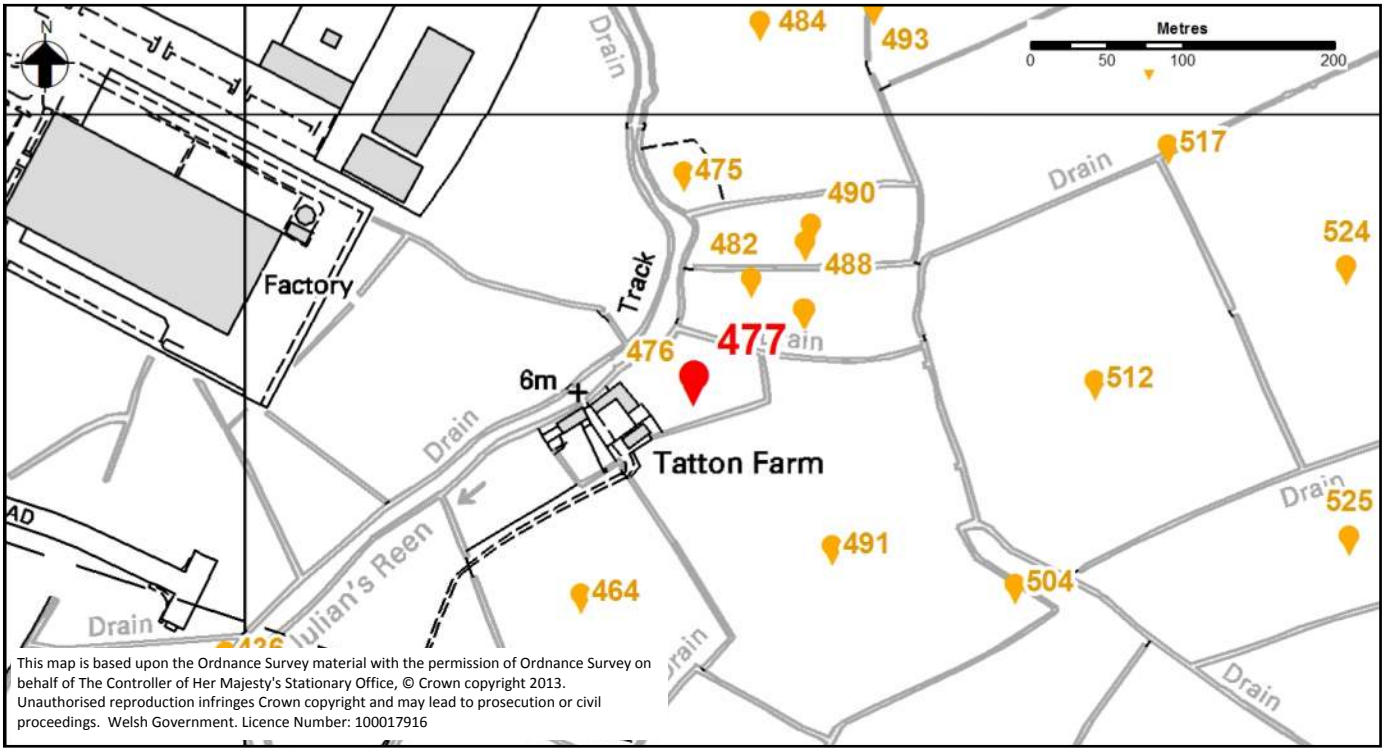

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	478	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

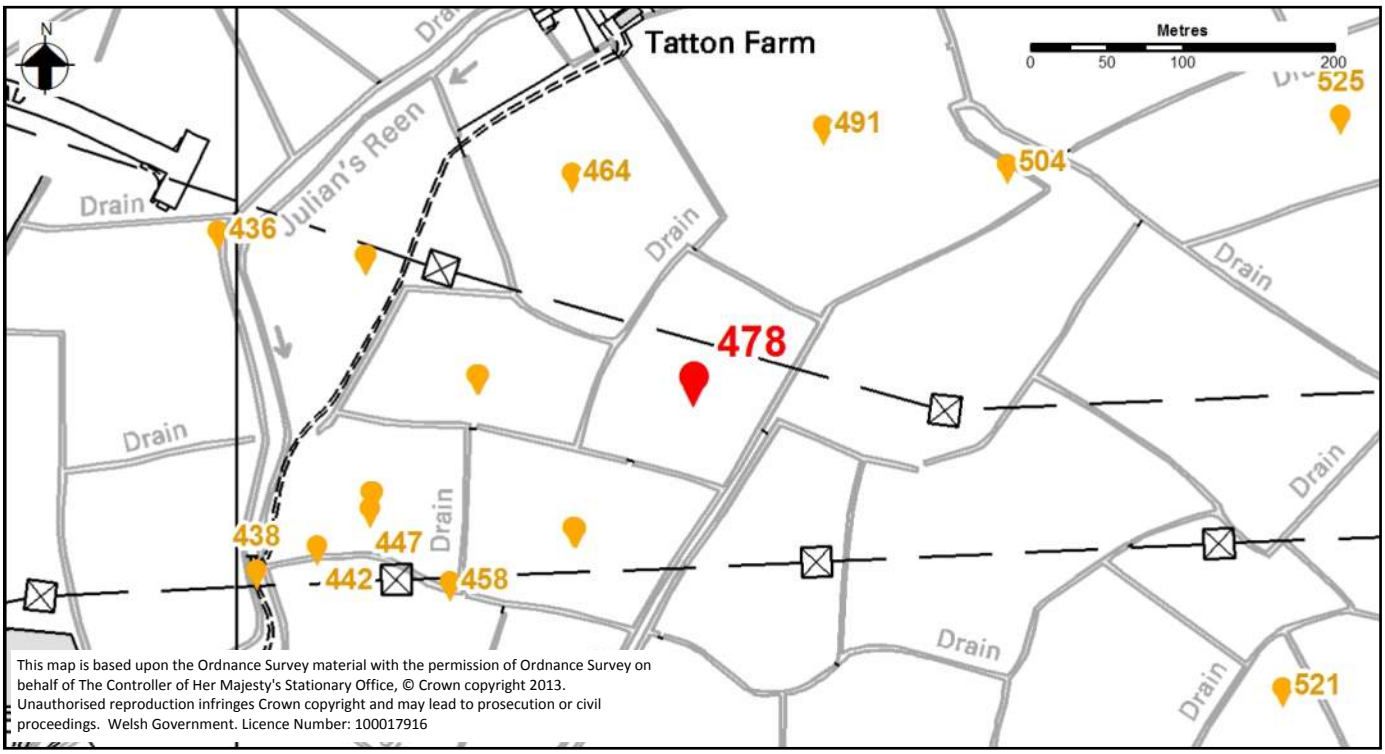

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	479	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Phragmites, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

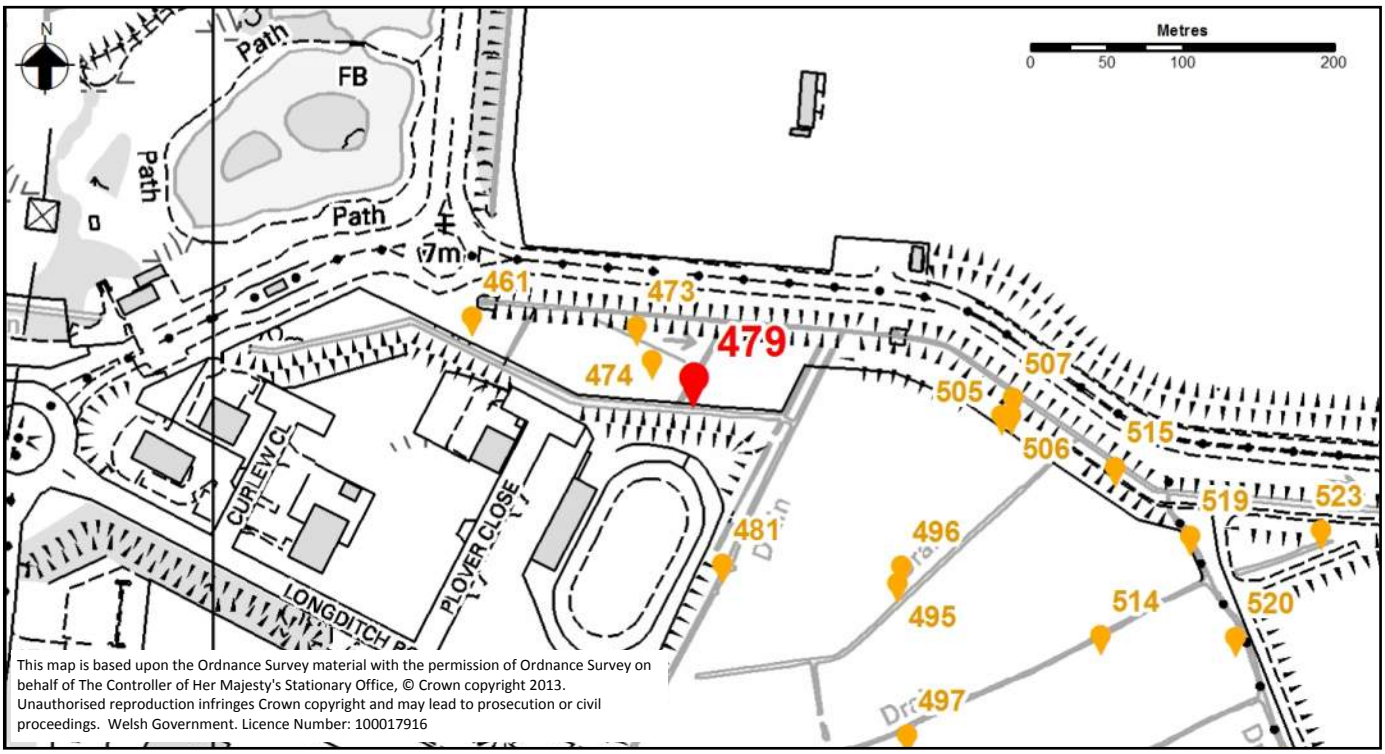

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	480	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Hawthorn, yellow flag iris, water mint, water parsnip.
Fox scat.

Potential for Protected Species:

Target Note Location Map:

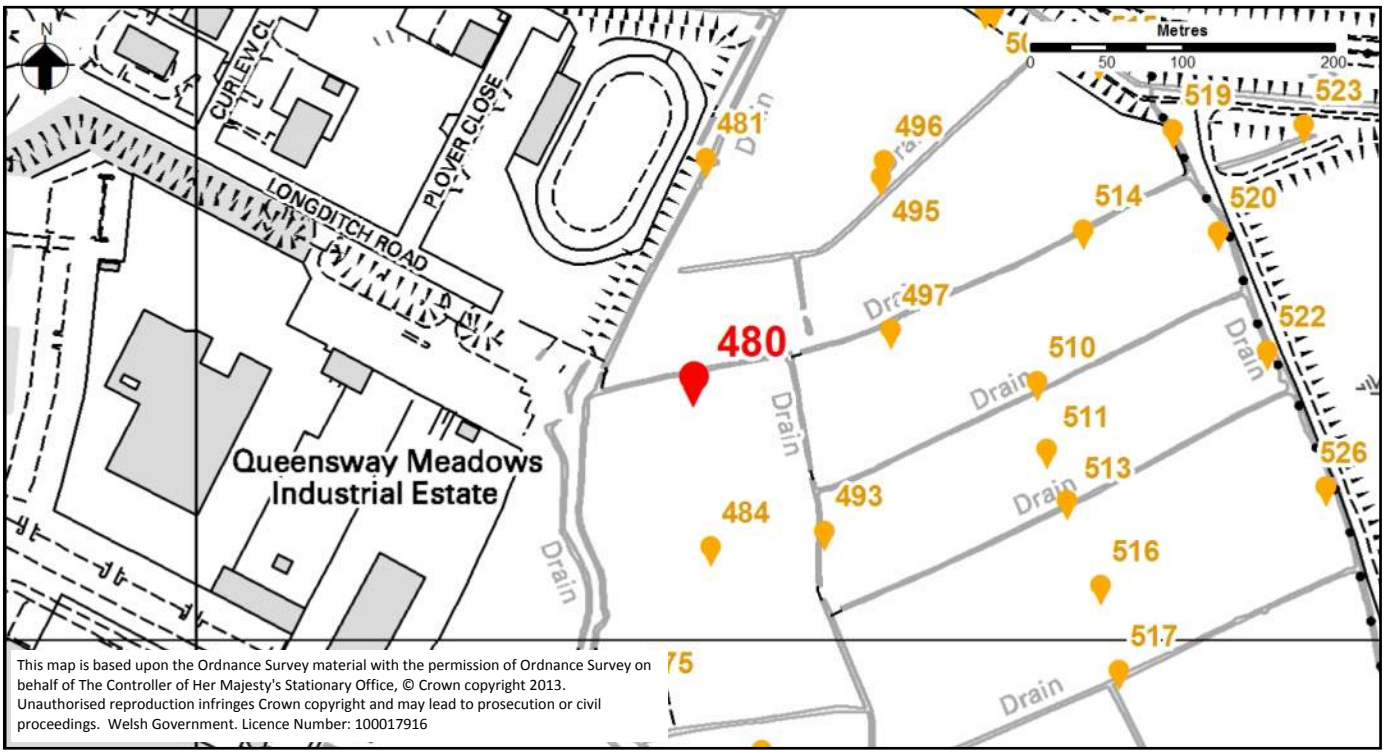

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	481	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Bramble, Phragmites, cock's foot, nettle, Juncus sp., great willowherb, willow, bulrush, hedge bindweed

Potential for Protected Species:

Target Note Location Map:

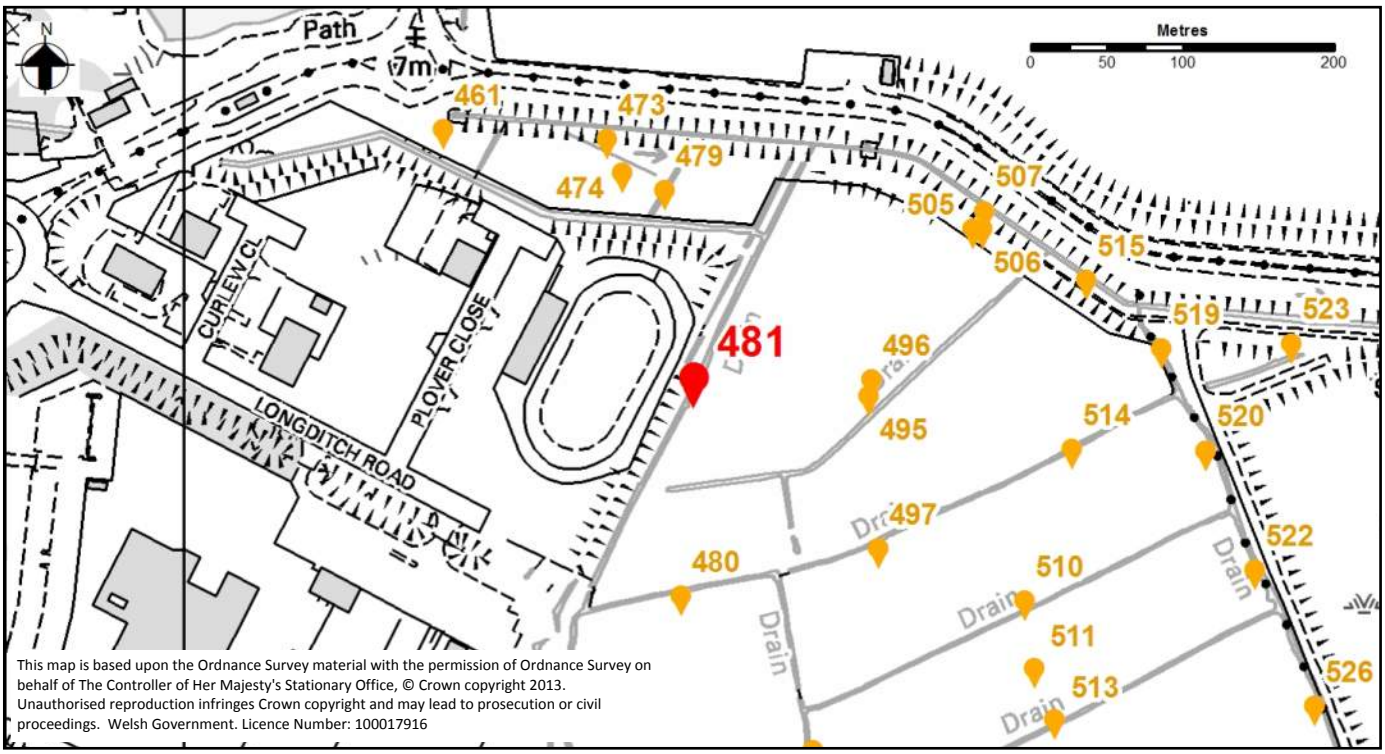

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	482	Date:	17-09-2014	GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Mature oak with bat potential

Potential for Protected Species:

Bat

Target Note Location Map:

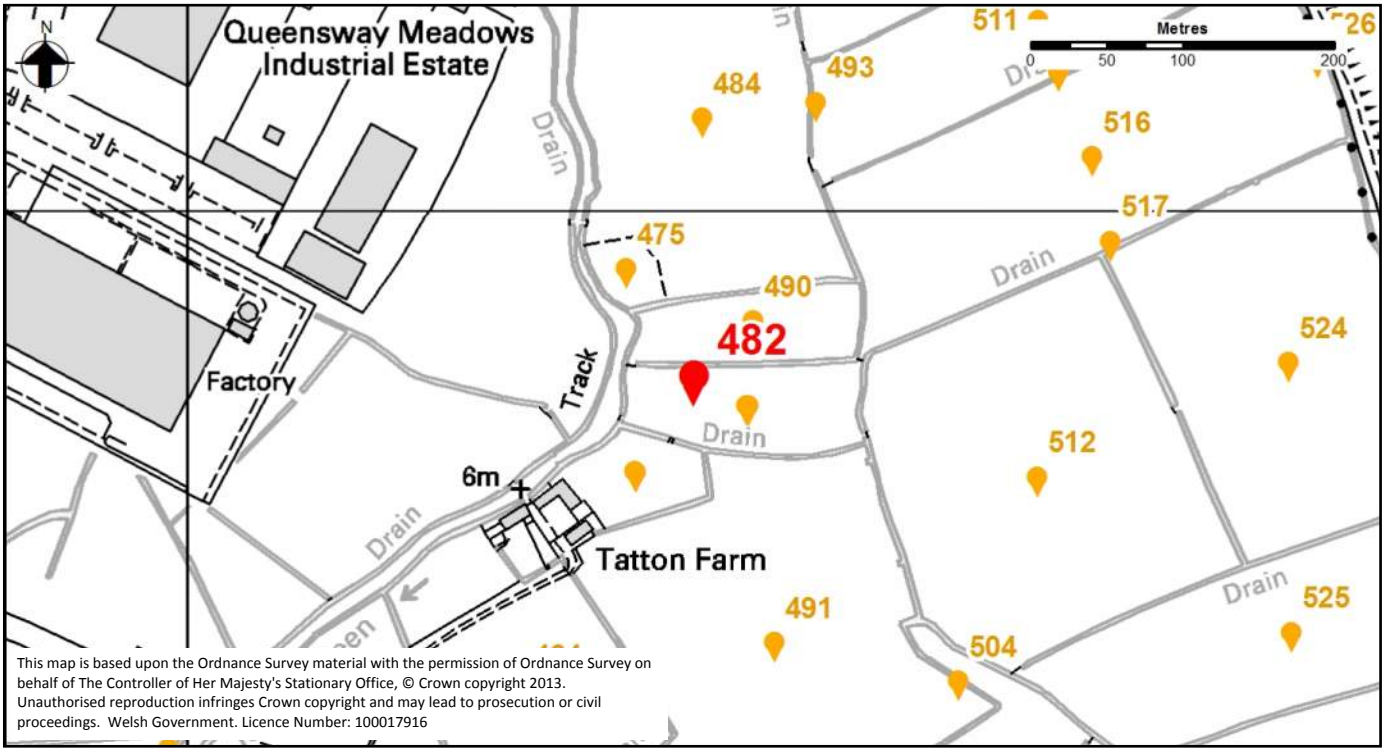

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	483	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Juncus, hedge bindweed, perennial rye grass, bulrush

Potential for Protected Species:

Target Note Location Map:

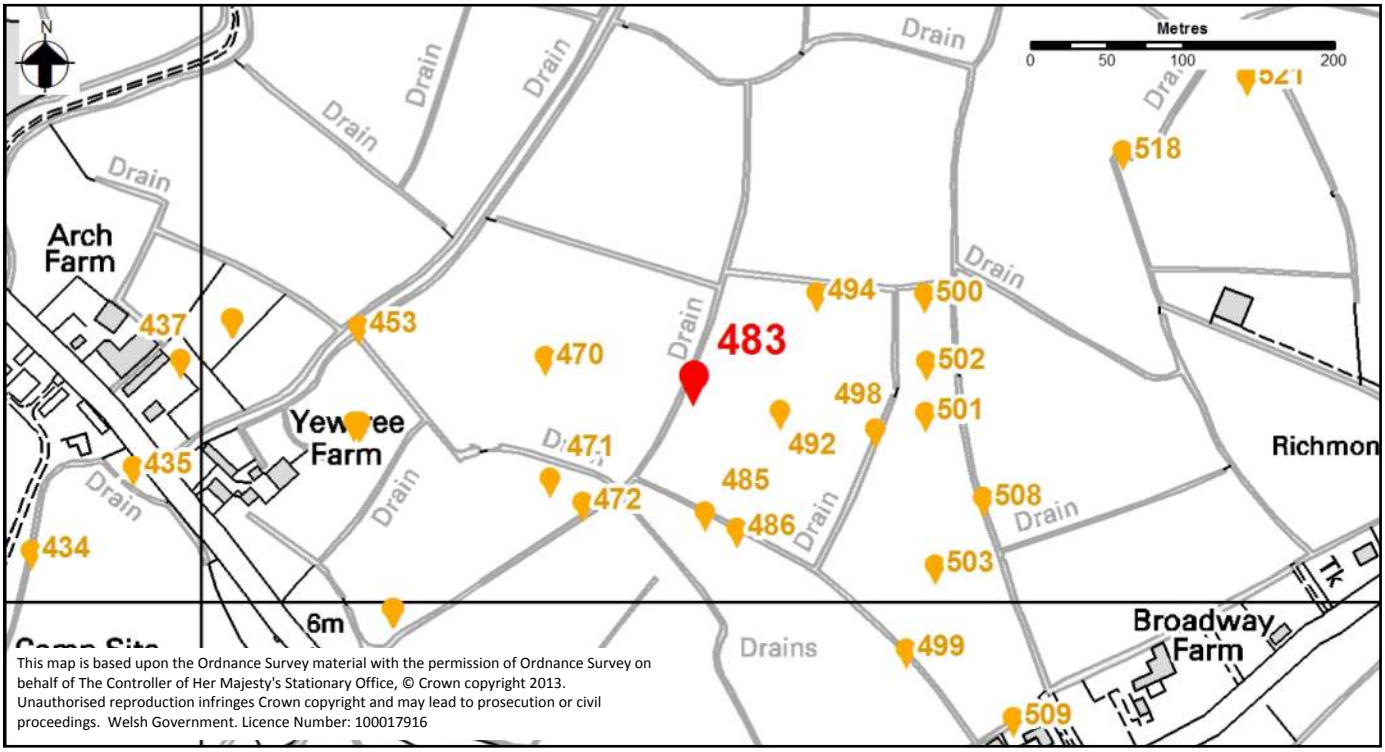

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	484	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Meadow foxtail, crested dogstail, perennial rye grass, annual meadowgrass, meadow buttercup. Cattle grazed

Potential for Protected Species:

Target Note Location Map:

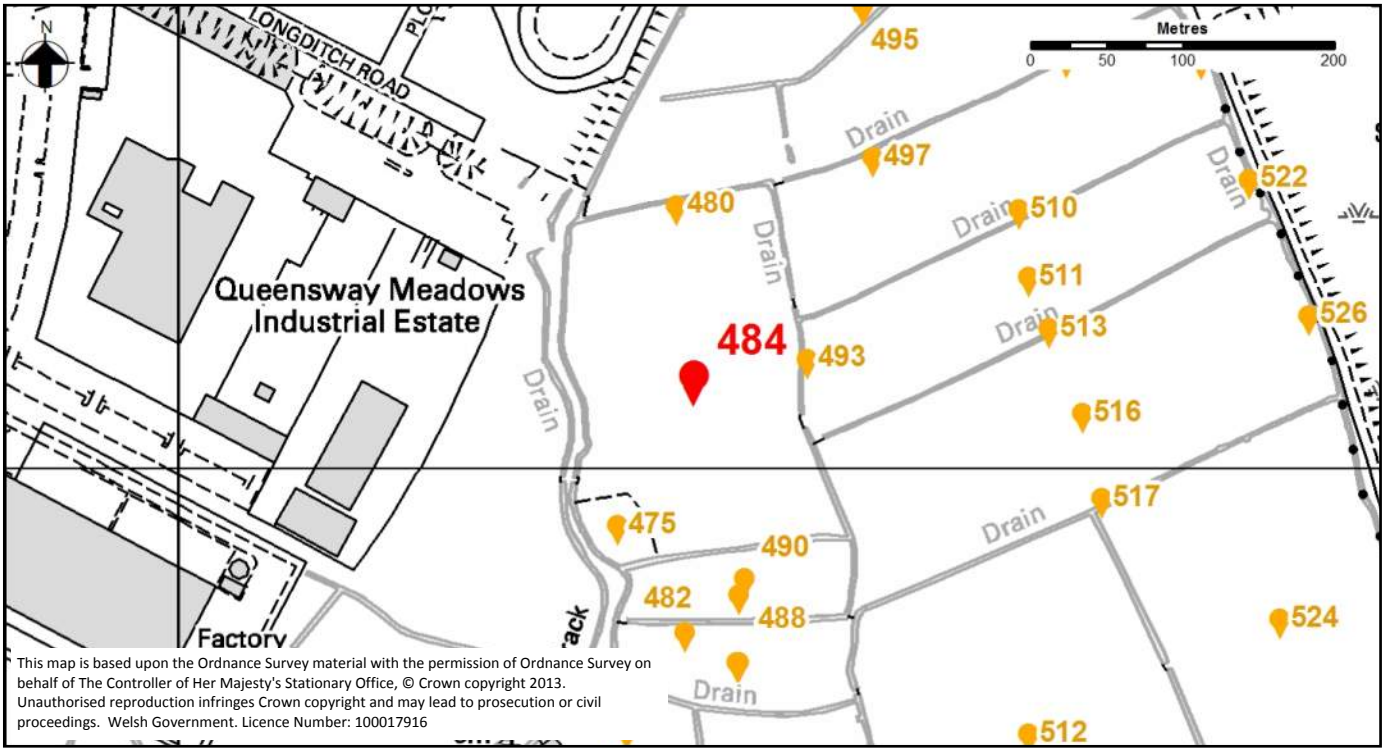

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	485	Date:	22-08-2014 16:13	GPS:	51.56, -2.93

Dominant Habitats:

Hedgerow

Target Note:

Bat potential roost features in oak

Potential for Protected Species:

Bats

Target Note Location Map:

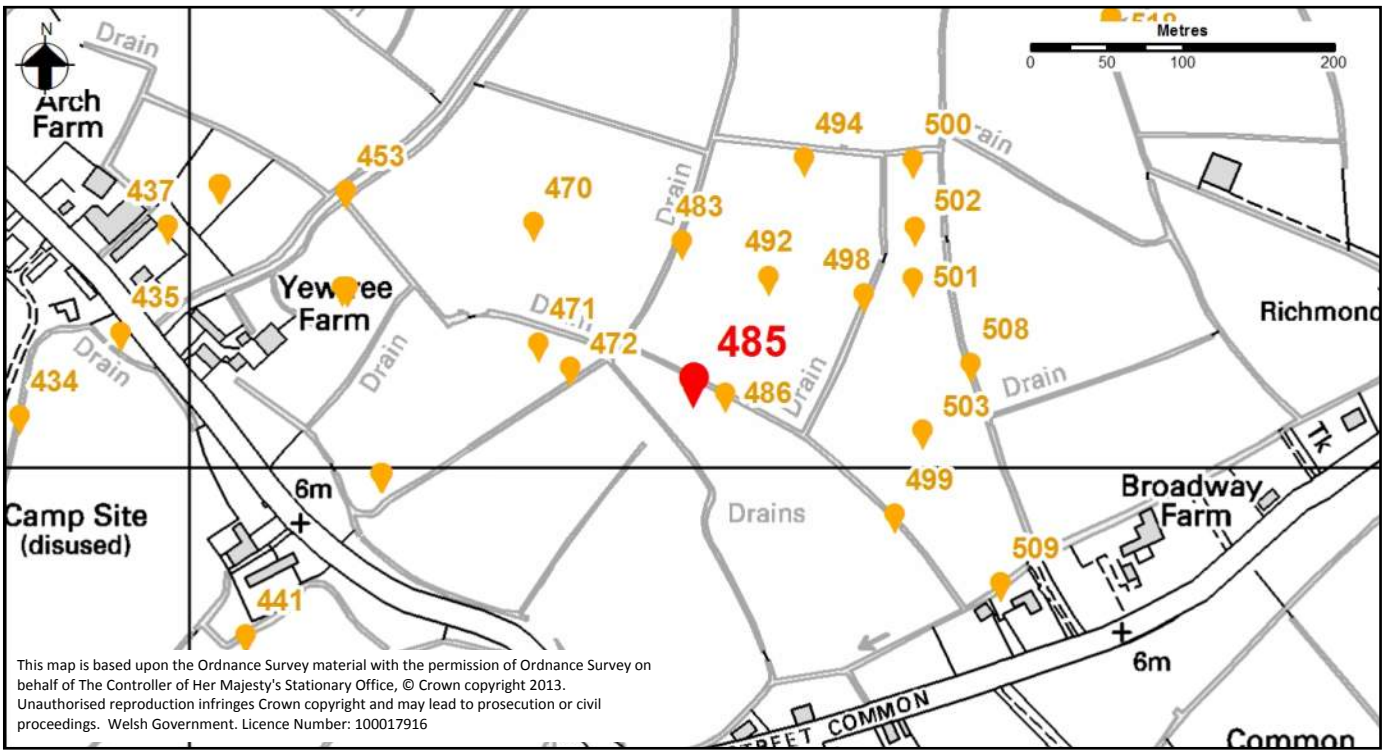

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	486	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Common nettle, lords and ladies, bramble, common reed, dogwood, hogweed, dock, thistle, rosehip, sedge, willow

Potential for Protected Species:

Target Note Location Map:

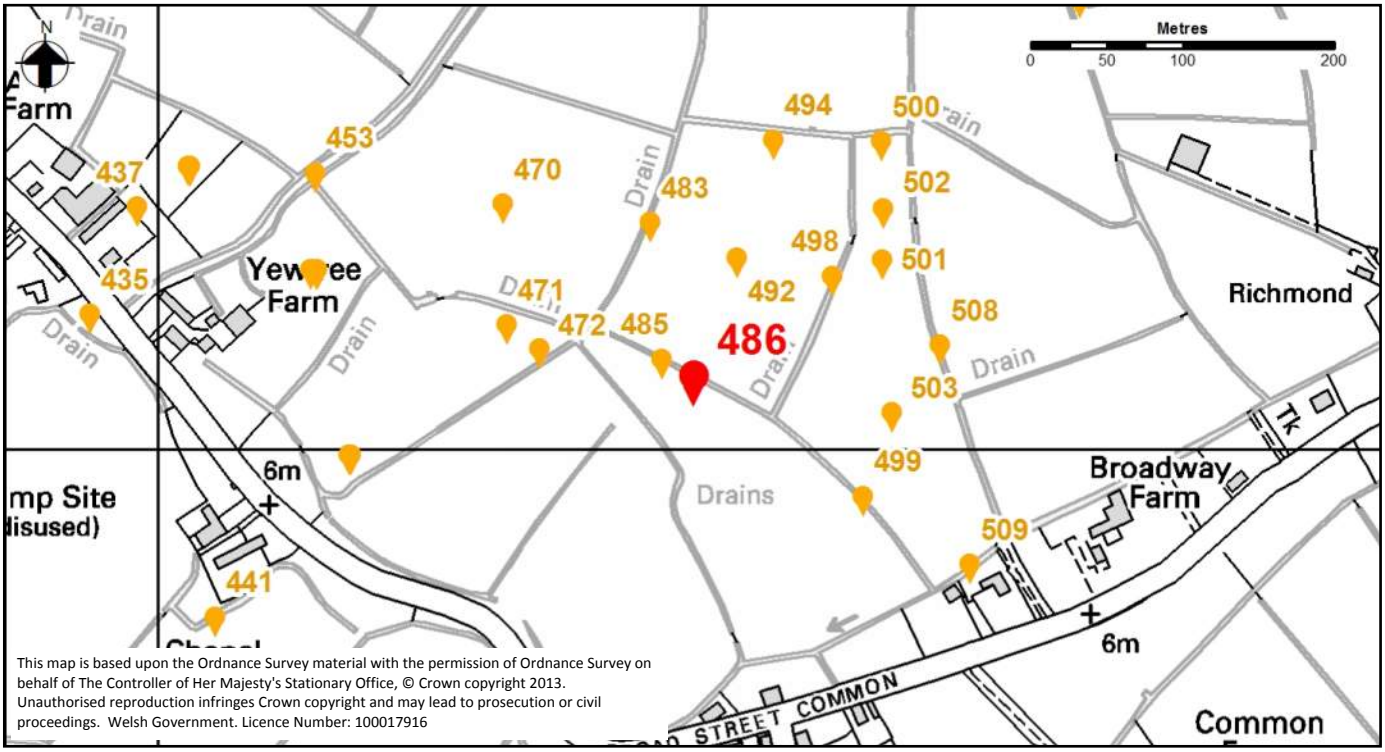

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	487	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus <25% (sparse), creeping thistle, common nettle, dandelion sp., perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

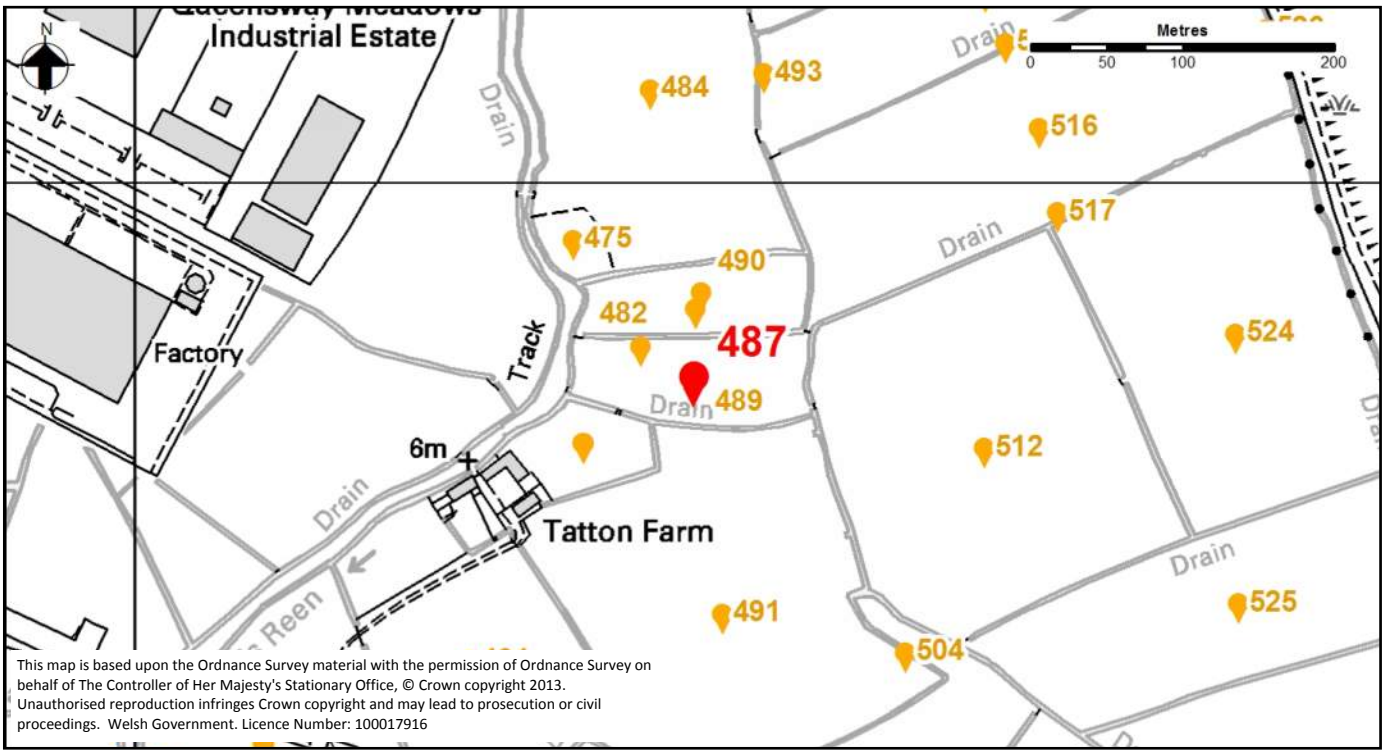

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	488	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, Carex sp., marsh thistle, spear thistle, creeping thistle, pineapple mayweed

Potential for Protected Species:

Target Note Location Map:

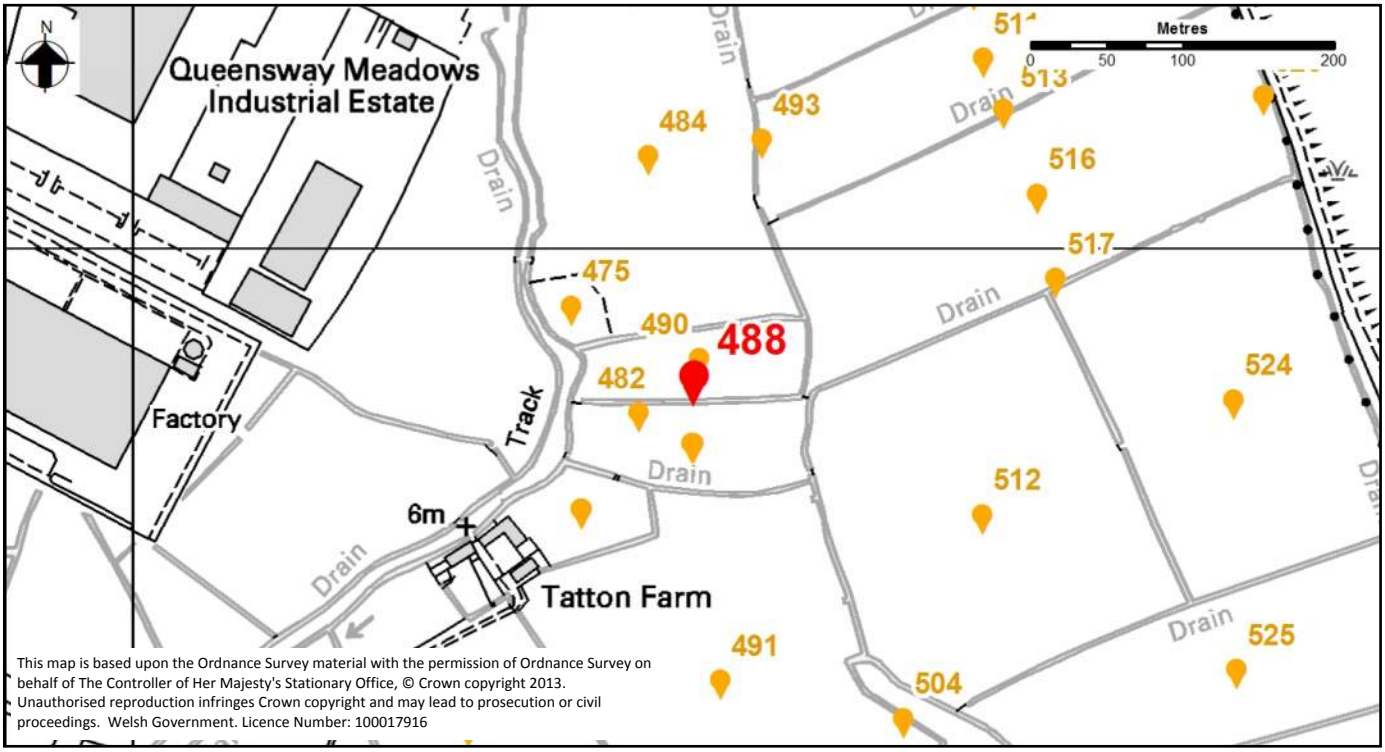

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	489	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus <25% (sparce), creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

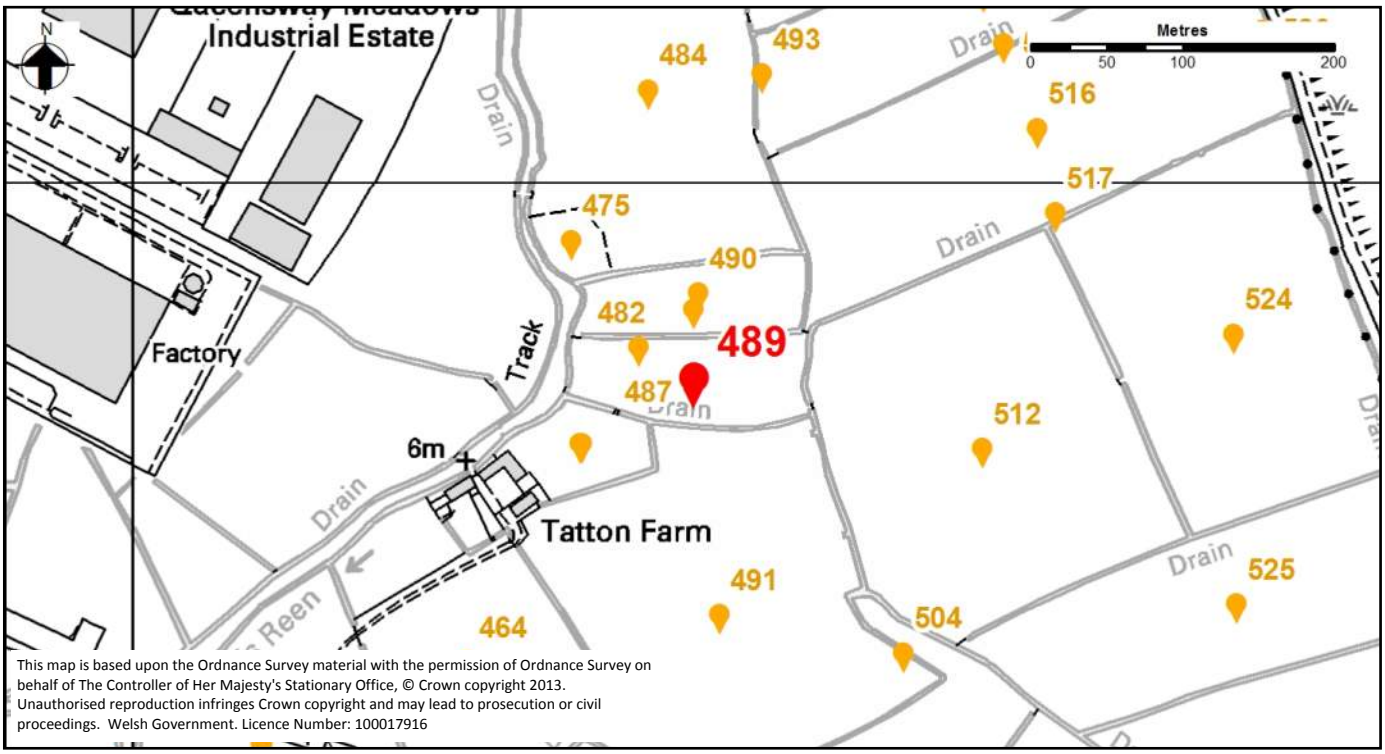

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	490	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus <25%, Carex sp., marsh thistle, spear thistle, creeping thistle, pineapple mayweed, common nettle, dendelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass

Potential for Protected Species:

Target Note Location Map:

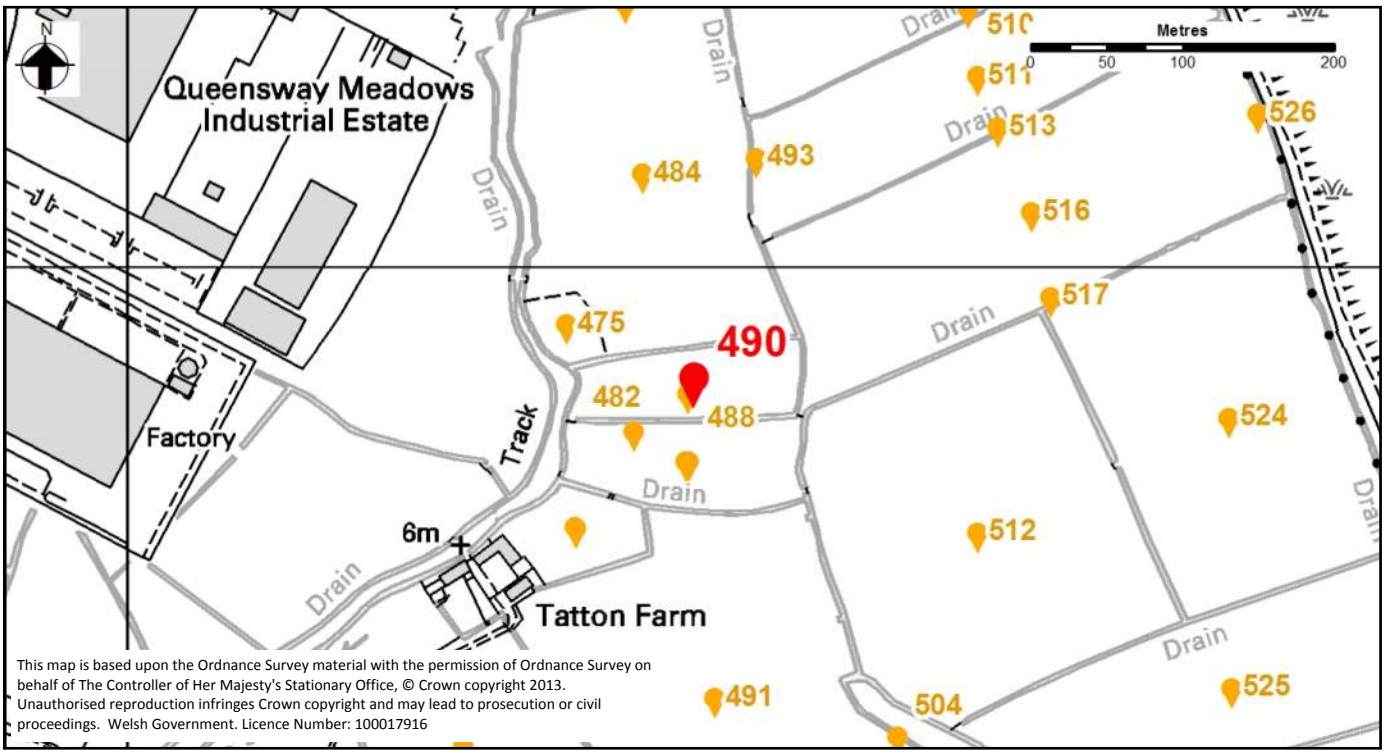

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	491	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, meadow buttercup, Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel

Potential for Protected Species:

Target Note Location Map:

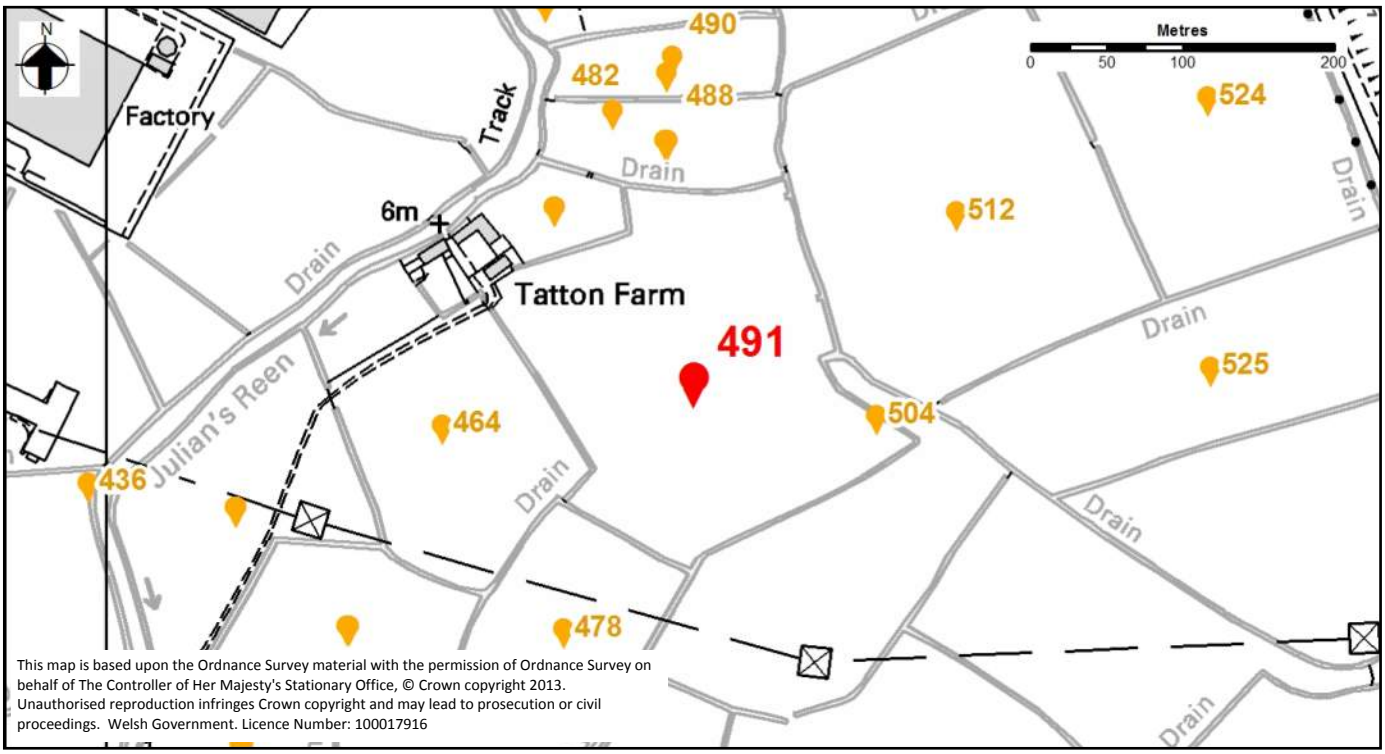

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	492	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Meadow foxtail, great willowherb, daisy, red clover, thistle sp., crested dog's tail, dandelion

Potential for Protected Species:

Target Note Location Map:

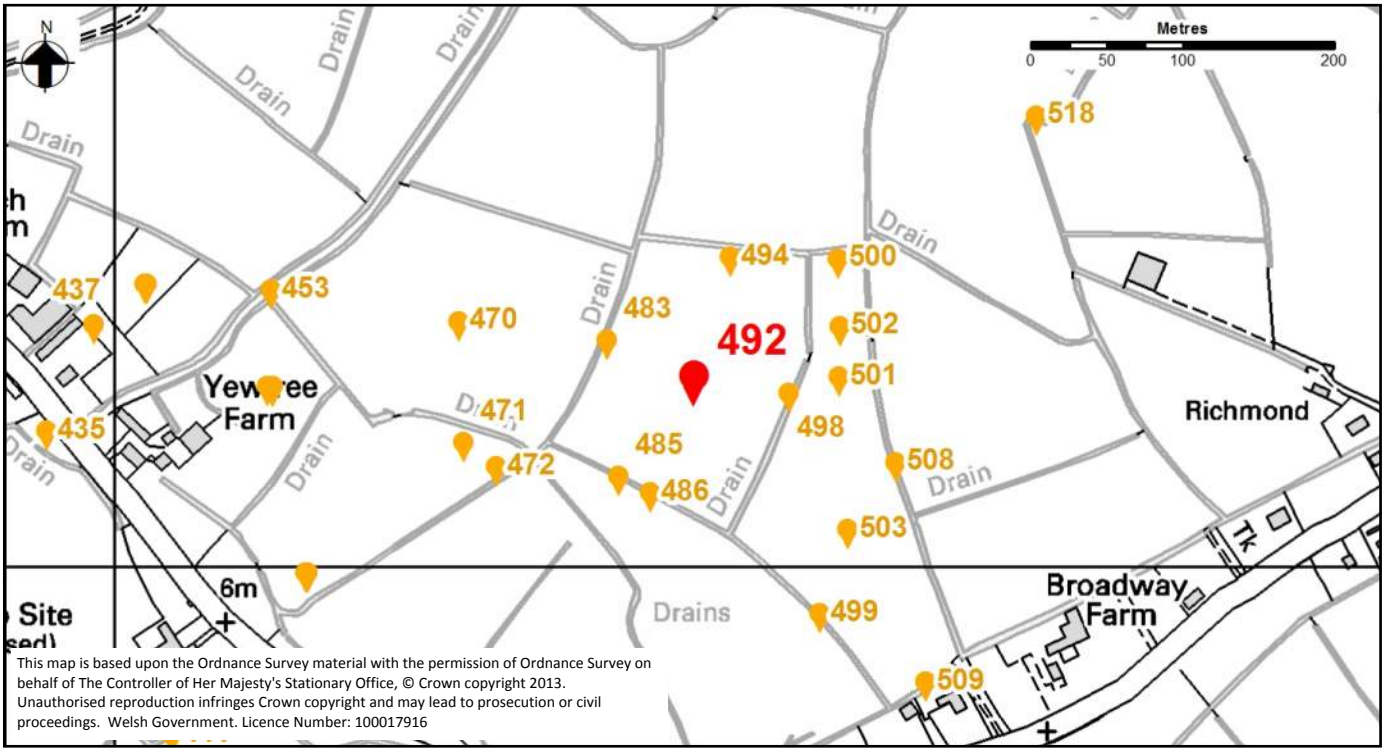

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	493	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Reed sweet grass, Juncus sp., common reed, watermint, water parsnip

Potential for Protected Species:

Target Note Location Map:

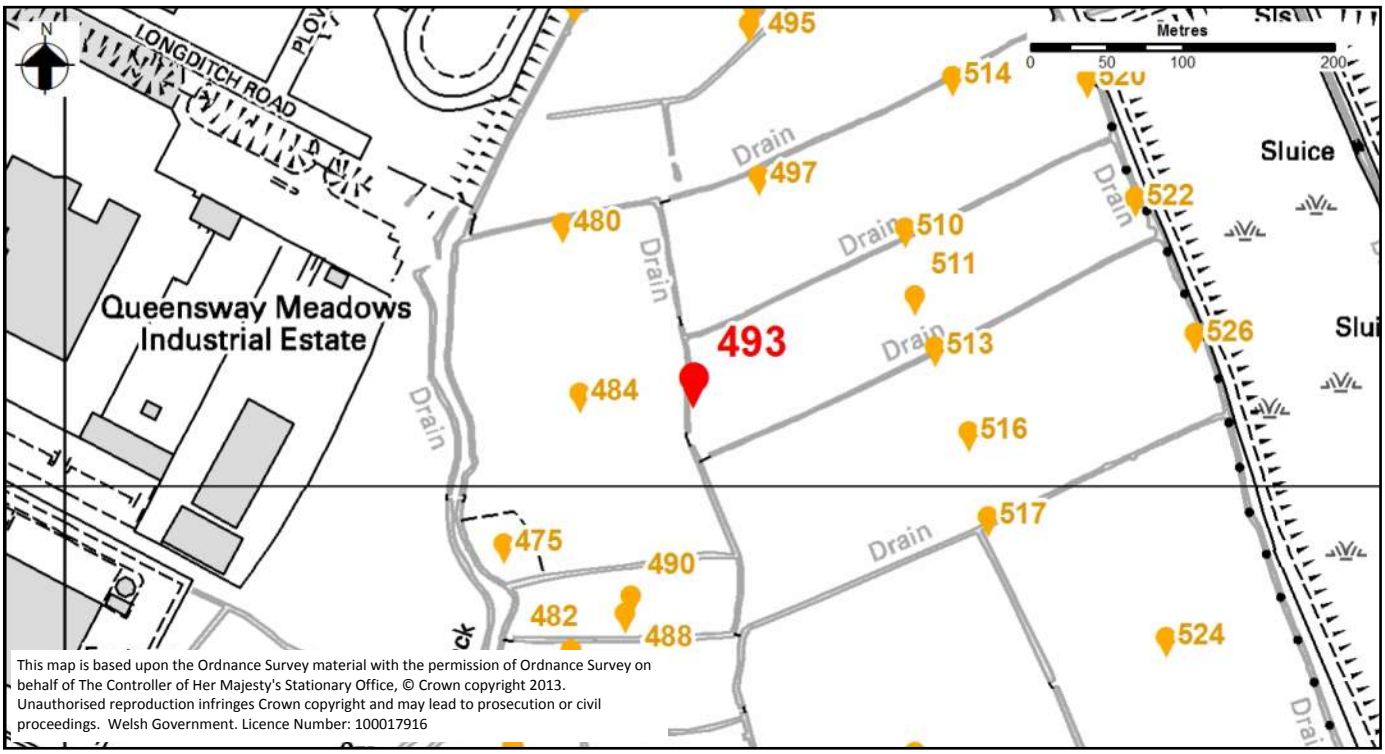

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	494	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Yellow flag, dock, hawthorn, blackthorn, willow, hogweed, bracken, sedge

Potential for Protected Species:

Target Note Location Map:

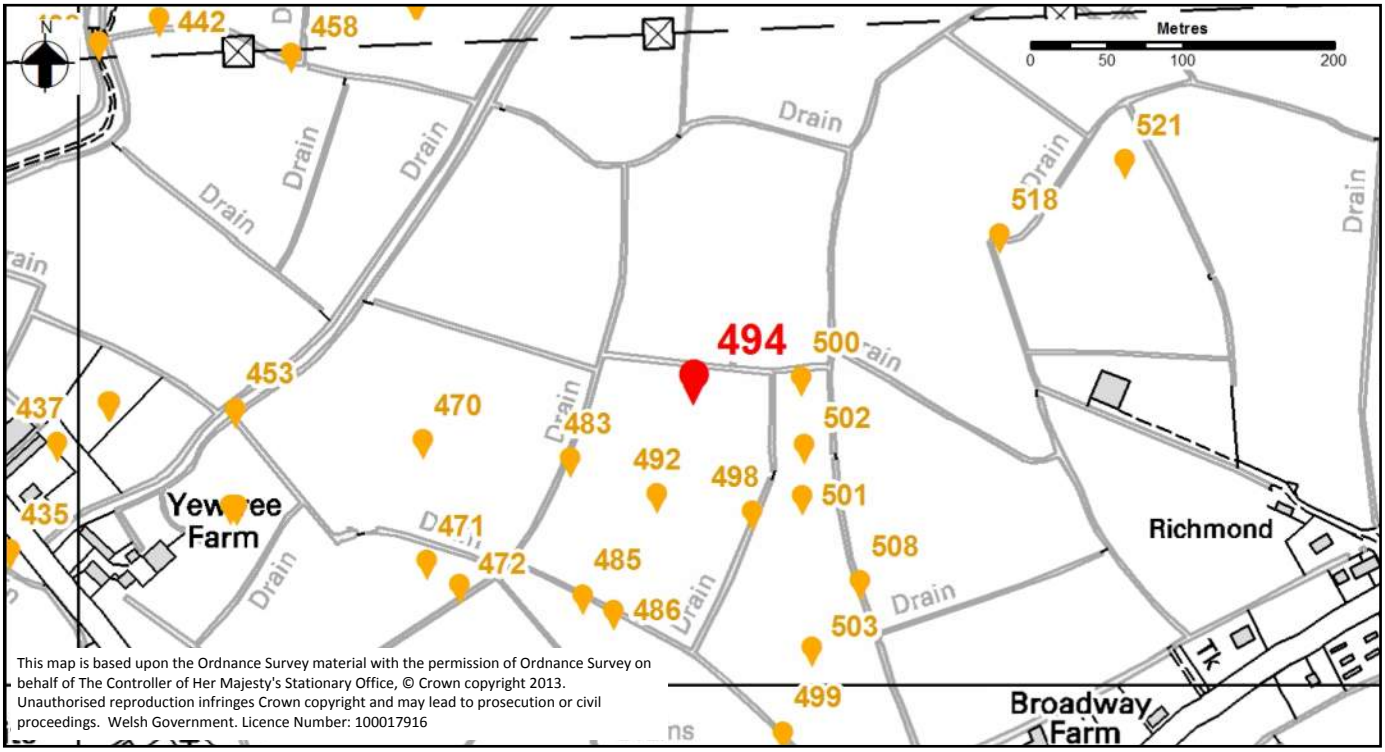

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	495	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Hawthorn, Juncus sp.
Canada geese flying

Potential for Protected Species:

Target Note Location Map:

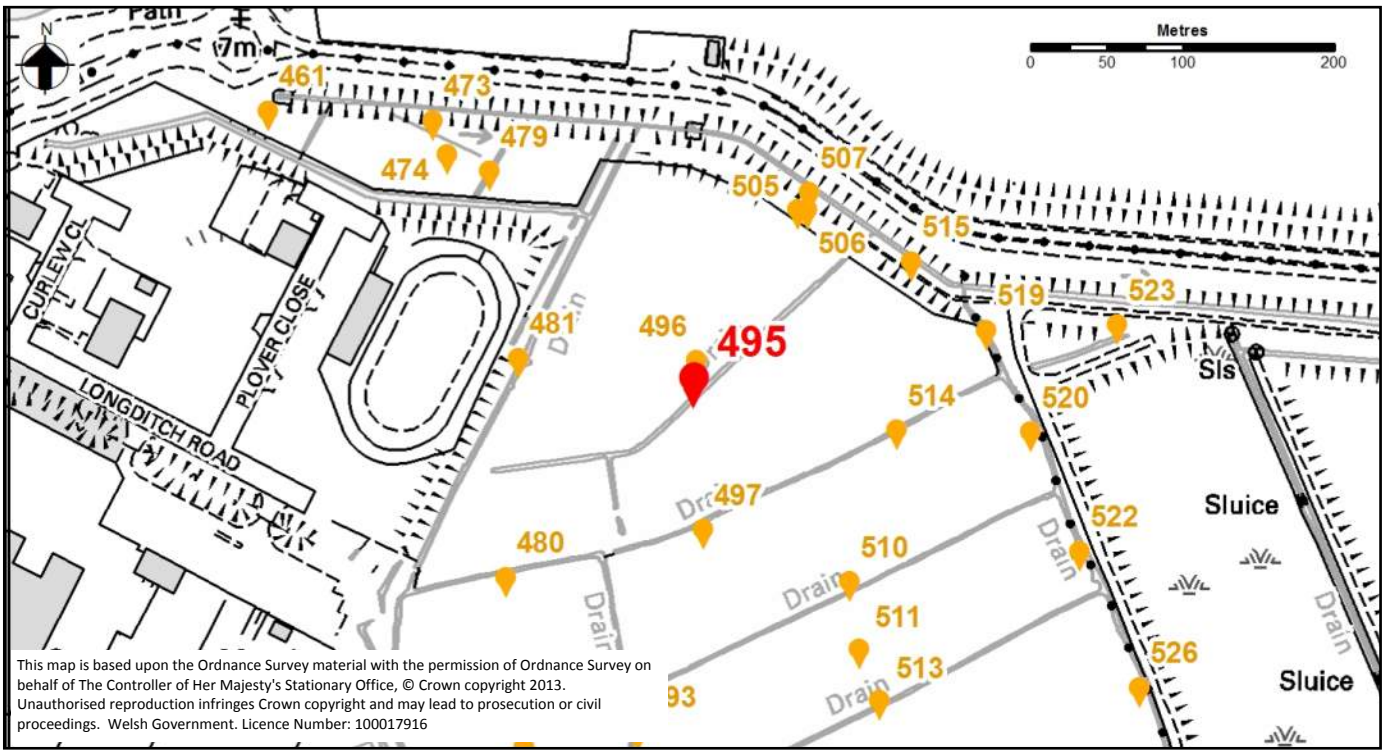

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	496	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Perennial ryegrass, annual meadow grass, Yorkshire fog, field barley, crested dog's tail, creeping thistle

Potential for Protected Species:

Target Note Location Map:

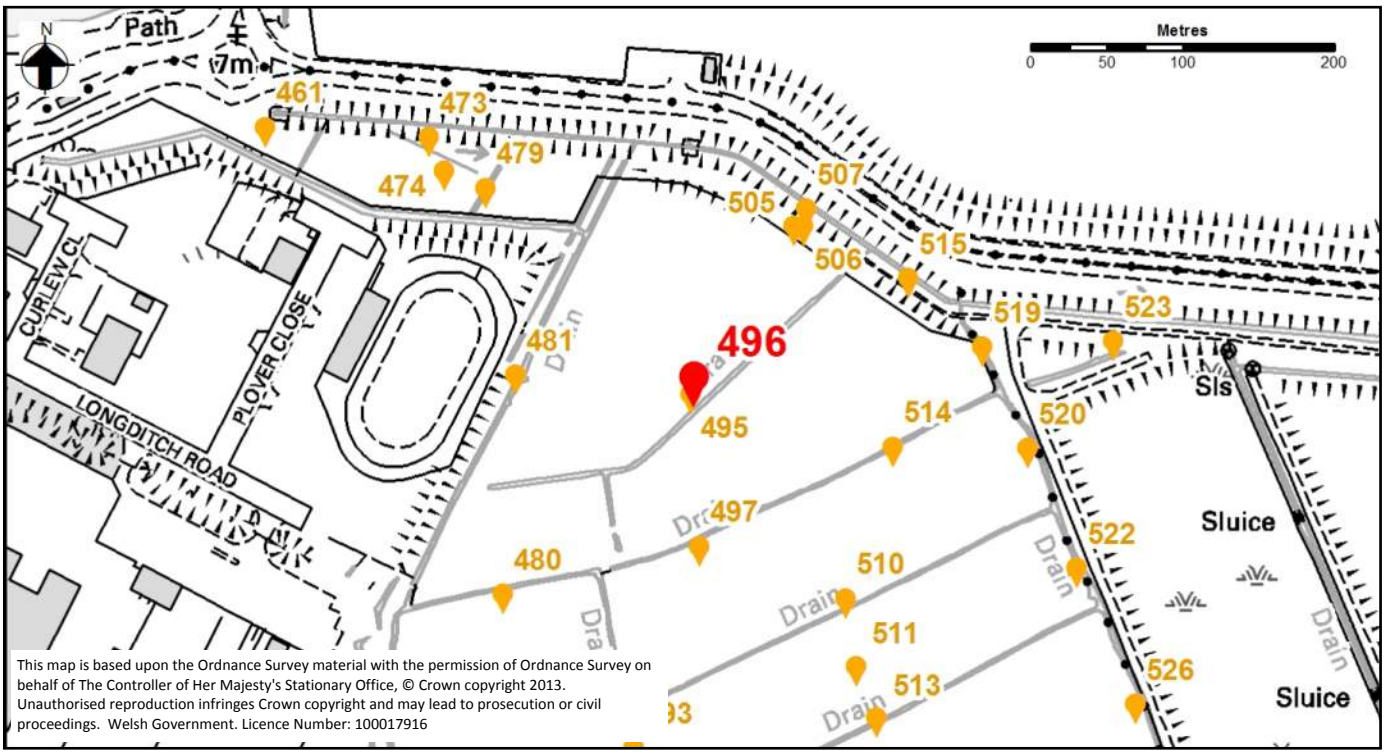

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	497	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Hawthorn, nettle, yellow flag iris, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

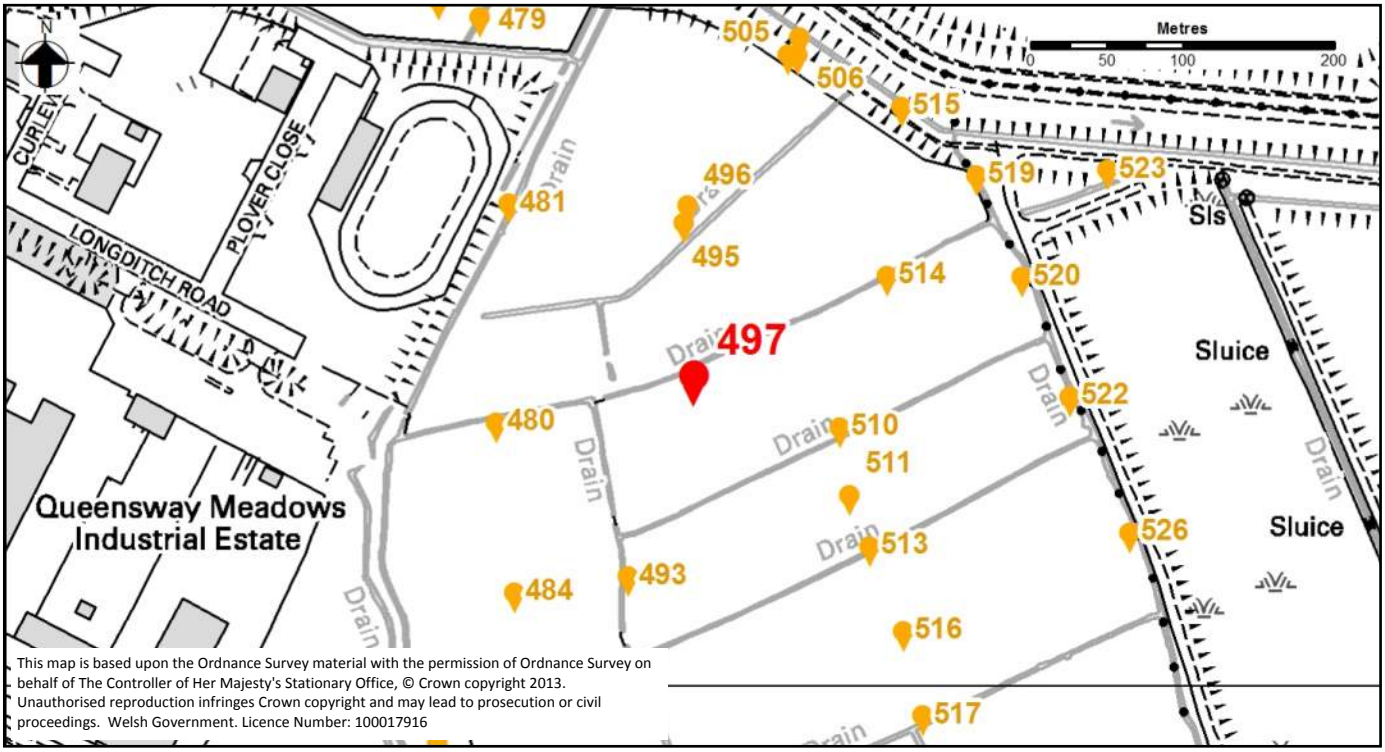

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	498	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Bramble, dock, woody nightshade, yellow flag, nettle, hawthorn, great willowherb, water parsnip

Potential for Protected Species:

Target Note Location Map:

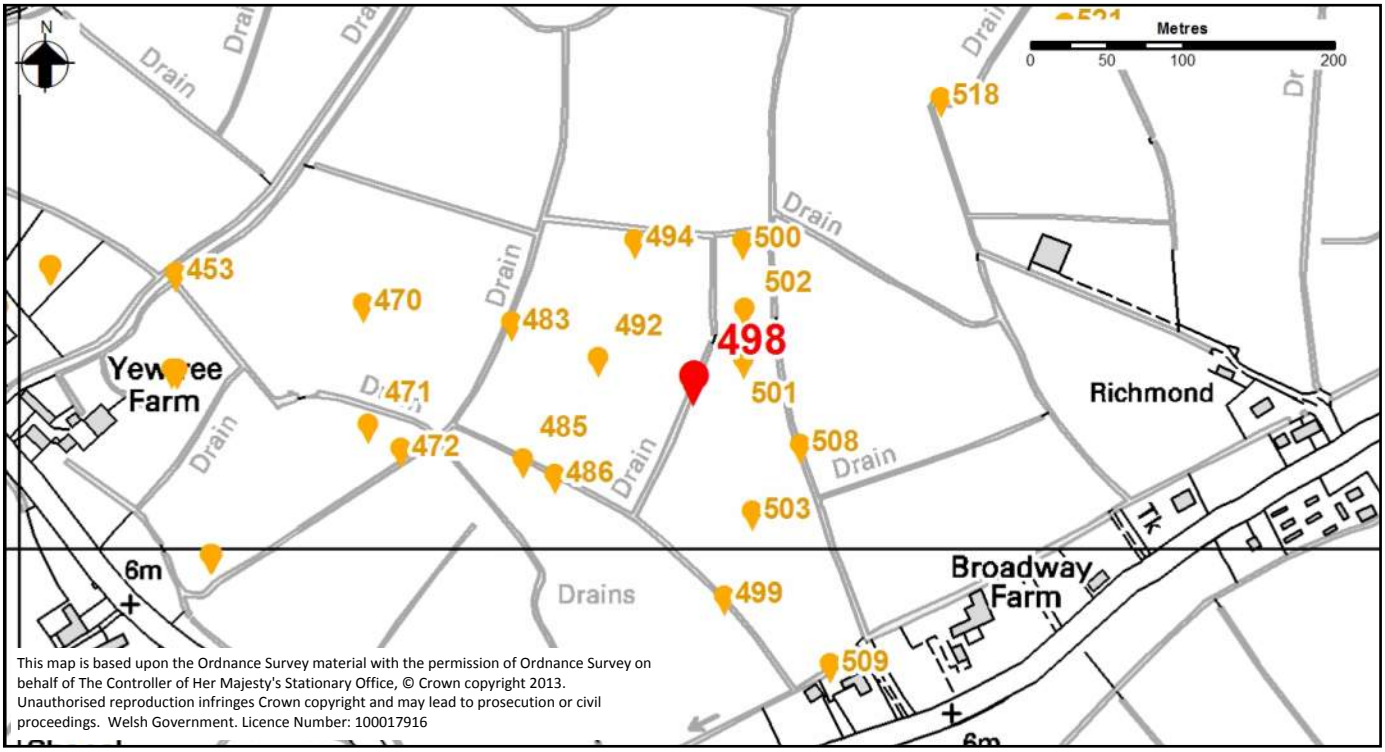

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	499	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Willow, dock, bramble, Juncus, hogweed, nettle, yellow flag, greater willowherb

Potential for Protected Species:

Target Note Location Map:

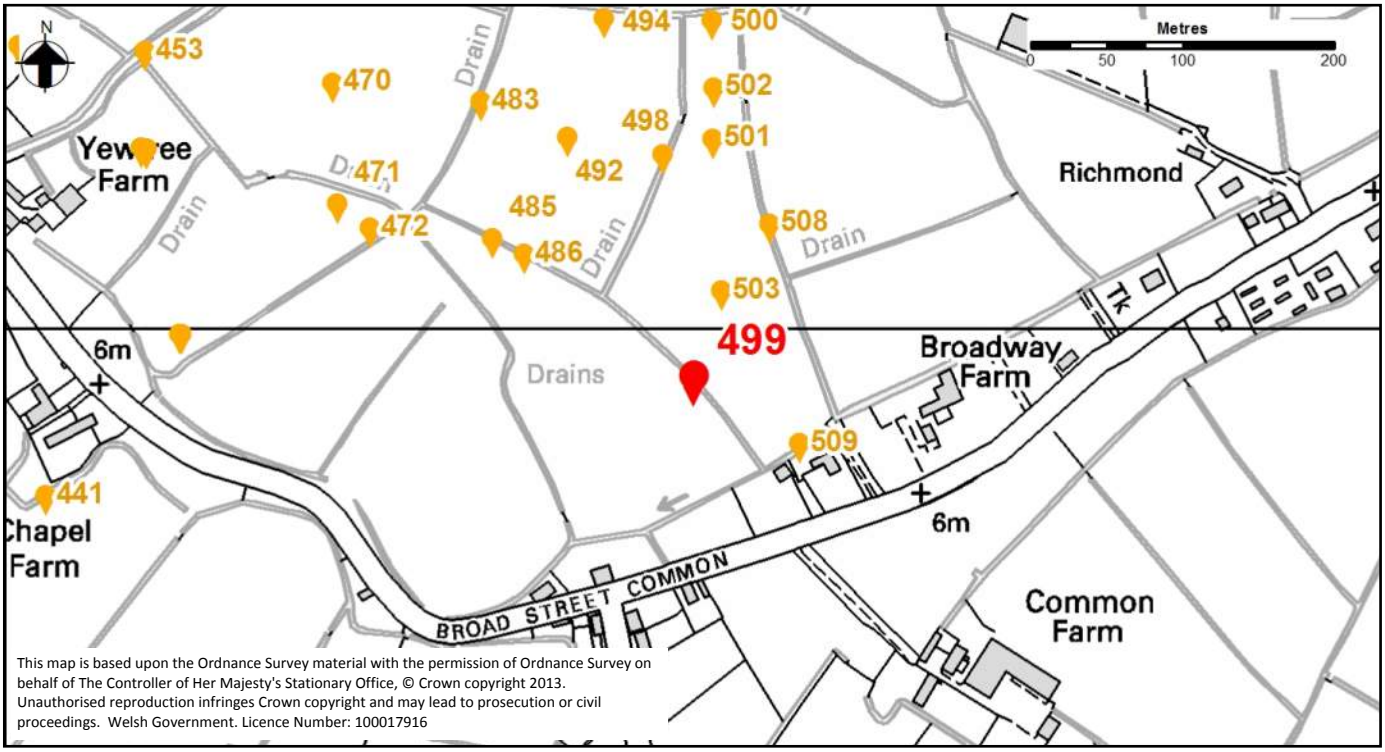

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	500	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Blackthorn, hogweed, meadow foxtail, common reed, bramble, willow, buttercup, rosehip, great willowherb

Potential for Protected Species:

Target Note Location Map:

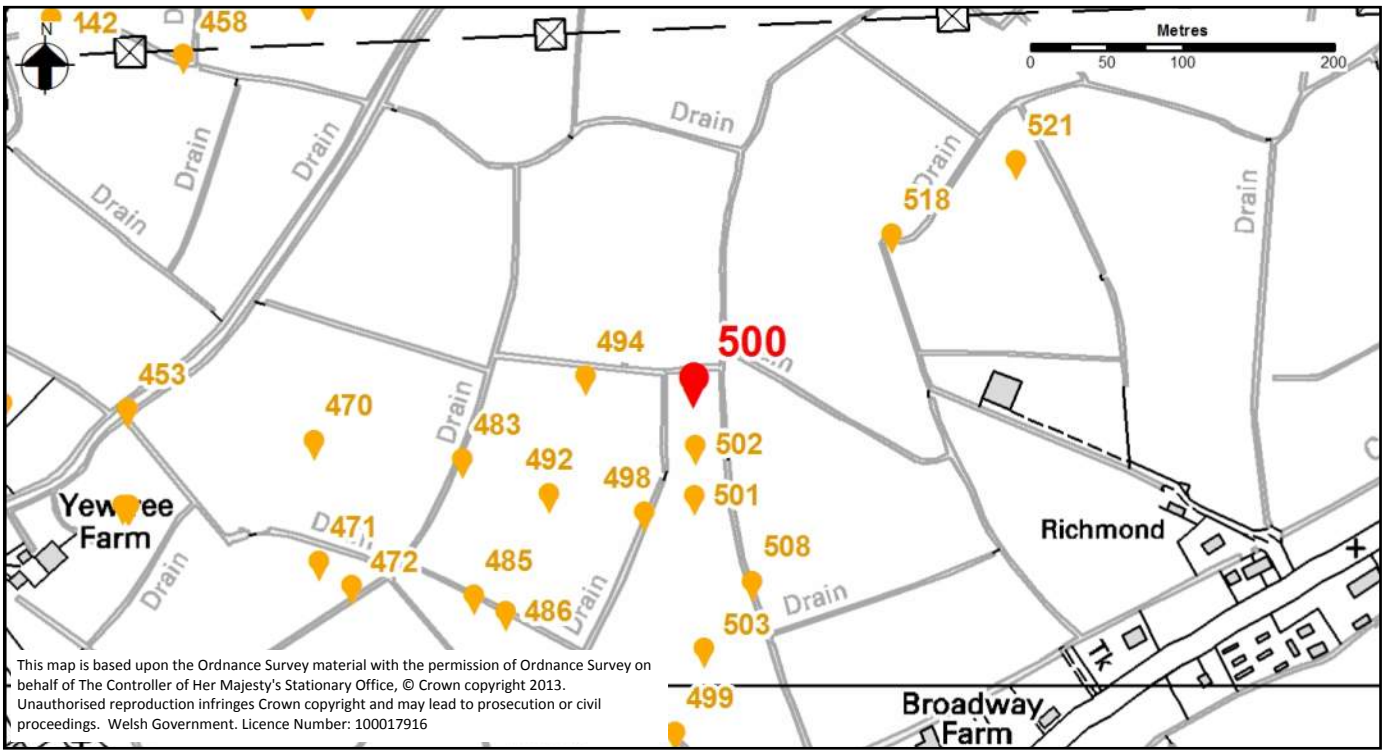

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	501	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Juncus, purple moor grass

Potential for Protected Species:

Target Note Location Map:

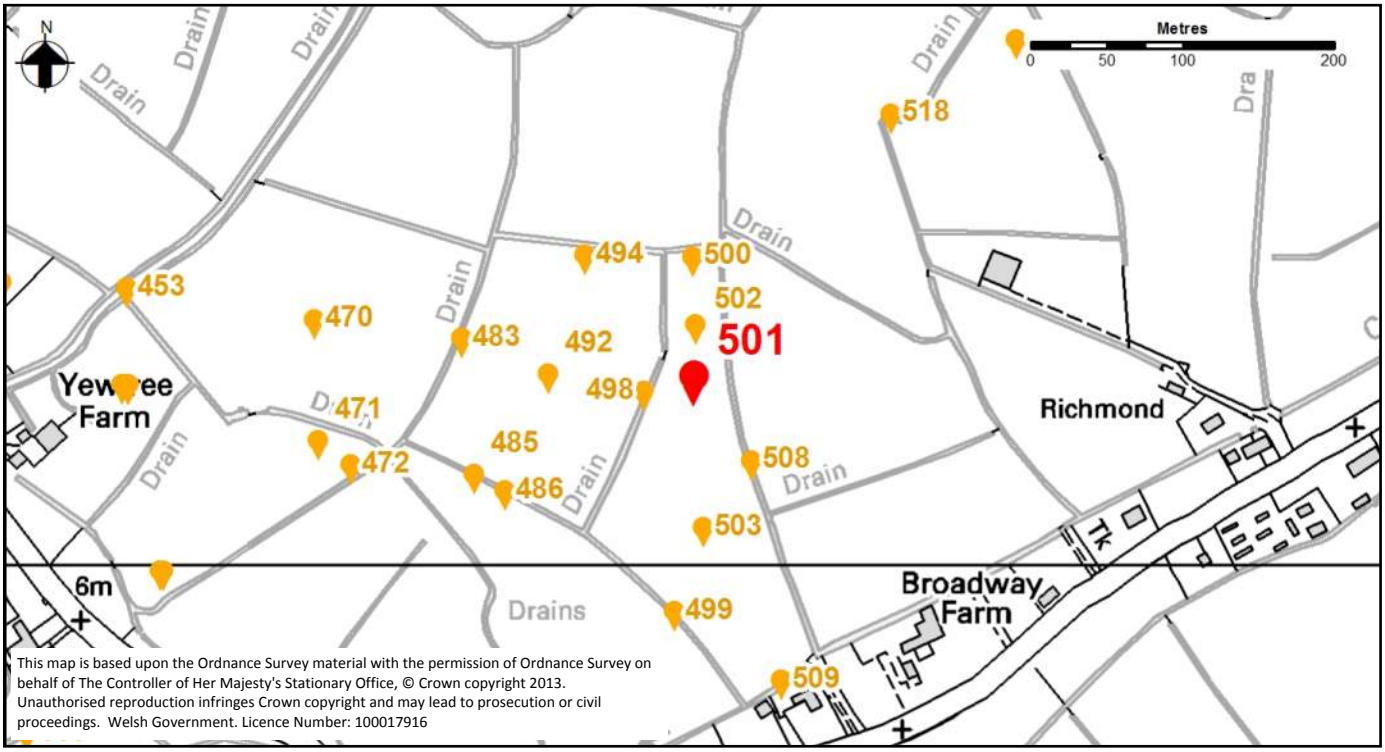

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	502	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Juncus sp., redshank, yellow sedge, wild carrot, meadow foxtail, great willowherb, daisy, red clover

Potential for Protected Species:

Target Note Location Map:

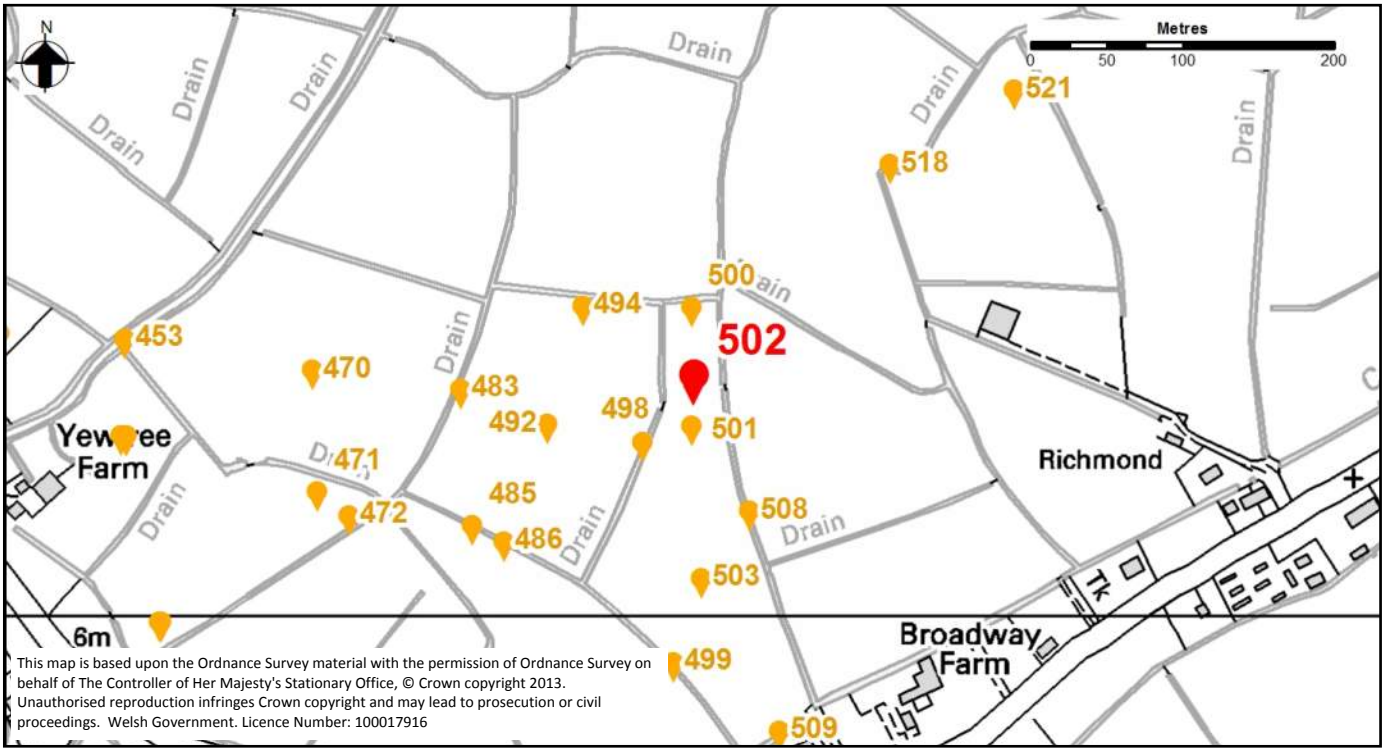

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	503	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Meadow foxtail, great willowherb, daisy, red clover, thistle sp., crested dog's tail, dandelion

Potential for Protected Species:

Target Note Location Map:

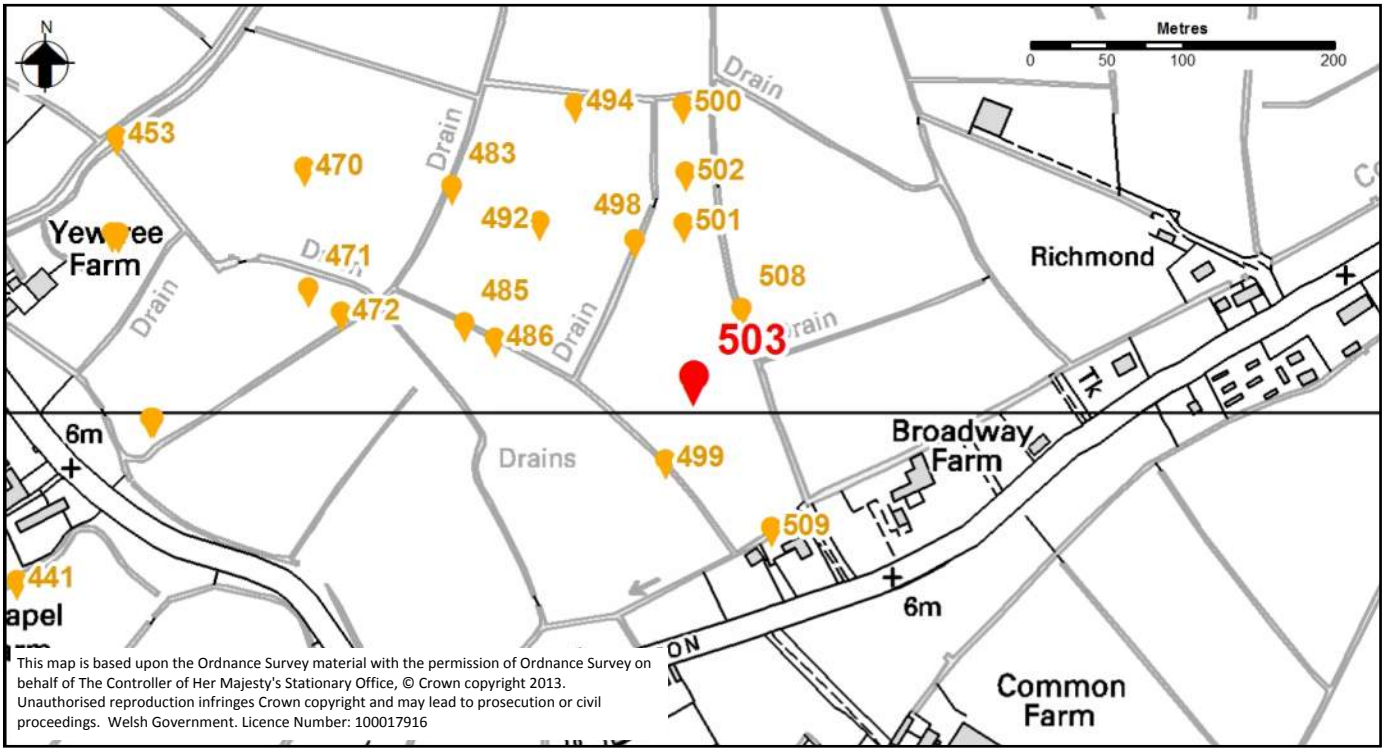

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	504	Date:	11-04-2014	GPS:	51.57, -2.93

Dominant Habitats:

Running water and scrub.

Target Note:

Mammal path in reen leading to scrub.

Potential for Protected Species:

Cetti's warbler calling.

Target Note Location Map:

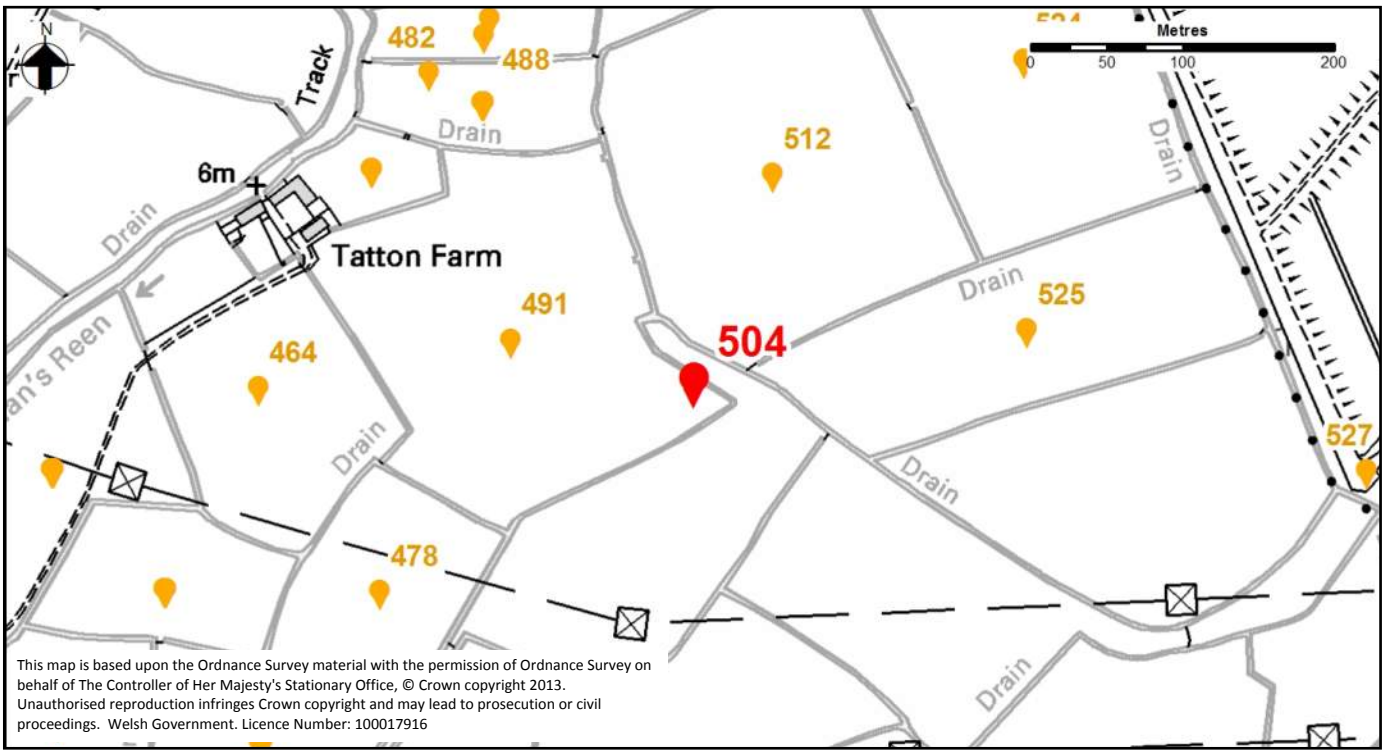

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	505	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Common nettle, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

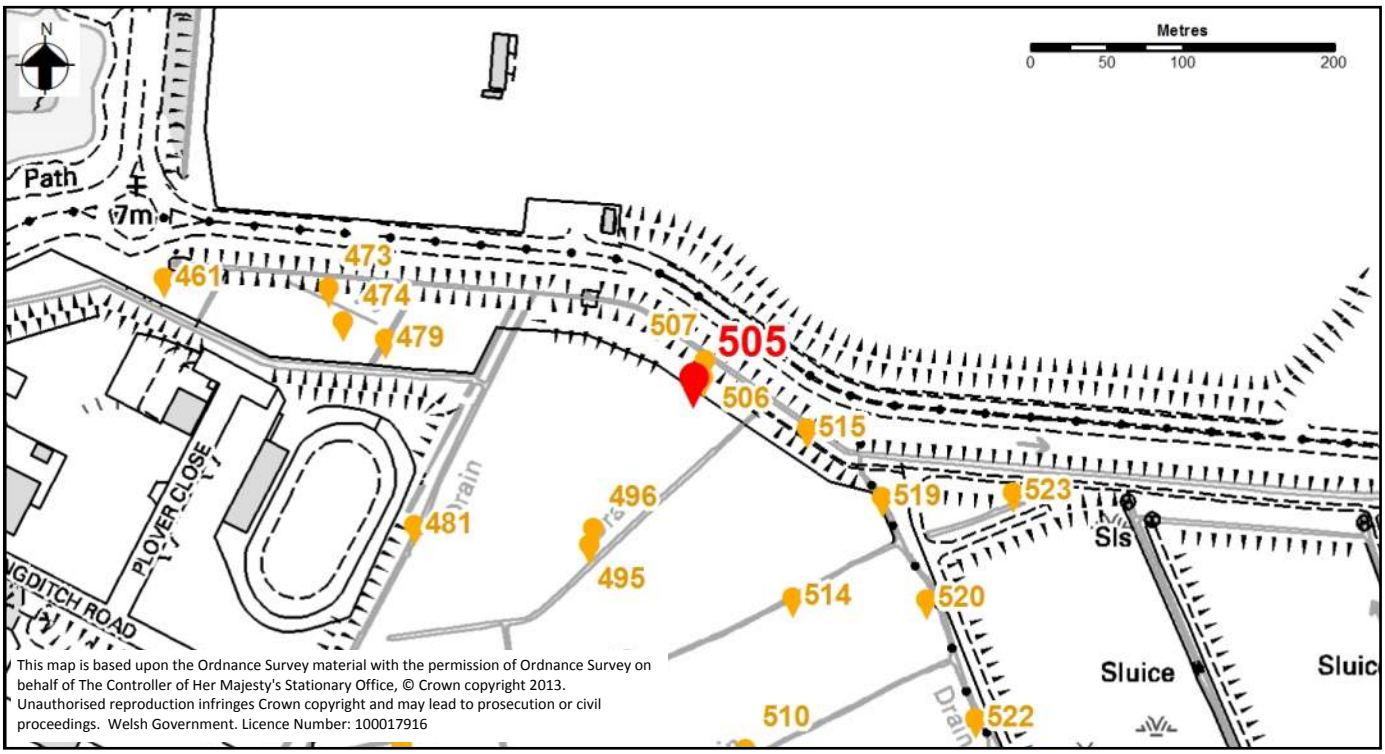

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	506	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Common nettle, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

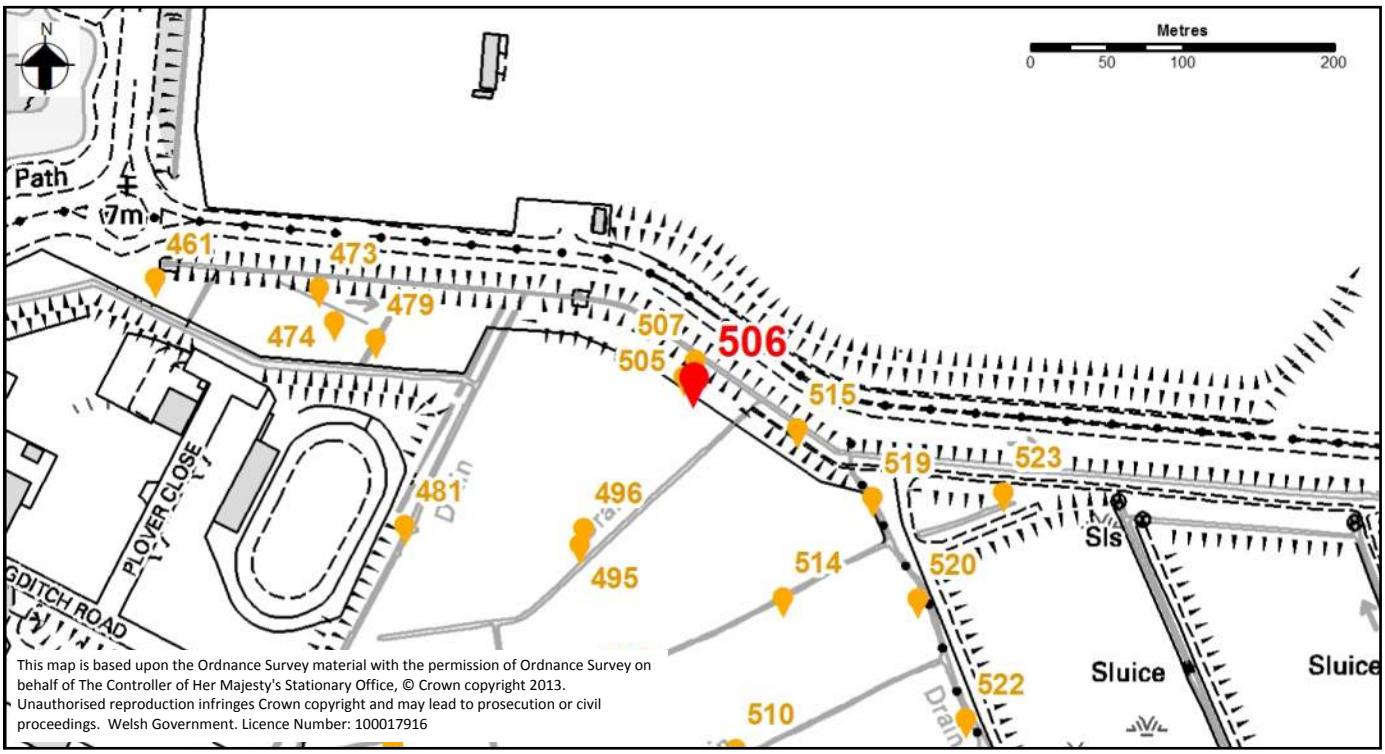

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	507	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Common reed, common nettle, wild carrot, bramble, hogweed, hemp agrimony, reed sweet grass, teasel, marsh thistle

Potential for Protected Species:

Target Note Location Map:

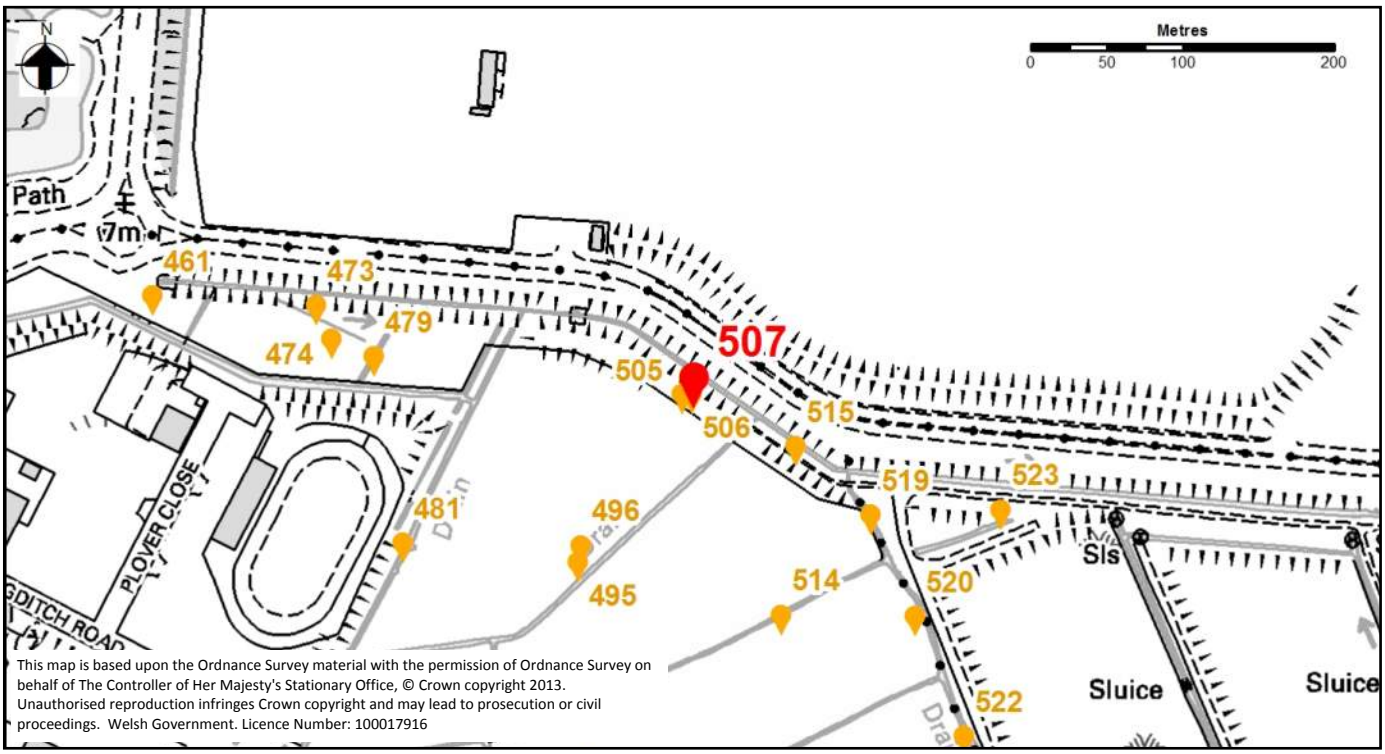

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	508	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Yellow flag, St Johns wort, duckweed, greater willowherb, bramble, cocksfoot, hawthorn, hedge bindweed

Potential for Protected Species:

Target Note Location Map:

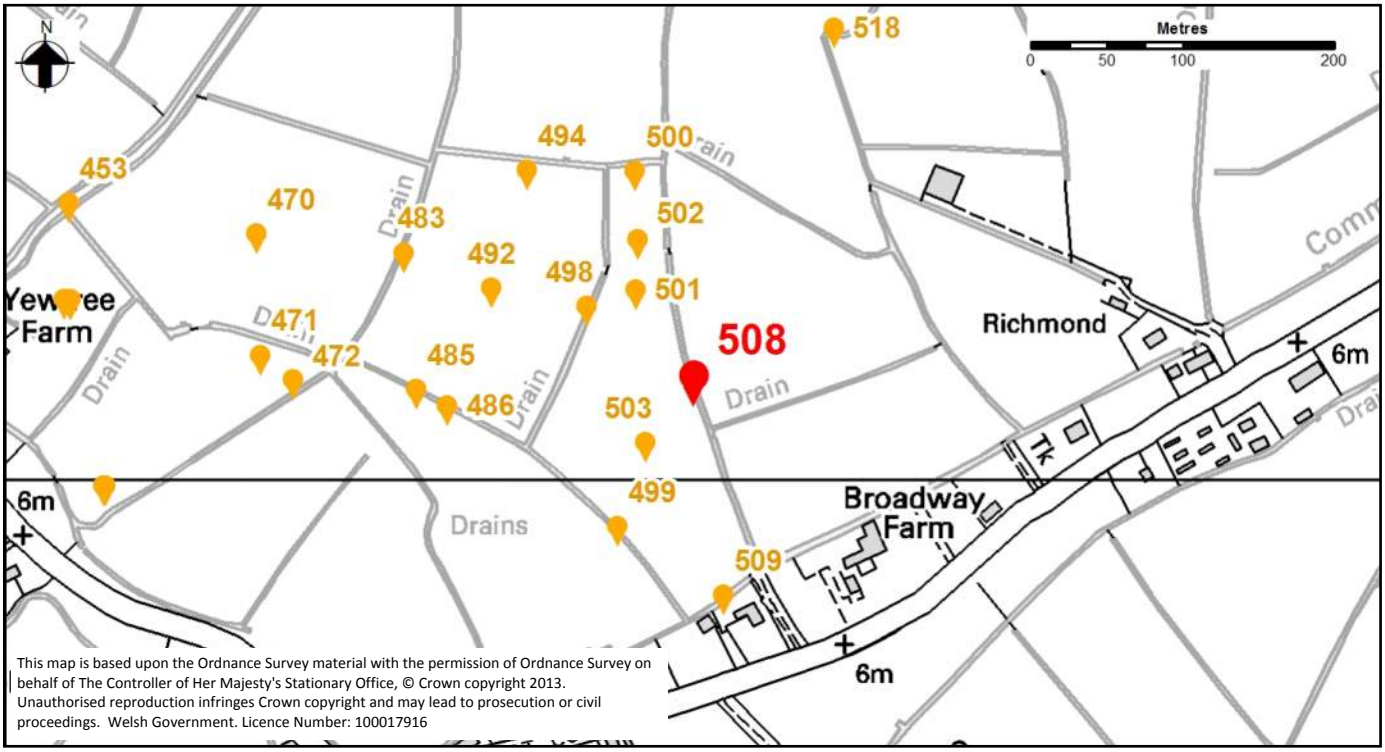

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	509	Date:		GPS:	51.56, -2.93

Dominant Habitats:

Target Note:

Willow, bramble, yellow flag, duckweed

Potential for Protected Species:

Target Note Location Map:

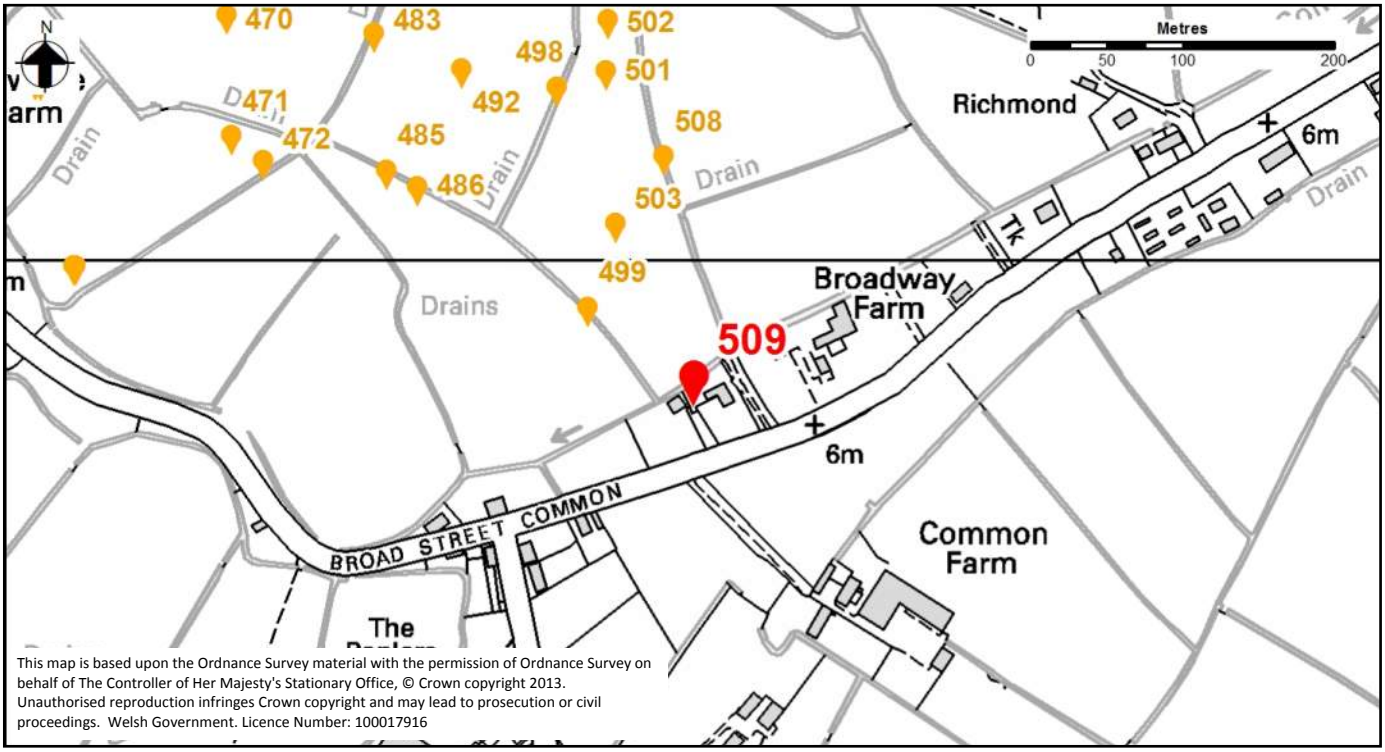

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	510	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Reed sweet grass, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

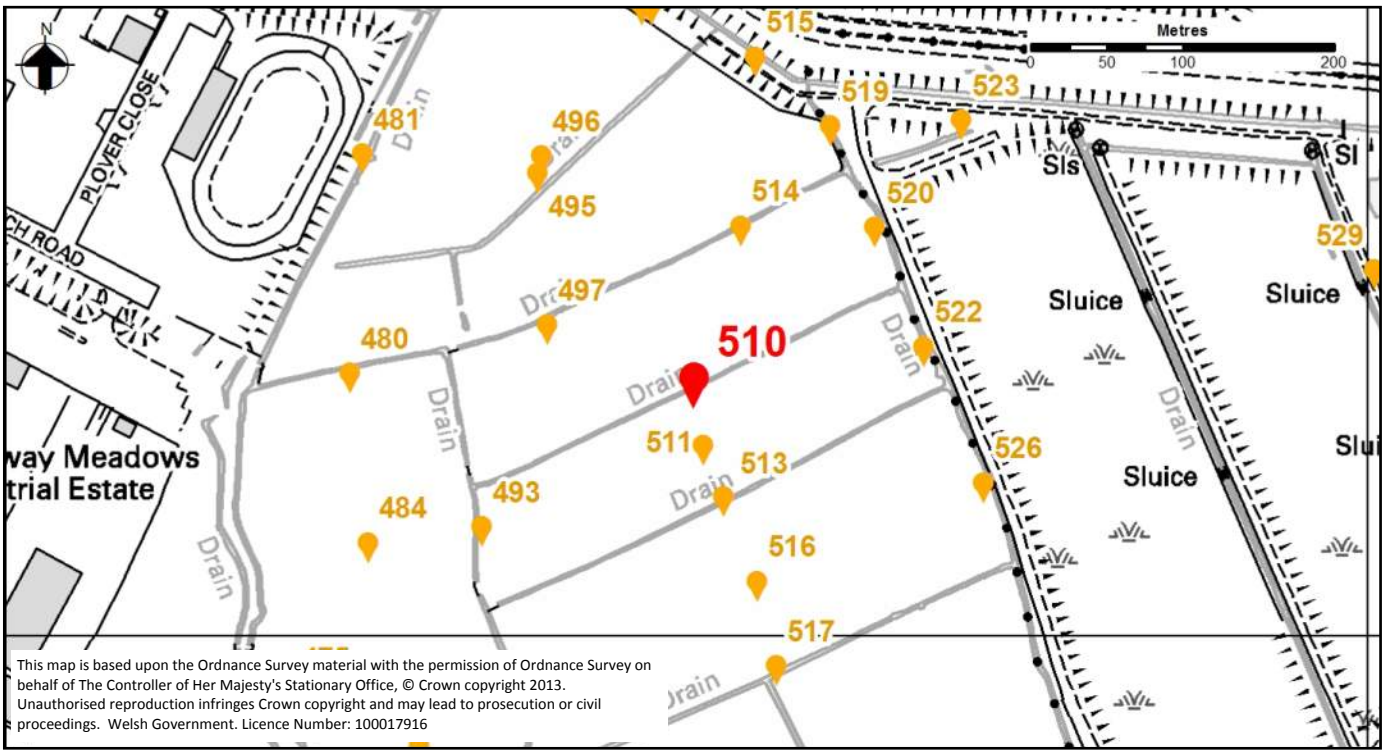

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	511	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Meadow foxtail, crested dog's tail, perennial ryegrass, annual meadowgrass, meadow buttercup. Cattle grazed.

Potential for Protected Species:

Target Note Location Map:

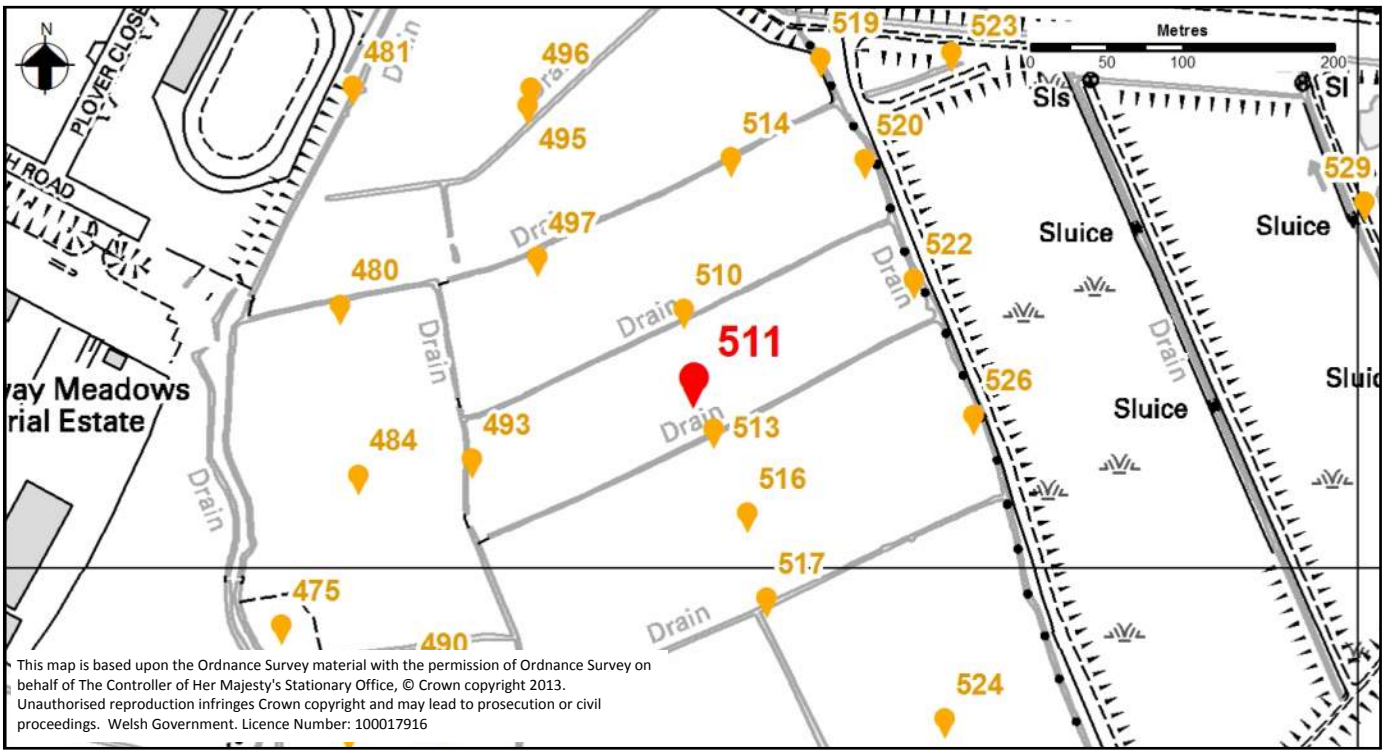

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	512	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, soft rush, knapweed, kidney vetch, pineapple mayweed, creeping thistle, common nettle, dendelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, white clover, sweet vernal grass, fescue

Potential for Protected Species:

Target Note Location Map:

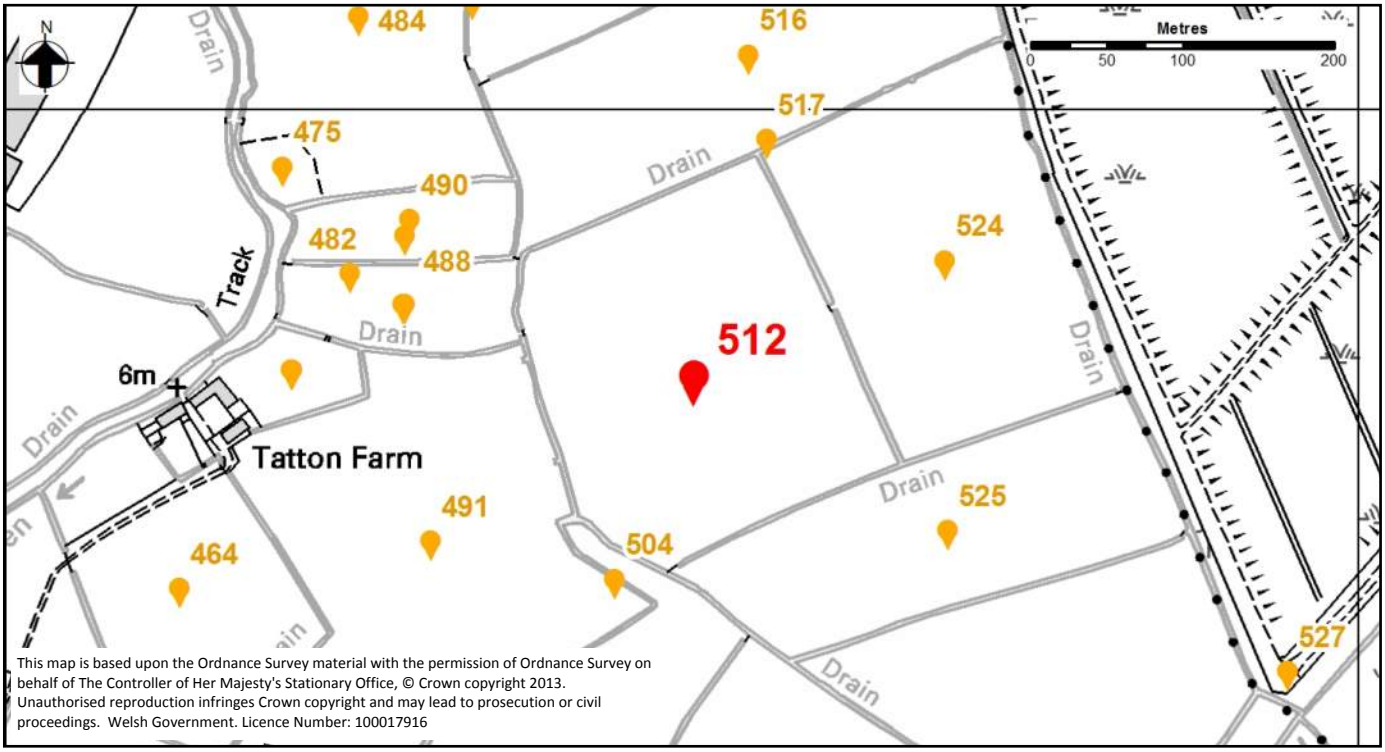

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	513	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Silverweed, water parsnip, water mint, Juncus sp.

Potential for Protected Species:

Target Note Location Map:

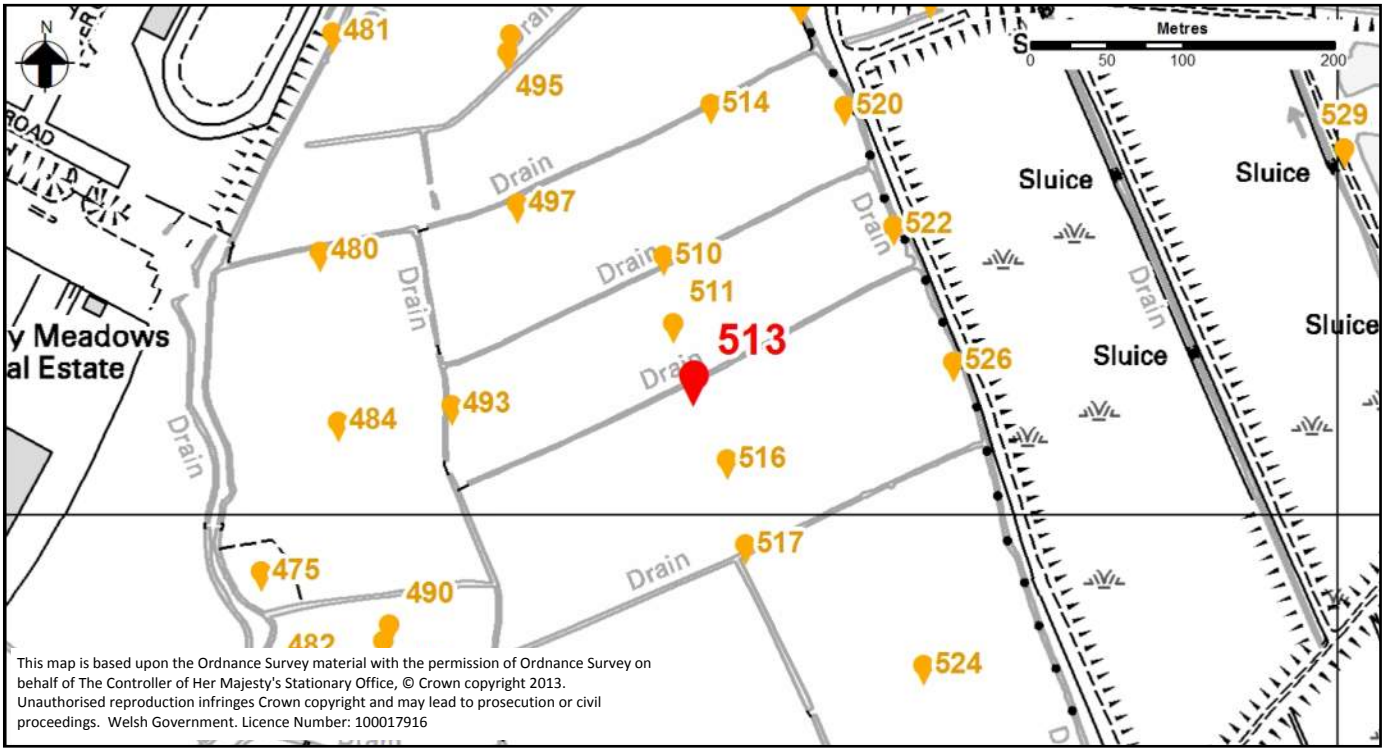

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	514	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Common reed, soft rush, common nettle, yellow flag iris, bramble

Potential for Protected Species:

Target Note Location Map:

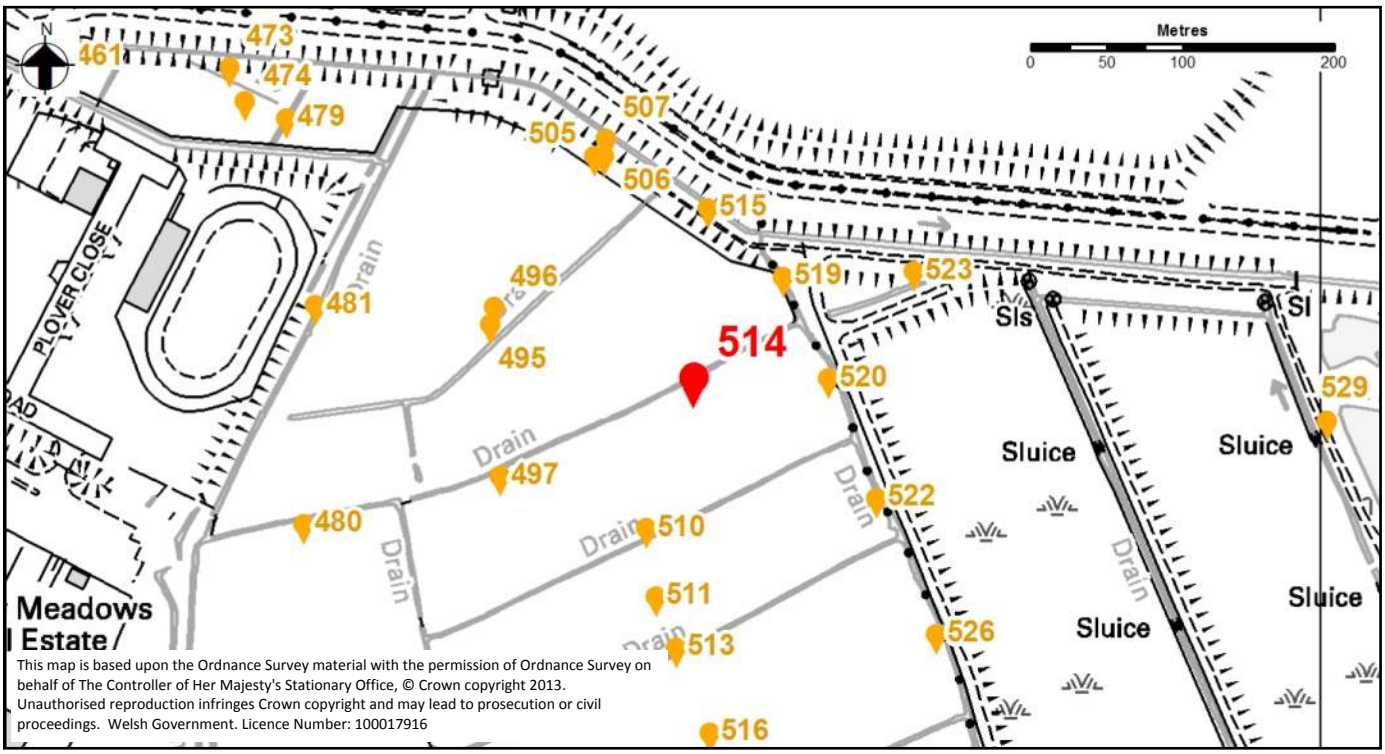

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	515	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Perennial ryegrass, annual meadow grass, Yorkshire fog, field barley, crested dog's tail, creeping thistle

Potential for Protected Species:

Target Note Location Map:

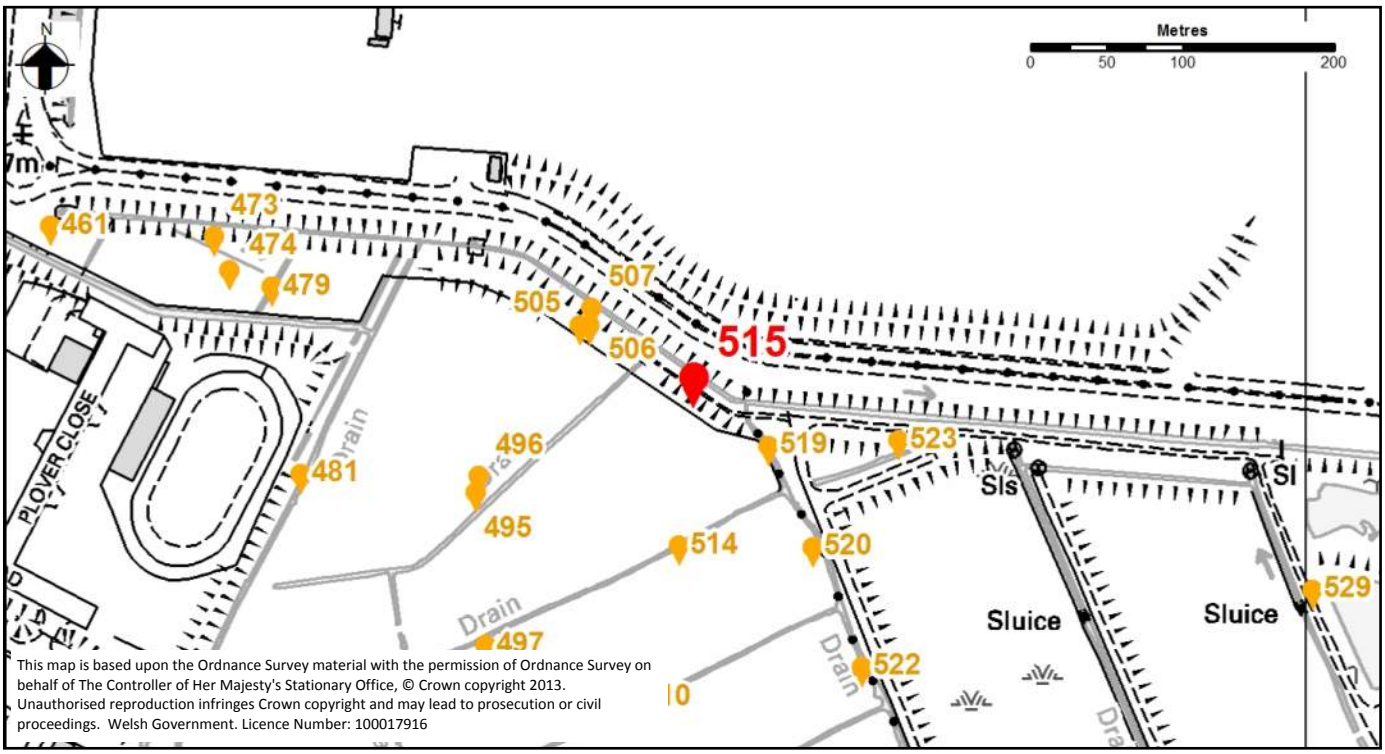

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	516	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Creeping thistle, common nettle, Yorkshire fog, perennial ryegrass, greater plantain, annual meadow grass

Potential for Protected Species:

Target Note Location Map:

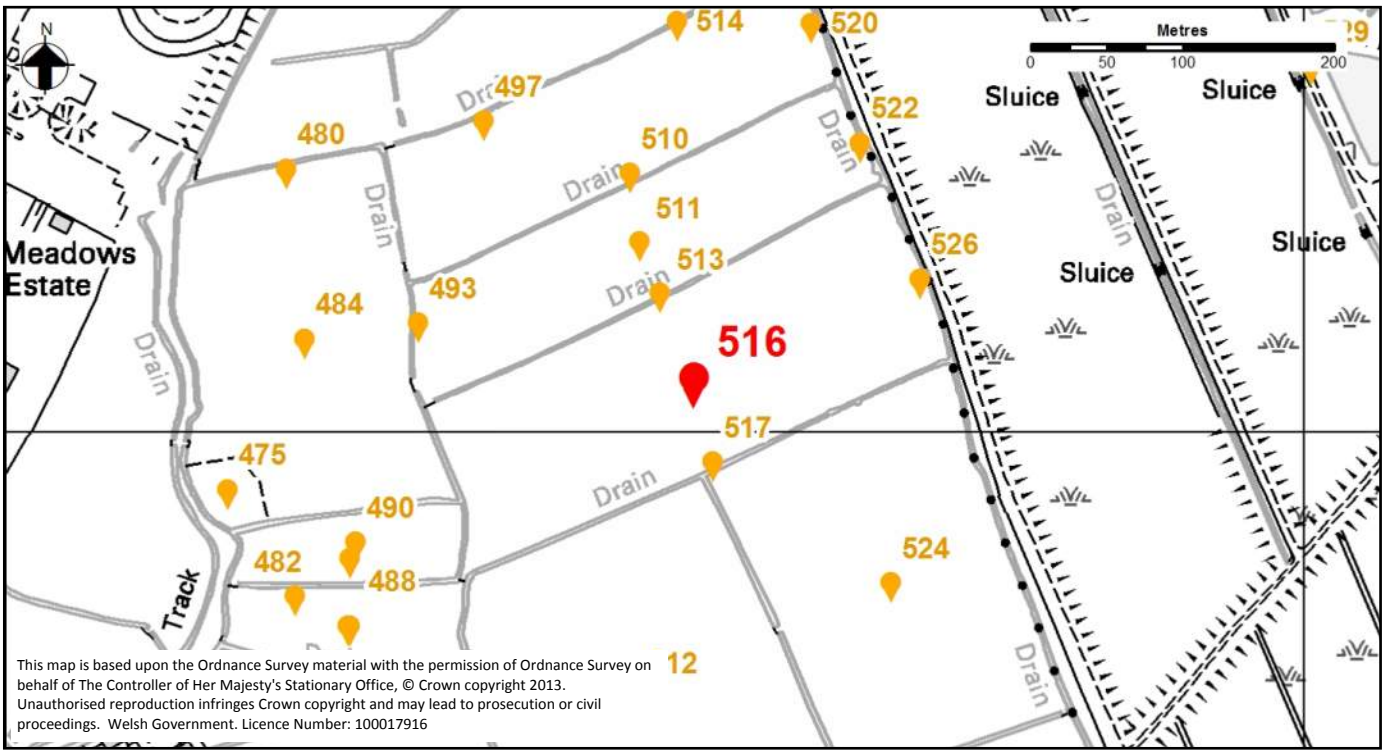

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	517	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Reed sweet grass, Juncus sp., common reed

Potential for Protected Species:

Target Note Location Map:

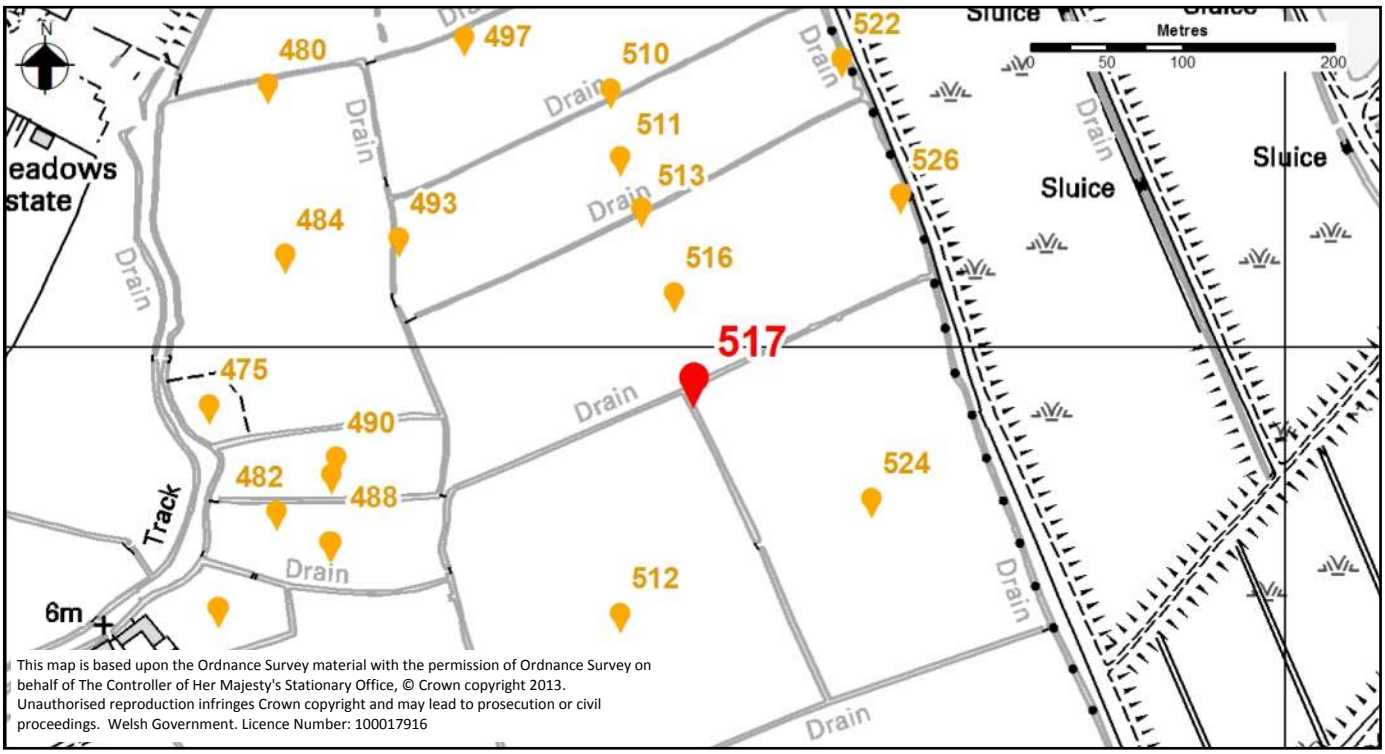

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	518	Date:	30-09-2014 11:52	GPS:	51.56, -2.93

Dominant Habitats:

Ditch, livestock grazing

Target Note:

Frog

Potential for Protected Species:

Target Note Location Map:

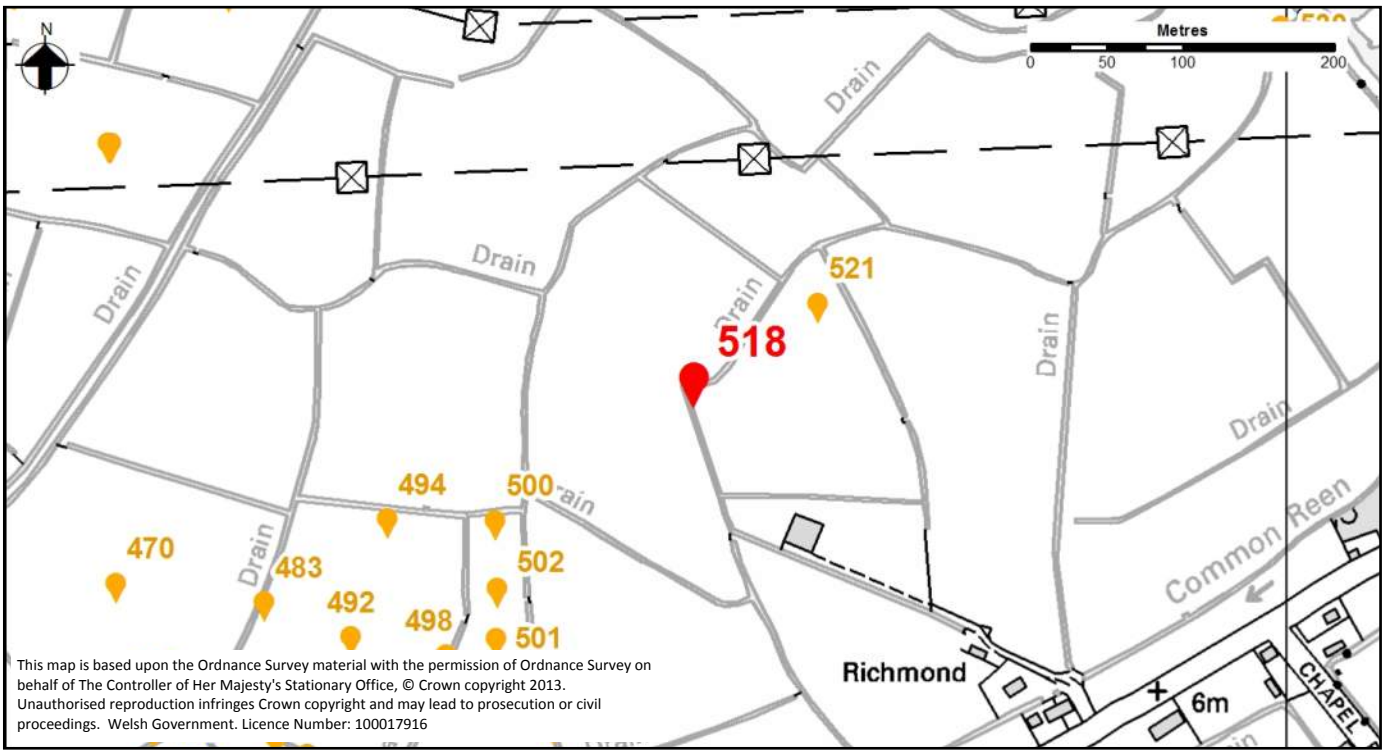

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	519	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Common reed, Juncus sp., soft rush

Potential for Protected Species:

Target Note Location Map:

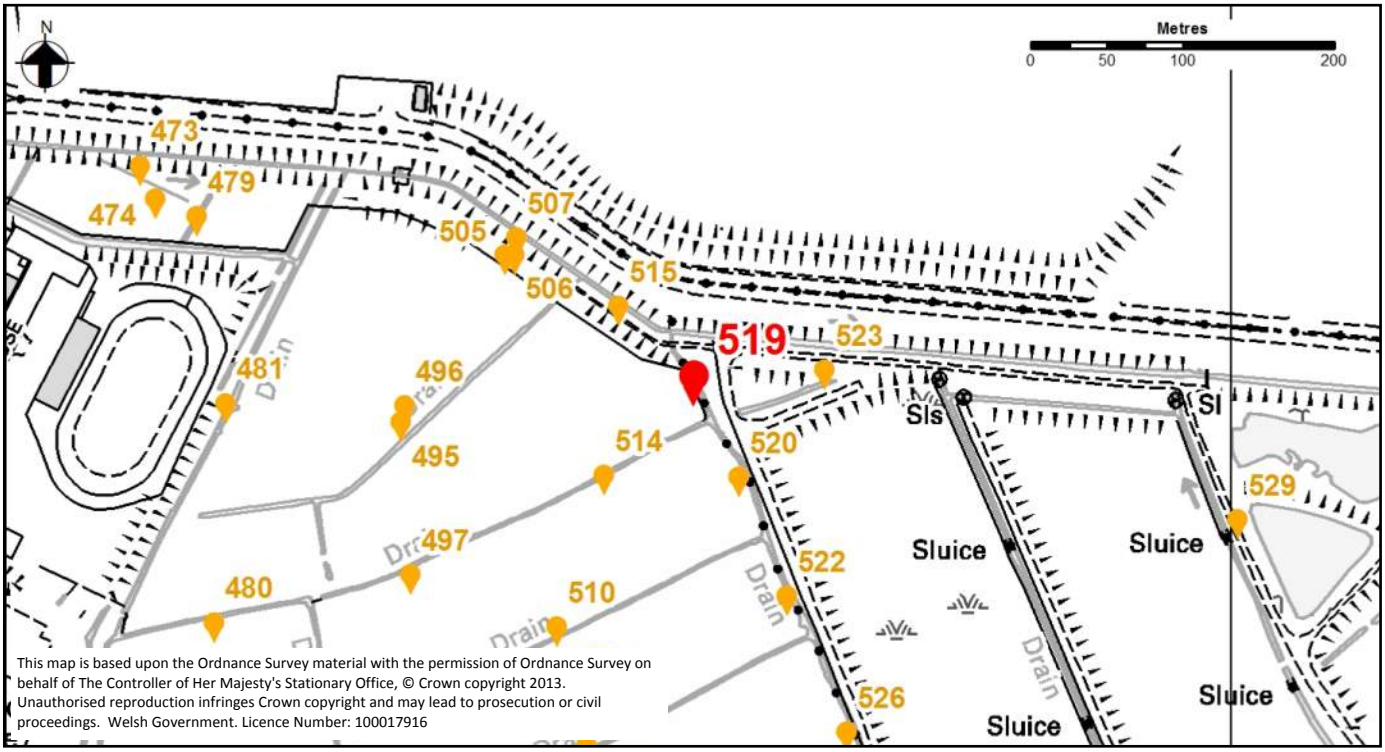

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	520	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Soft rush, common reed, reed sweet grass, Juncus sp, yellow flag iris

Potential for Protected Species:

Target Note Location Map:

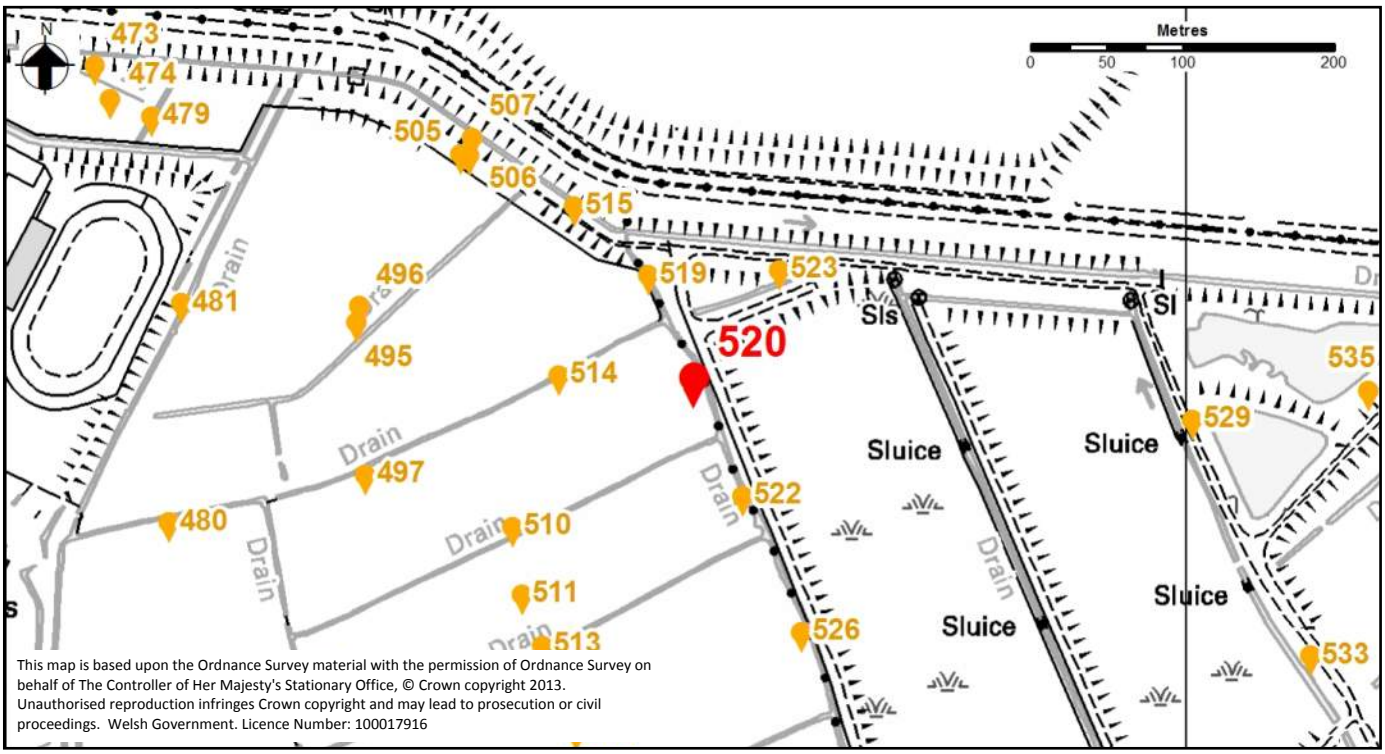

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	521	Date:	22-10-2014 16:19	GPS:	51.56, -2.93

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Bat/otter

Target Note:

Large black poplar on northern end of hedgerow. Partially cut on sides, not in height

Target Note Location Map:

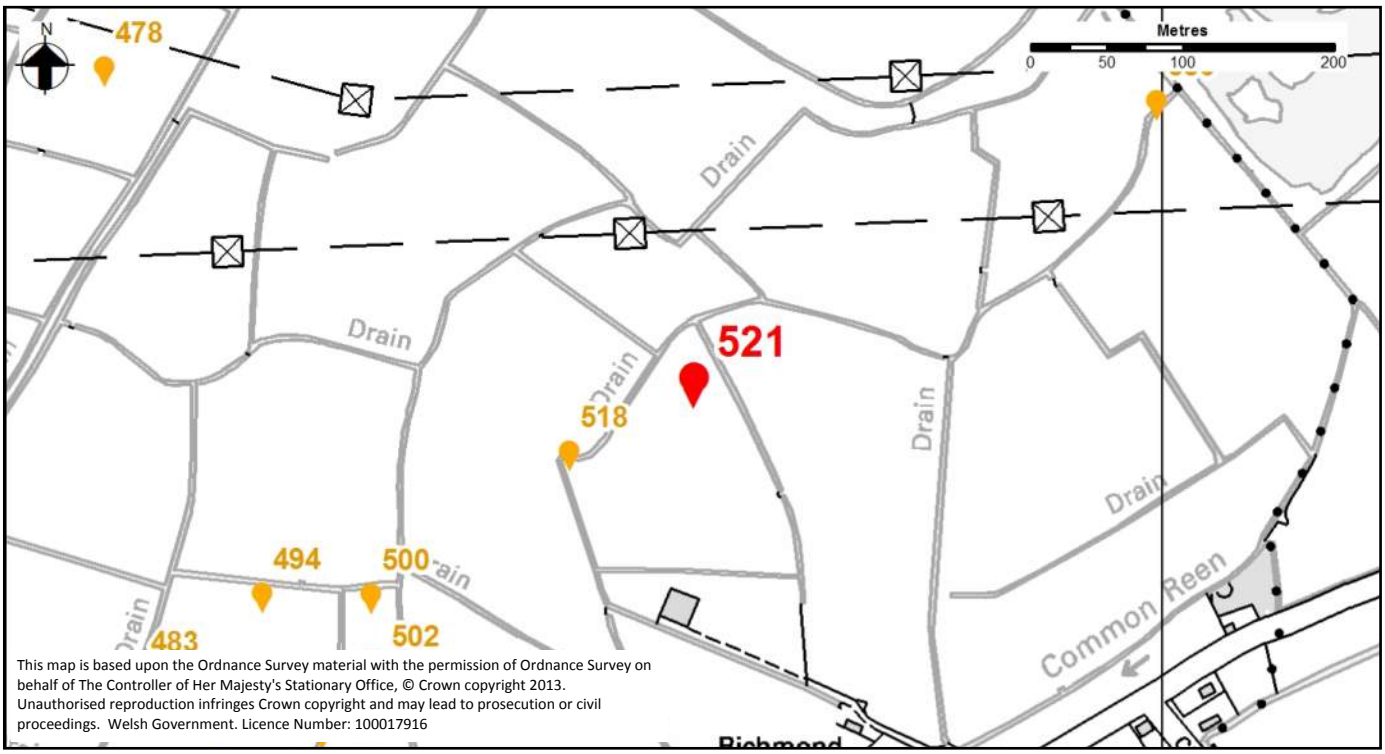

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	522	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Phragmites, hawthorn, nettle

Potential for Protected Species:

Target Note Location Map:

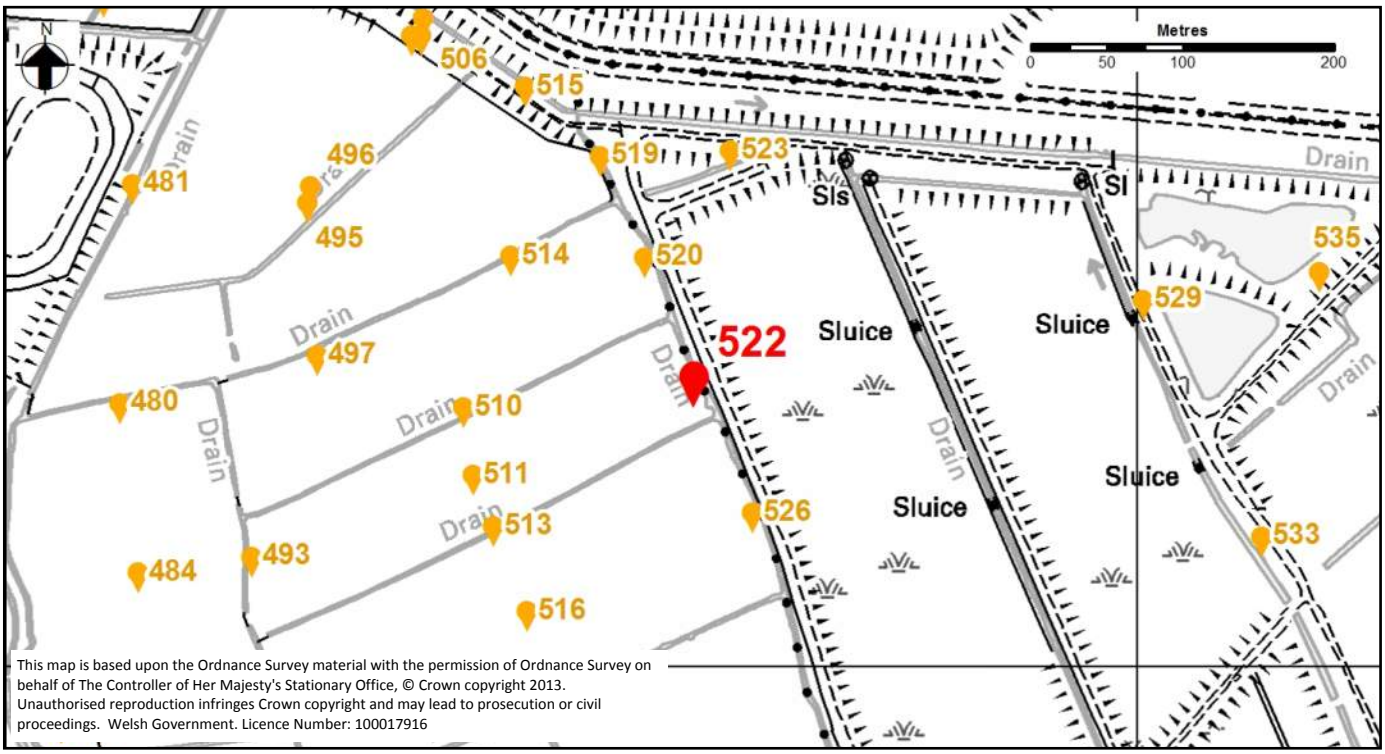

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	523	Date:	02-04-2014 12:52	GPS:	51.57, -2.93

Dominant Habitats:

Scrub

Target Note:

Mammal pathway, possibly rabbit

Potential for Protected Species:

Target Note Location Map:

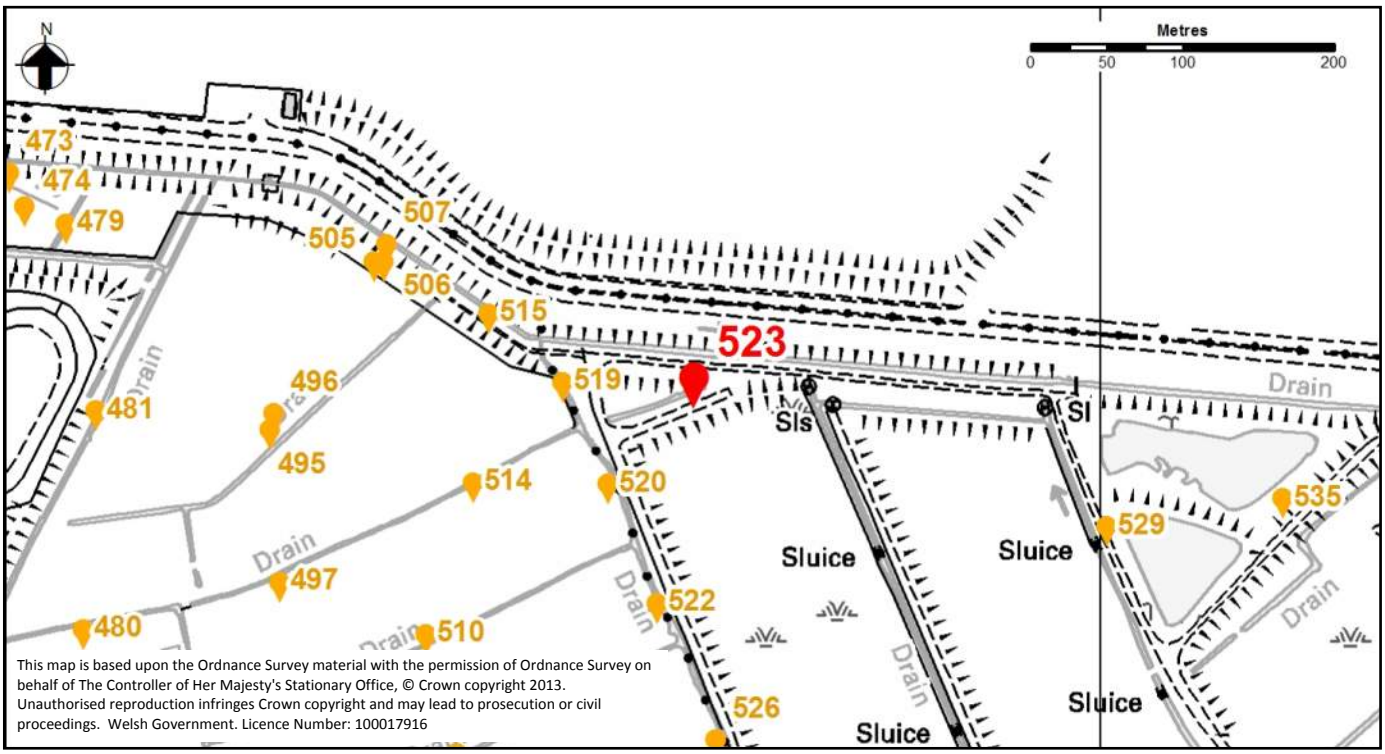

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	524	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, pineapple mayweed, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dogstail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel

Potential for Protected Species:

Target Note Location Map:

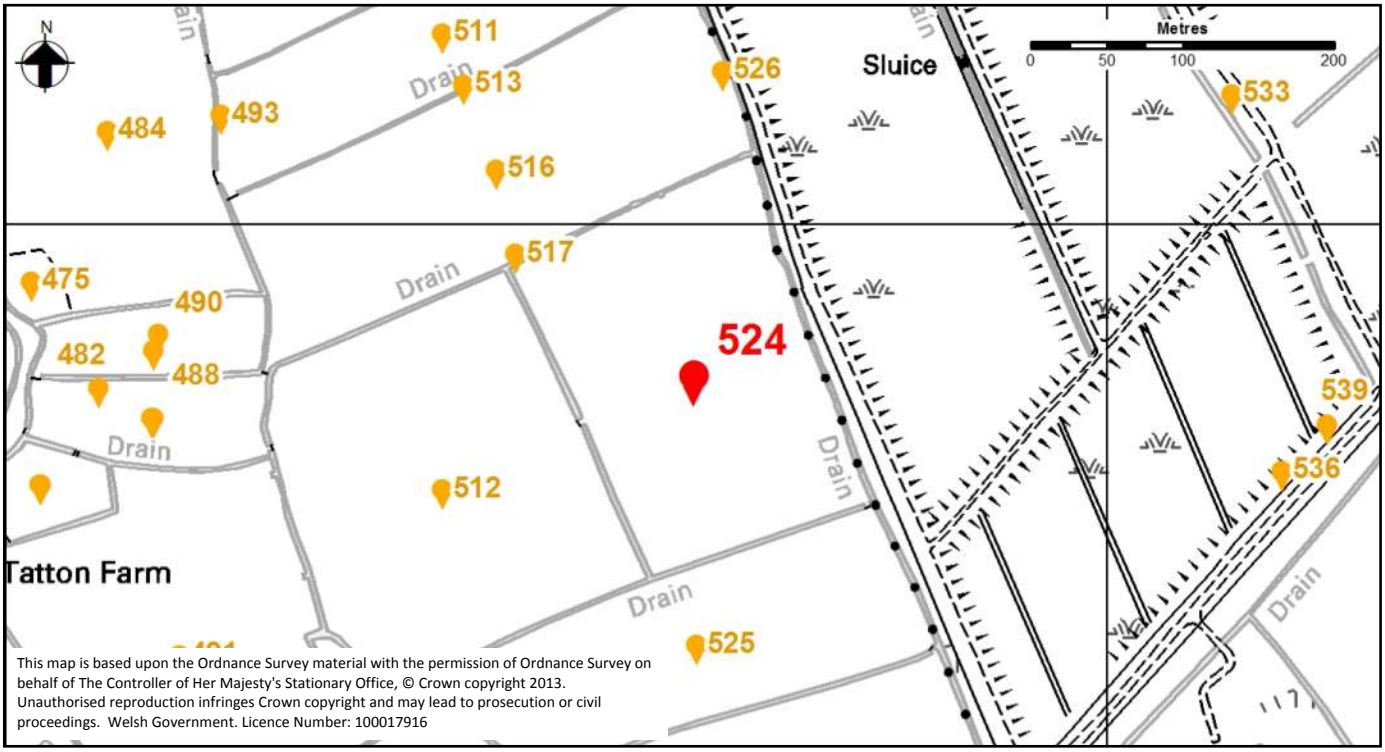

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	525	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Flora Species: Juncus >25%, Pineapple mayweed, creeping thistle, common nettle, dandelion sp., perennial ryegrass, crested dog's tail, hoary plantain, buttercup sp., Yorkshire fog, rush sp., white clover, sweet vernal grass, fescue, redshank, sheep sorrel.

Potential for Protected Species:

Target Note Location Map:

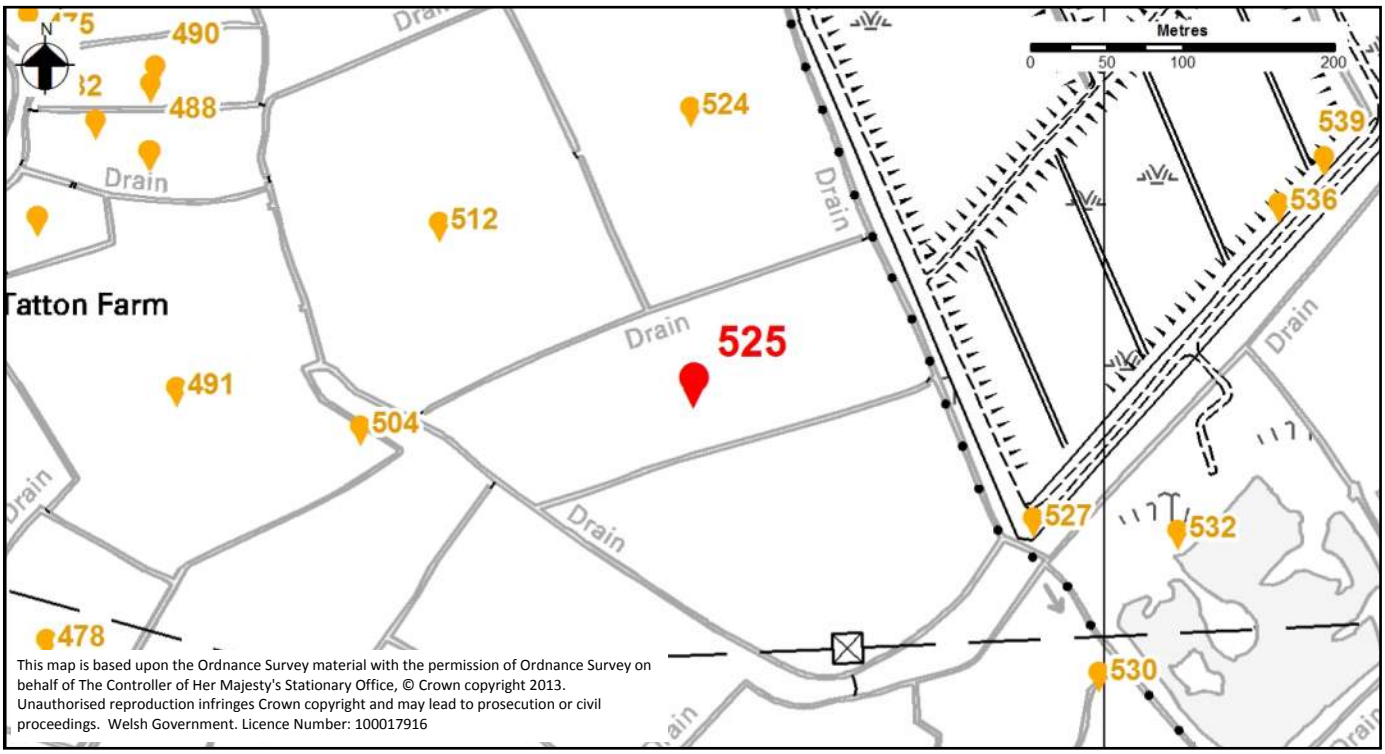

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	526	Date:		GPS:	51.57, -2.93

Dominant Habitats:

Target Note:

Reed sweet grass, Juncus sp., common reed

Potential for Protected Species:

Target Note Location Map:

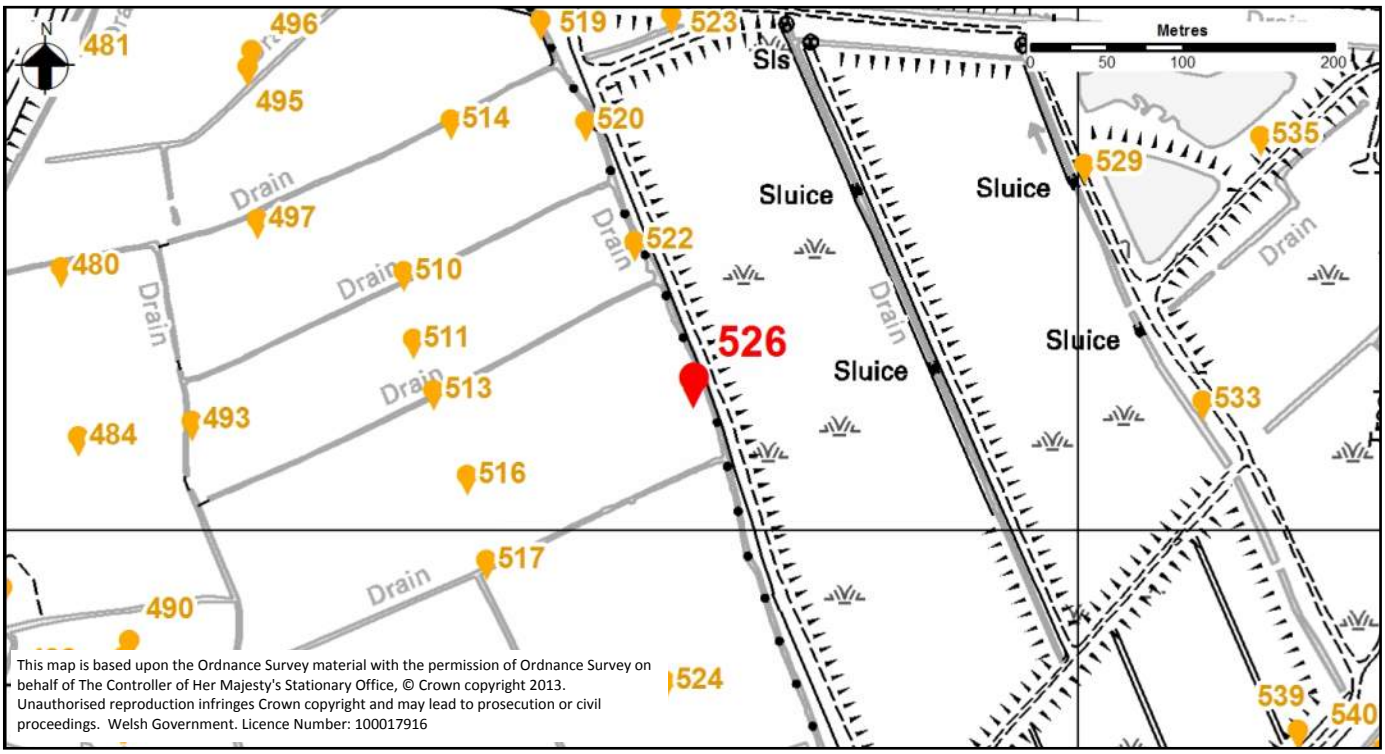

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	527	Date:	02-04-2014 12:16	GPS:	51.57, -2.93

Dominant Habitats:

Scrub

Target Note:

Mammal pathway going out under fence.

Potential for Protected Species:

Target Note Location Map:

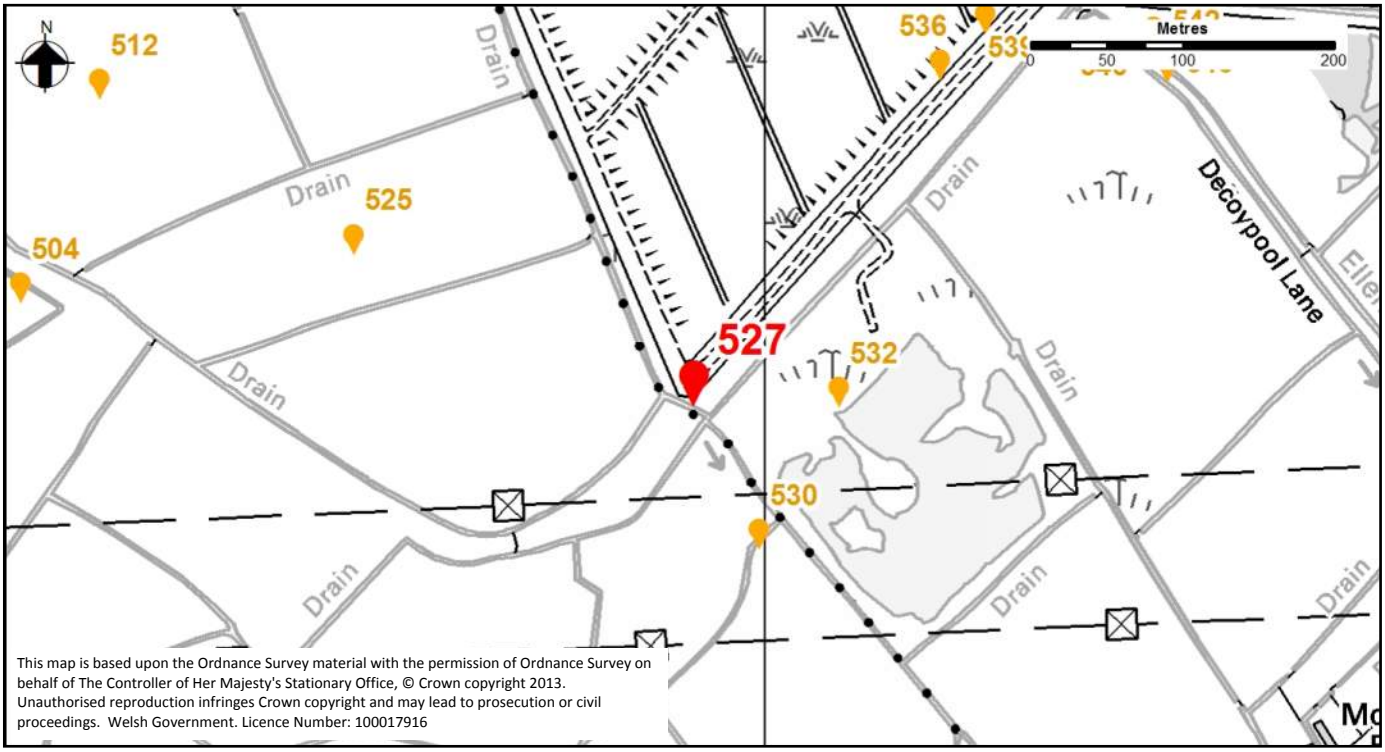

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	529	Date:	02-04-2014	GPS:	51.57, -2.92

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Former lagoon now dry with semi-improved grassland. Some areas still seasonally inundated with common reed, reed canary grass and willow scrub.

Potential for Protected Species:

Target Note Location Map:

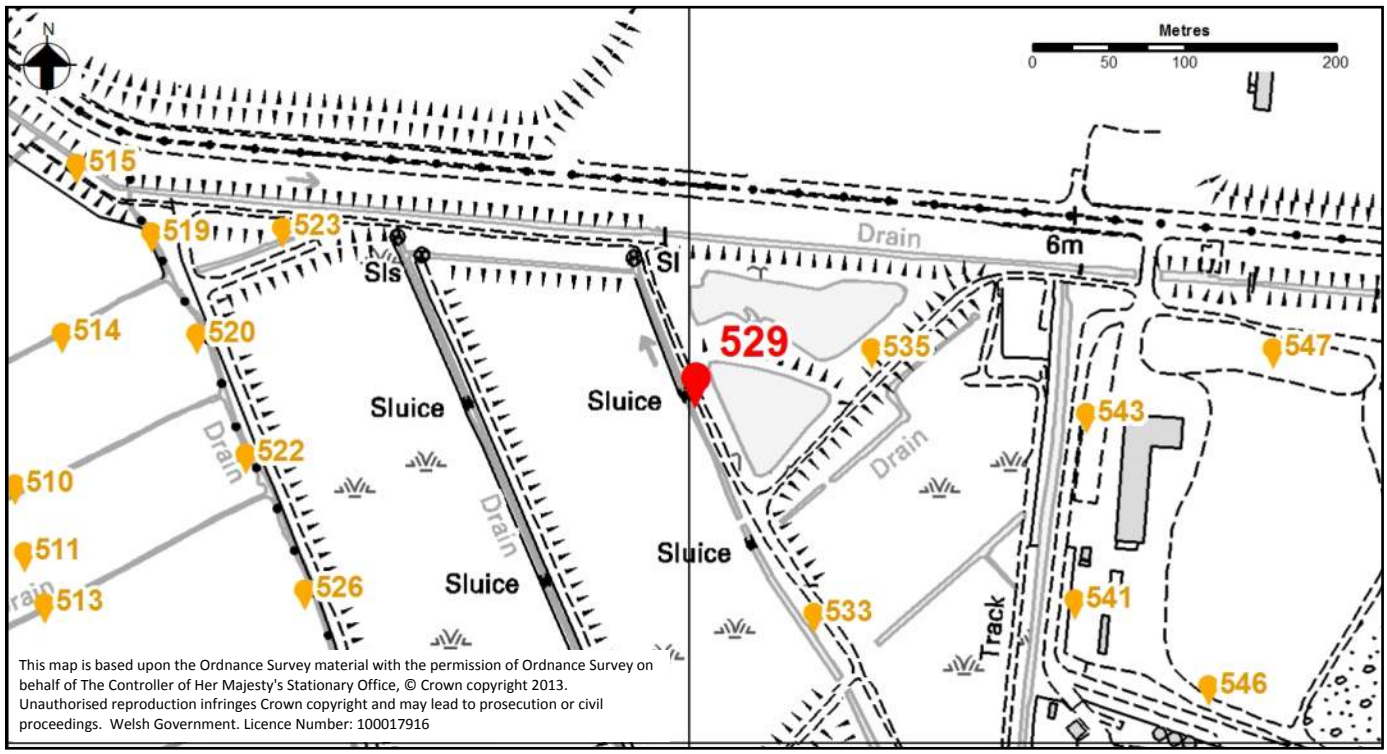

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	530	Date:	24-10-2014 13:05	GPS:	51.56, -2.92

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Otter

Target Note:

Mammal seen diving into water here, possibly an otter.

Target Note Location Map:

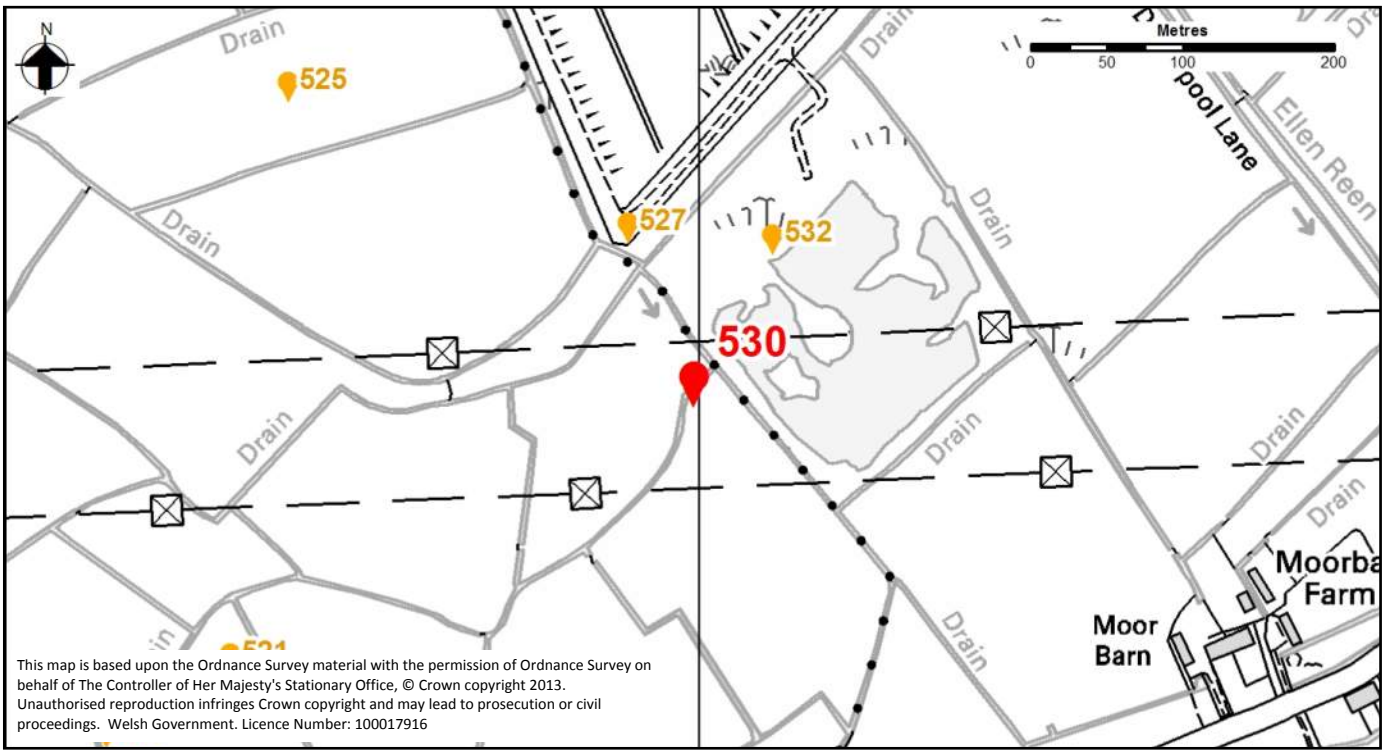

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	532	Date:	02-04-2014	GPS:	51.57, -2.92

Dominant Habitats:

Swamp, scattered scrub, running water

Target Note:

Pond with common reed and scrub.

Potential for Protected Species:

Potential for otters and amphibians. Less potential for water vole.

Target Note Location Map:

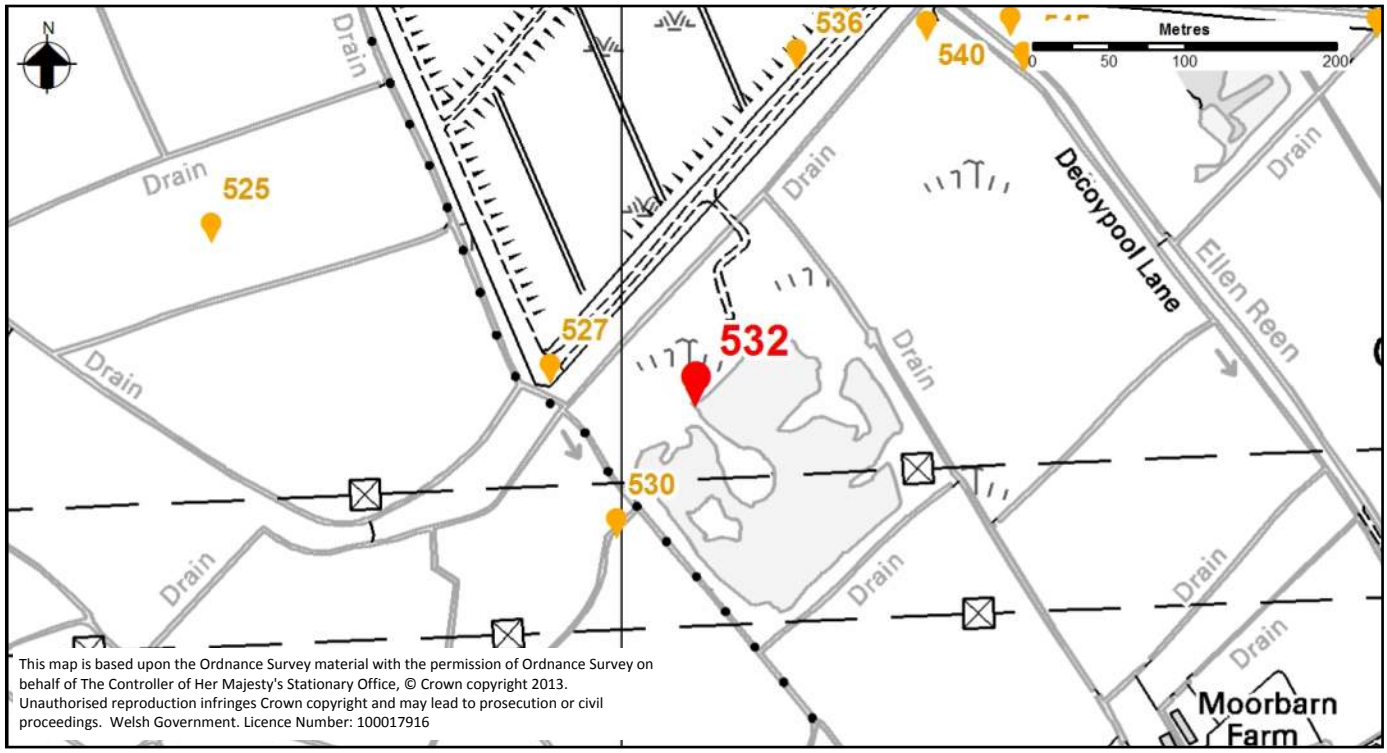

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	533	Date:	02-04-2014	GPS:	51.57, -2.92

Dominant Habitats:

Swamp

Target Note:

Extensive reed bed

Potential for Protected Species:

Potential habitat for otter, amphibians, water vole and breeding birds. Cetti's warbler in song.

Target Note Location Map:

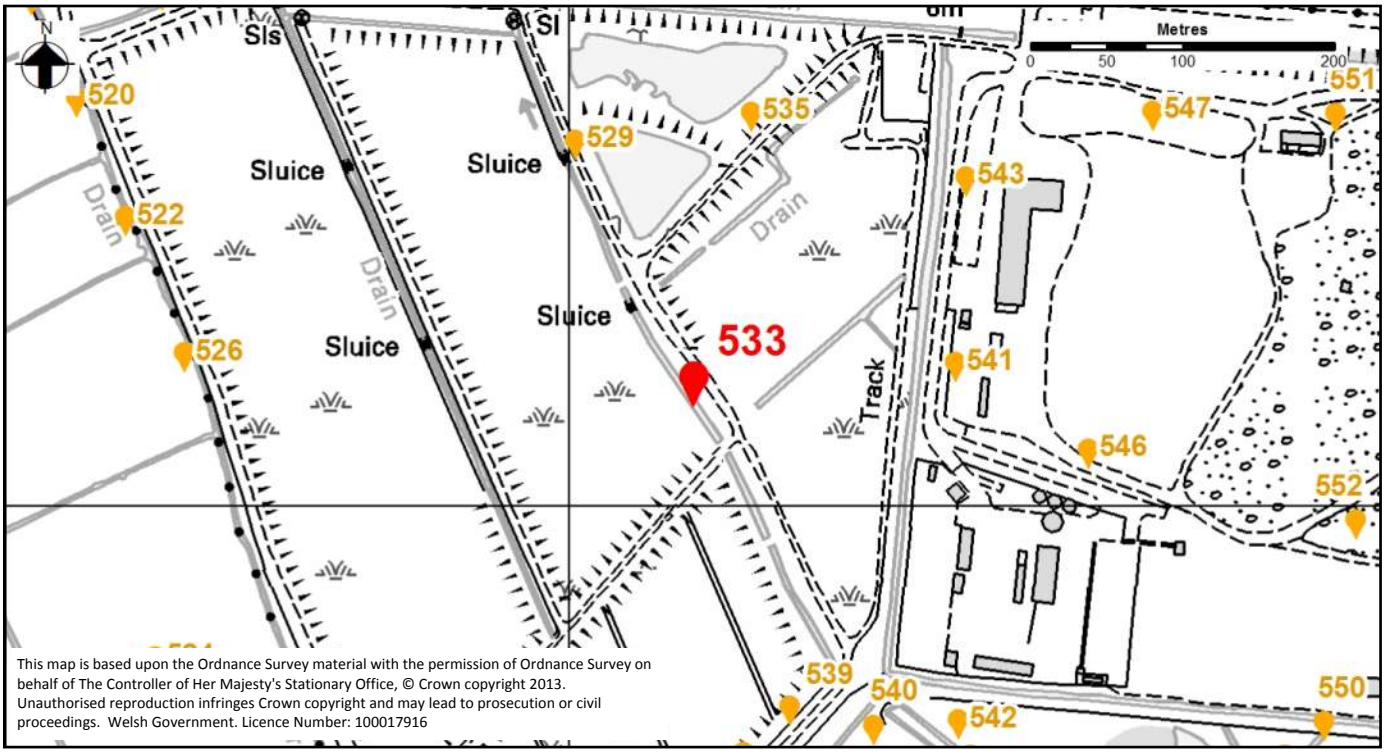

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	535	Date:	15-10-2014	GPS:	51.57, -2.92

Dominant Habitats:

Scrub

Target Note:

Badger trail in steelworks leading from steelworks track to pond

Potential for Protected Species:

Badger

Target Note Location Map:

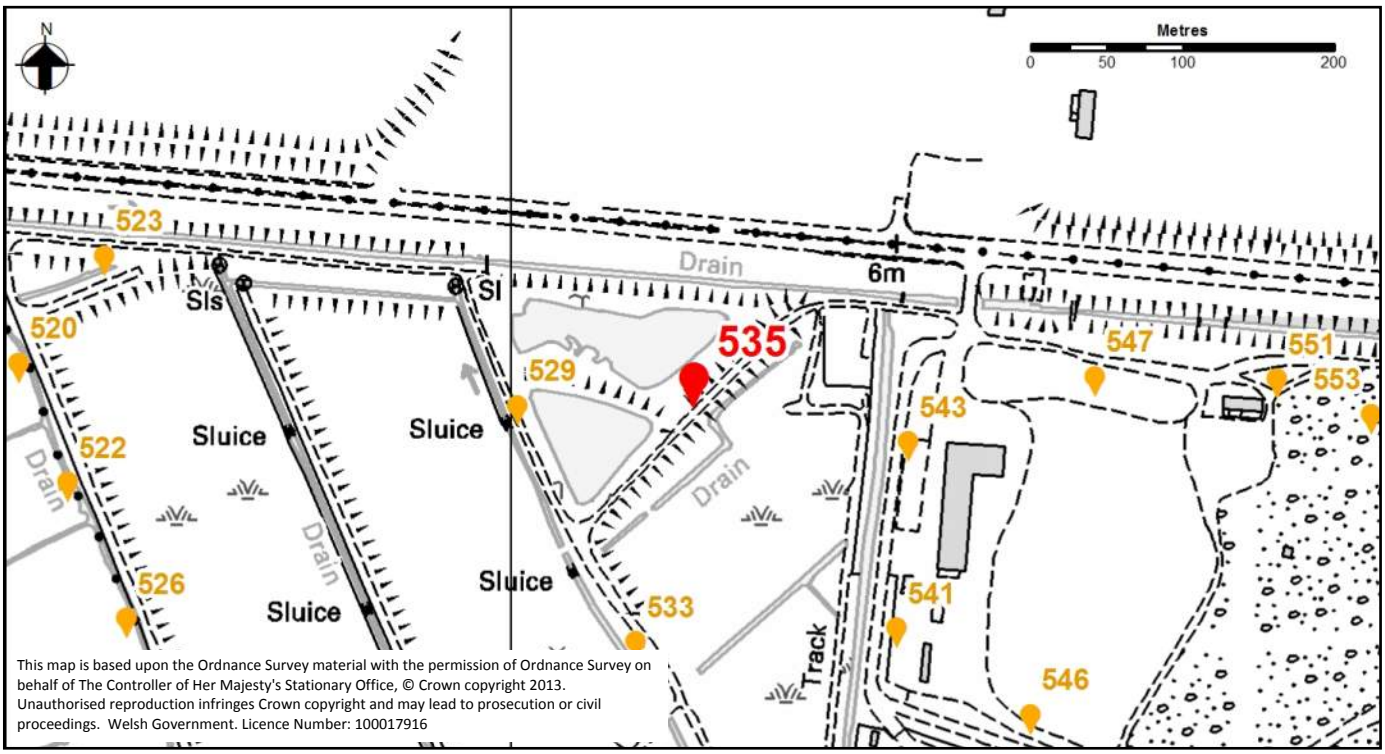

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	536	Date:	02-04-2014 10:49	GPS:	51.57, -2.92

Dominant Habitats:

Reedbed / scrub

Potential for Protected Species:

Badger potential

Target Note:

Path from reed beds to band of scrub

Target Note Location Map:

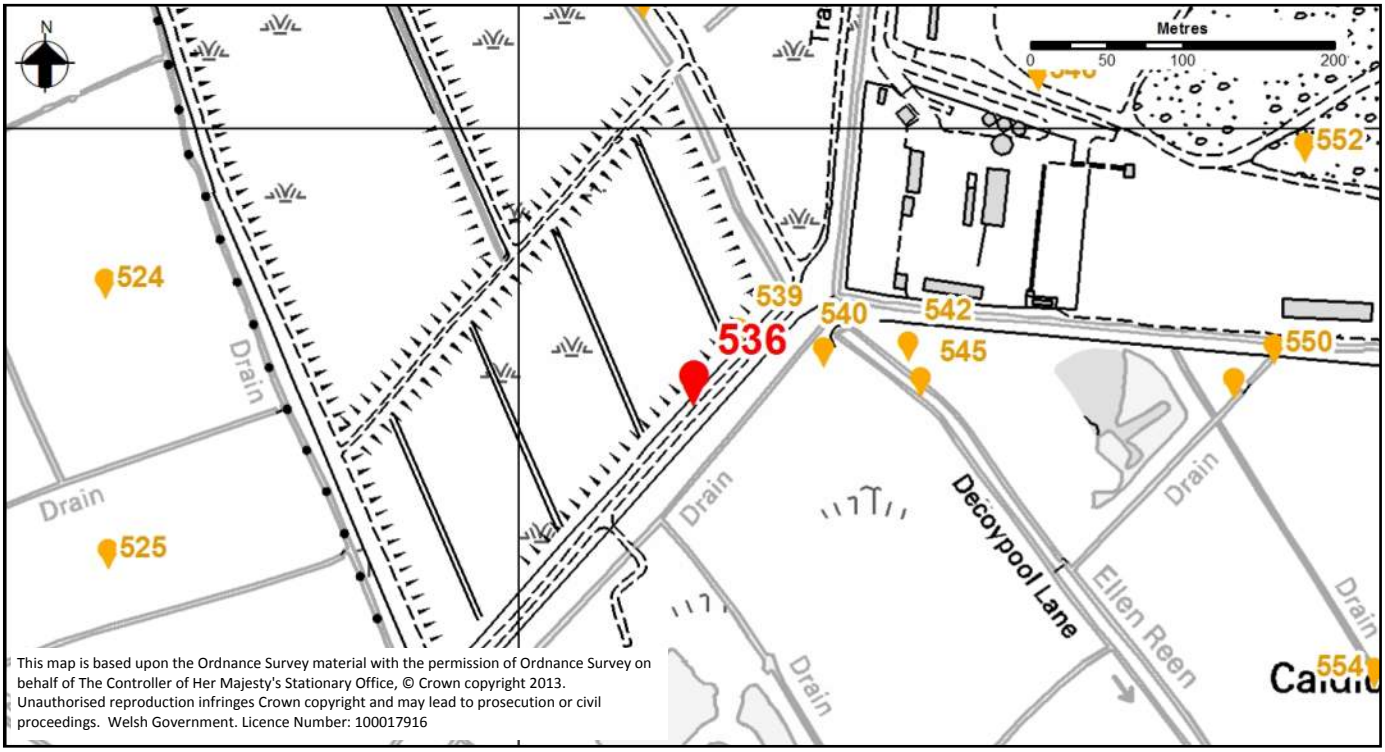

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	539	Date:	02-04-2014	GPS:	51.57, -2.92

Dominant Habitats:

Dense continuous scrub

Target Note:

Band of bramble scrub and trees with lots of bird song

Potential for Protected Species:

Chiff chaff and other warblers heard

Target Note Location Map:

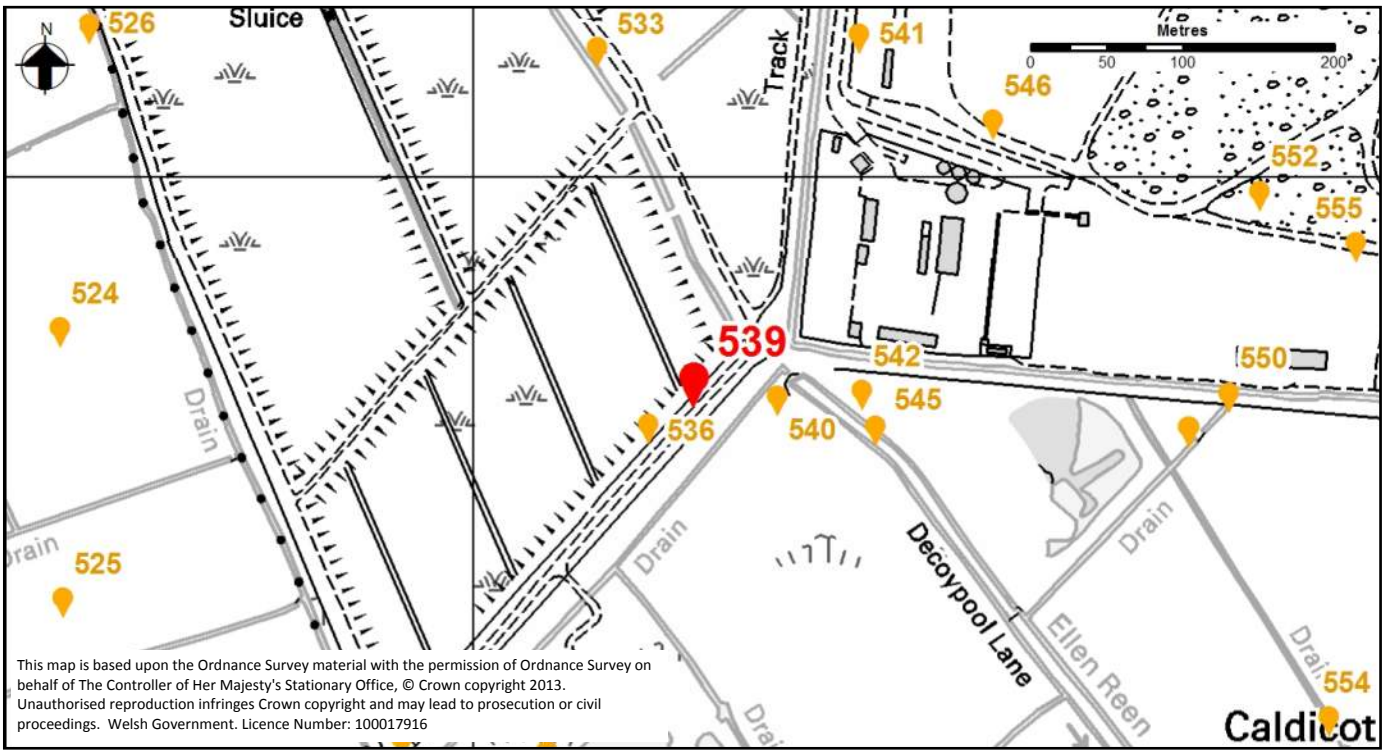

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	540	Date:	14-10-2014	GPS:	51.57, -2.92

Dominant Habitats:

Scrub, blackthorn bush

Target Note:

Badger track through bush

Potential for Protected Species:

Badger

Target Note Location Map:

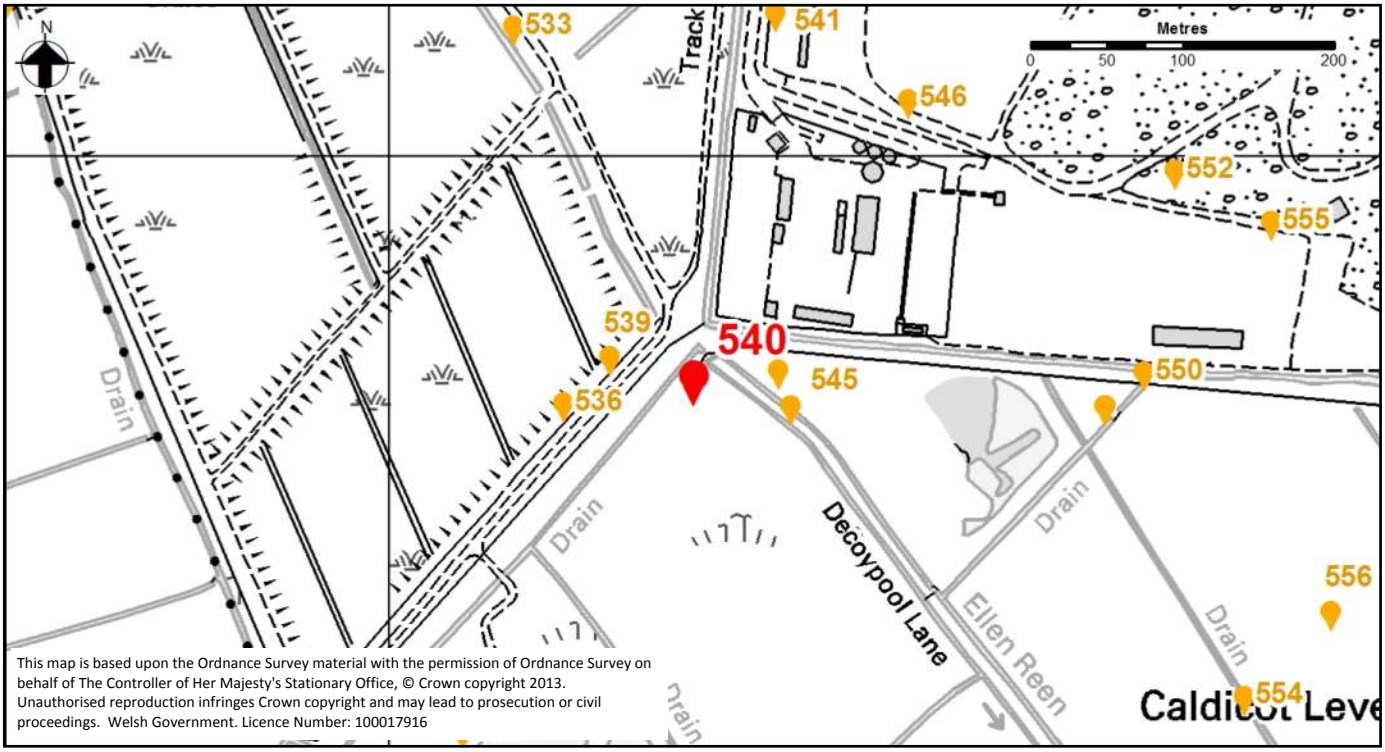

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	541	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Planted birch trees adjacent to access track

Potential for Protected Species:

Target Note Location Map:

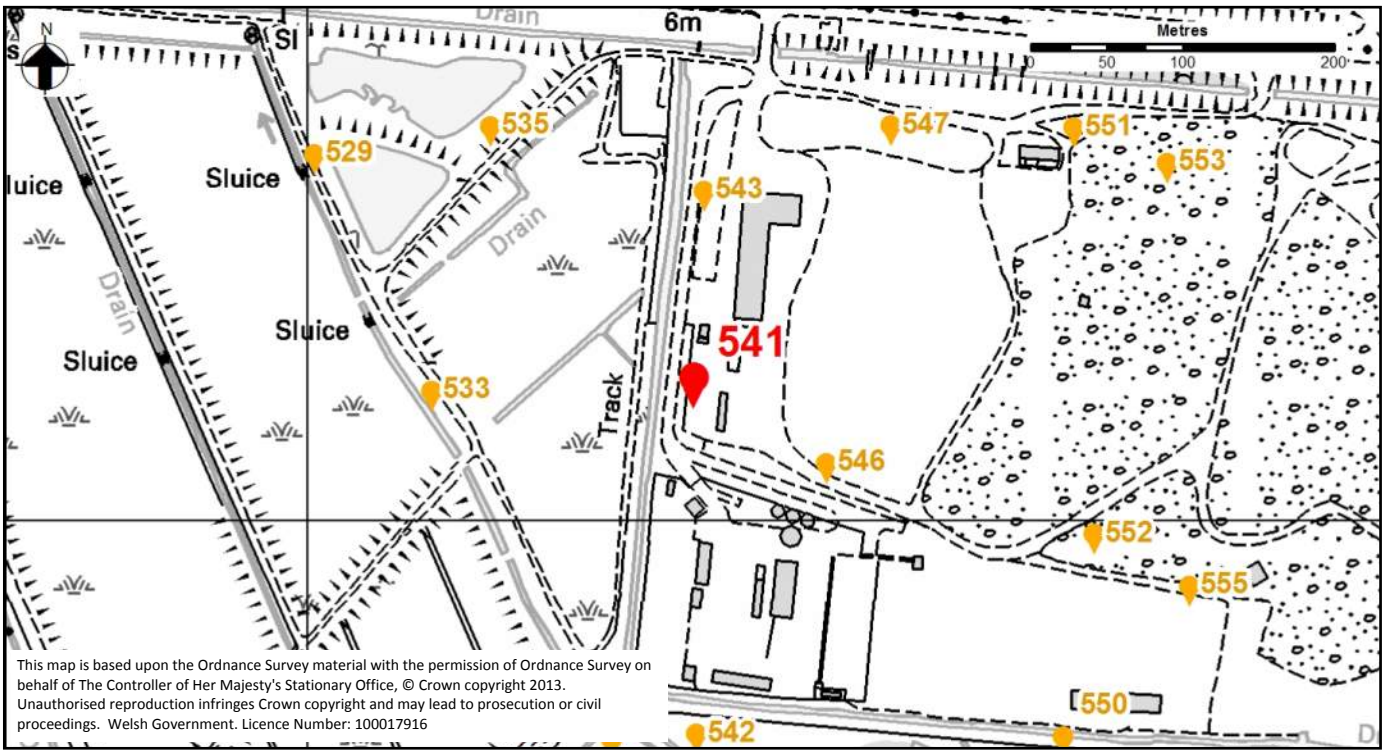

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	542	Date:	02-04-2014 11:26	GPS:	51.57, -2.92

Dominant Habitats:

Reedbed

Potential for Protected Species:

Target Note:

Mammal pathway in reeds

Target Note Location Map:

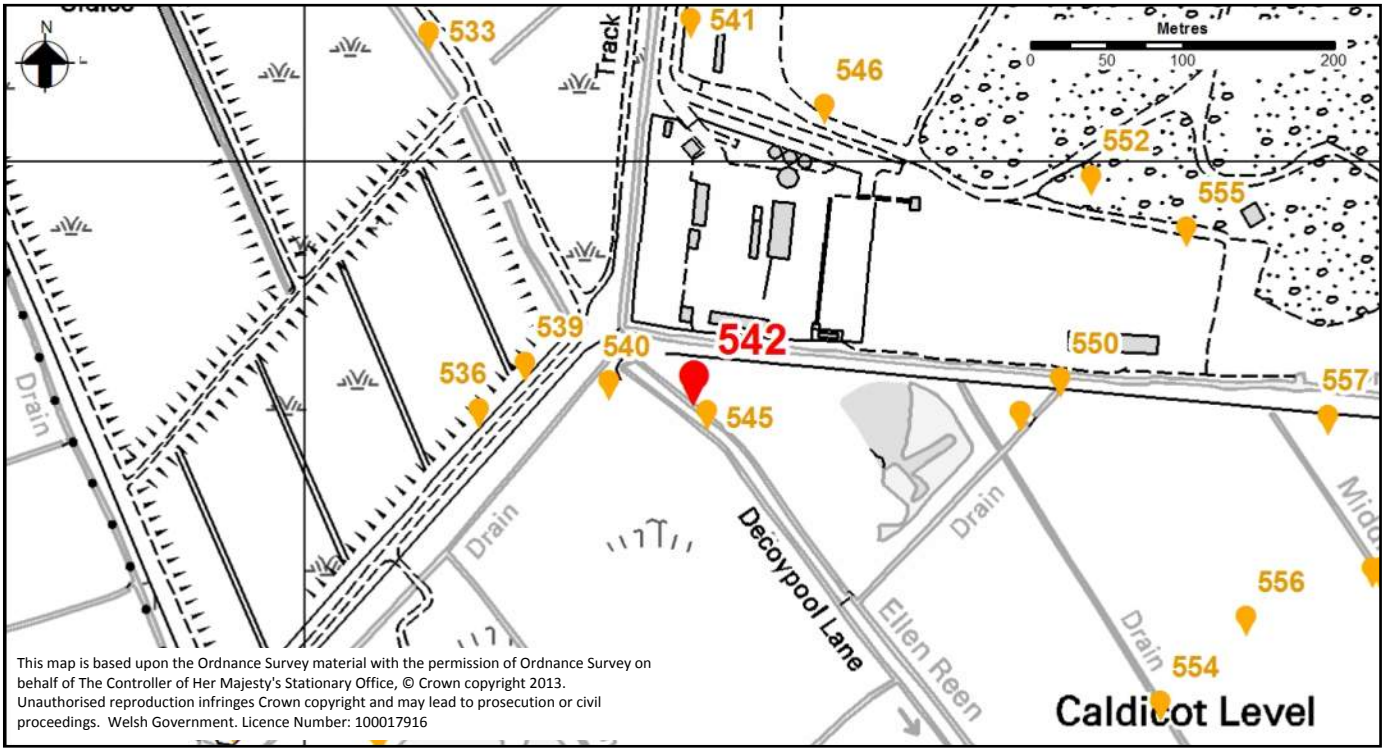

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	543	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Planted hedgerow adjacent to track. Hawthorn, blackthorn, bramble.

Potential for Protected Species:

Target Note Location Map:

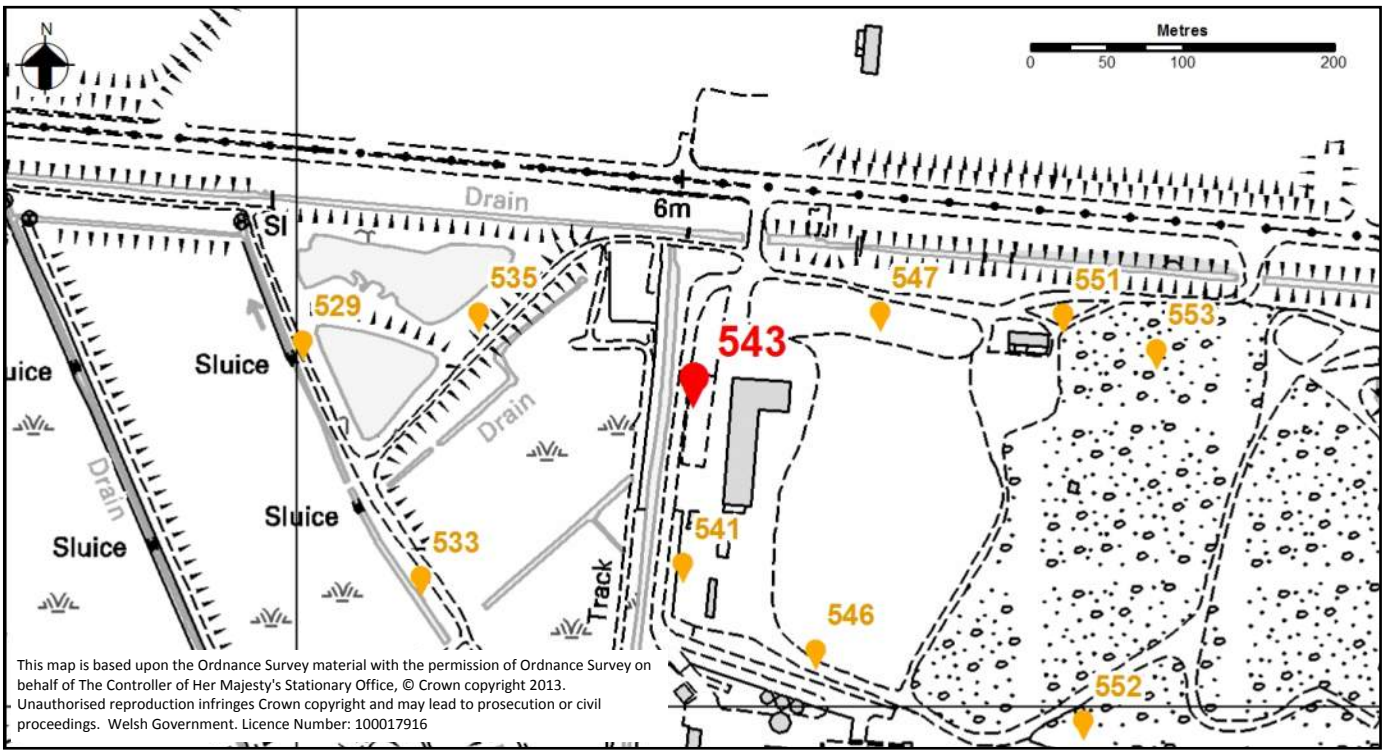

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	545	Date:	02-04-2014	GPS:	51.57, -2.92

Dominant Habitats:

Marsh/Marshy Grassland

Target Note:

Grass track alongside reen. Species present include meadow sweet, ribwort plantain, yellow flag iris, sedge species.

Potential for Protected Species:

Target Note Location Map:

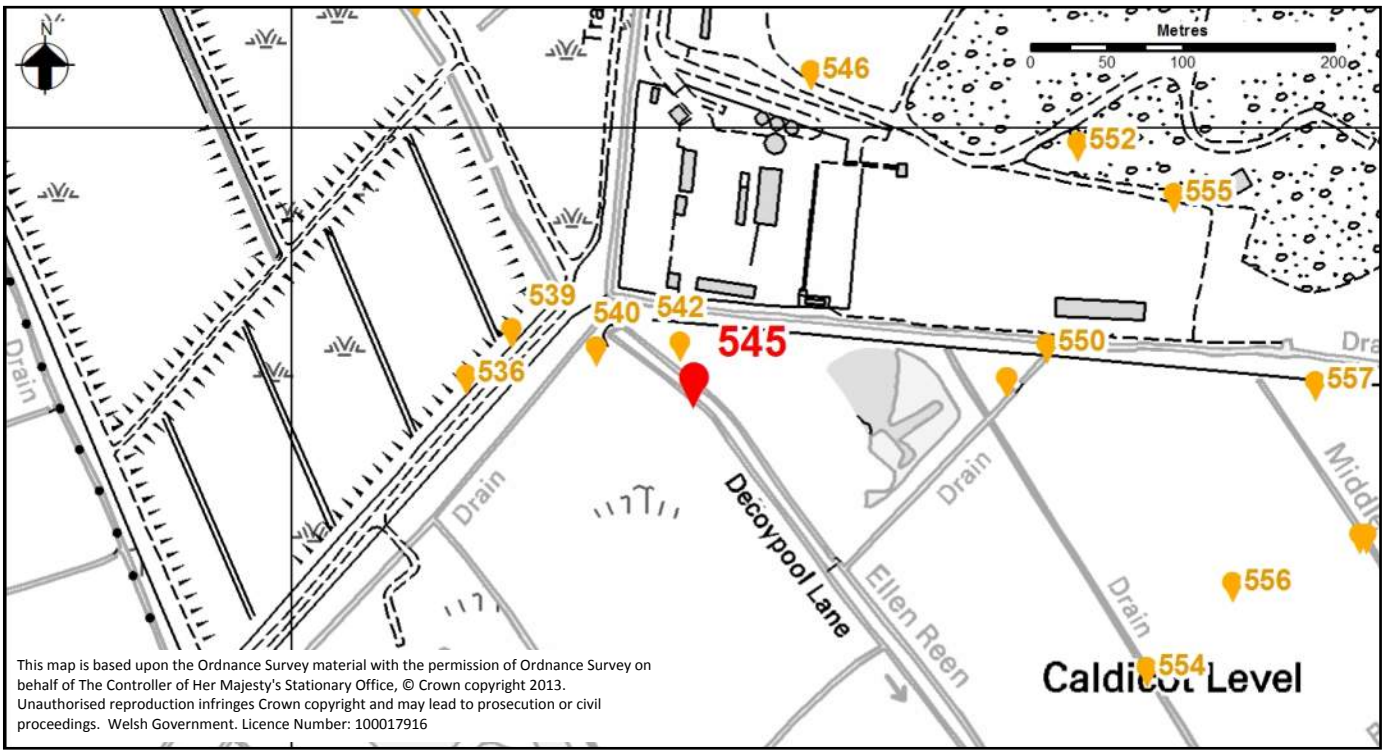

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	546	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Scattered scrub, buddleia & tall ruderals.

Potential for Protected Species:

Target Note Location Map:

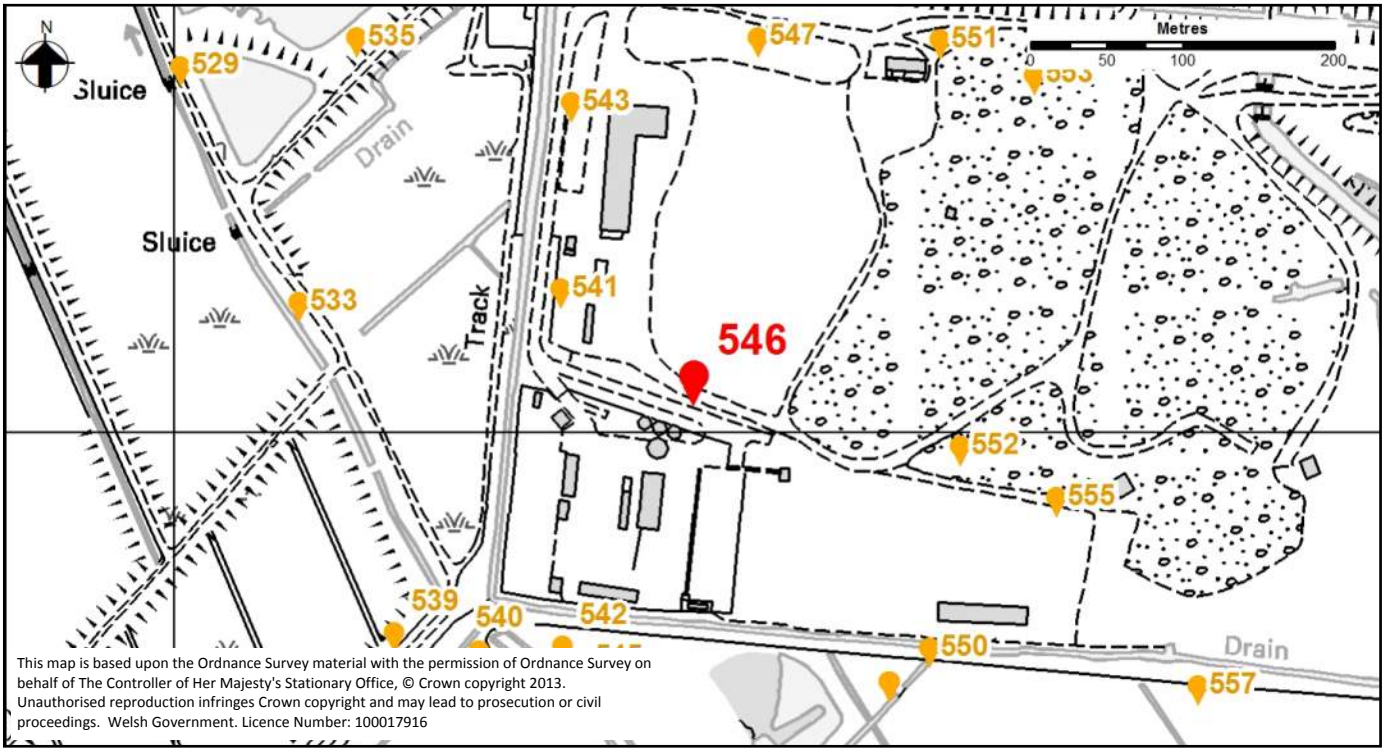

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	547	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Sambucus nigra (Elder), Buddleia, Rubus fruticosus (Bramble).

Potential for Protected Species:

Target Note Location Map:

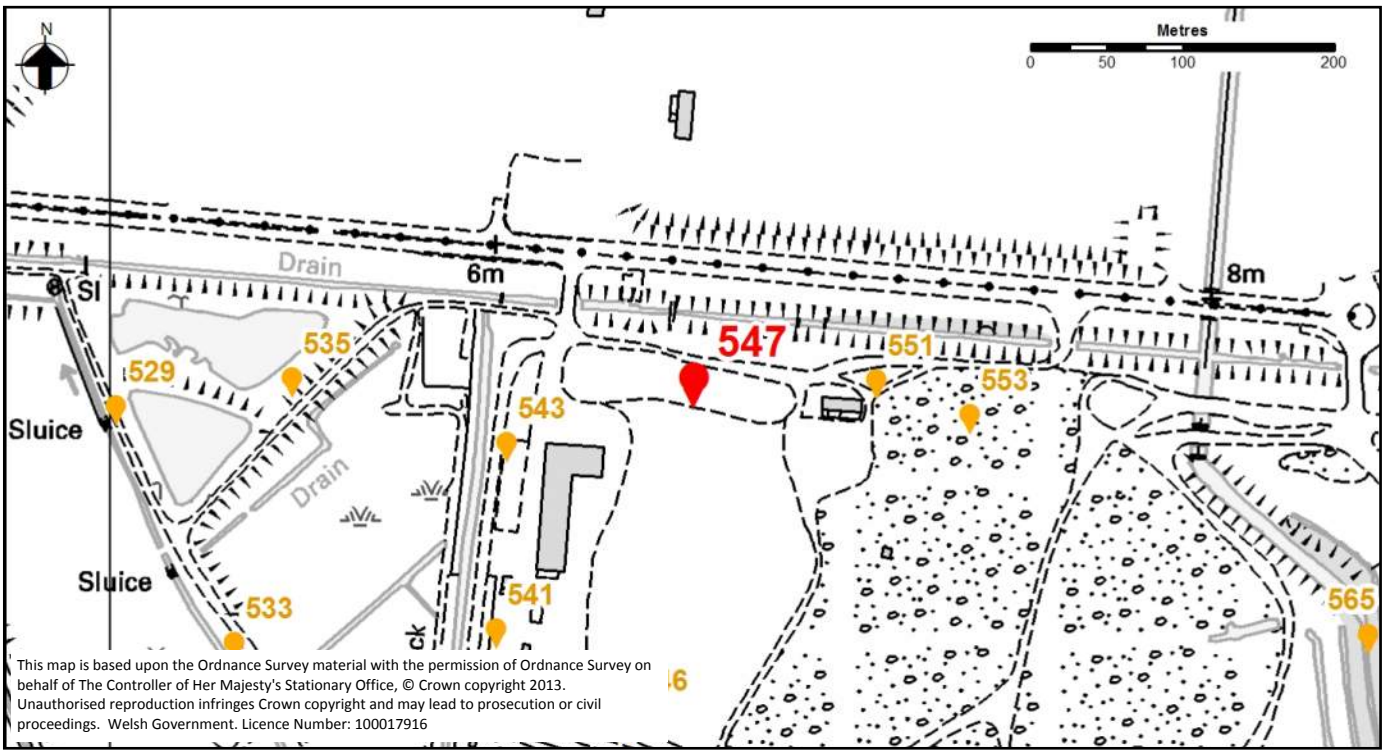

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	548	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Crack willow, dog rose; bramble scrub

Potential for Protected Species:

Target Note Location Map:

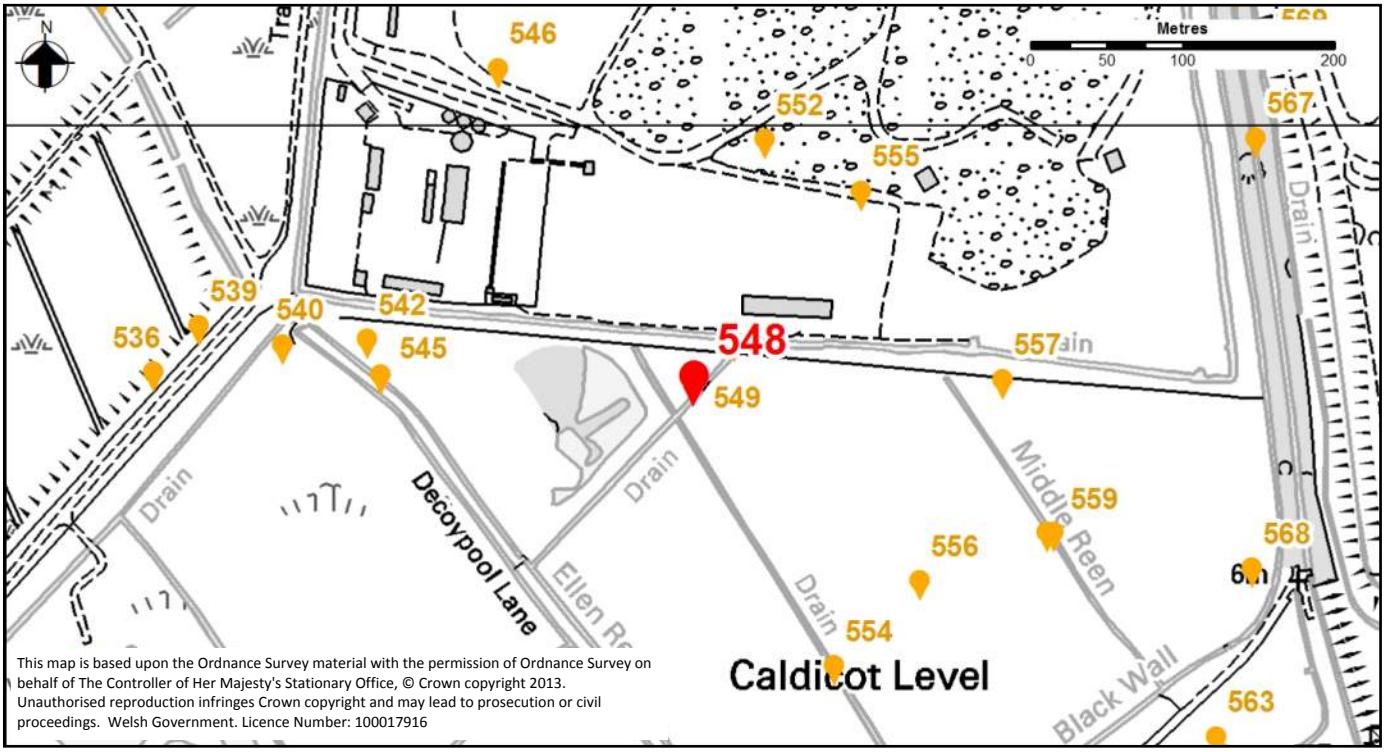

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	549	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Crack willow, dog rose, bramble scrub.

Potential for Protected Species:

Target Note Location Map:

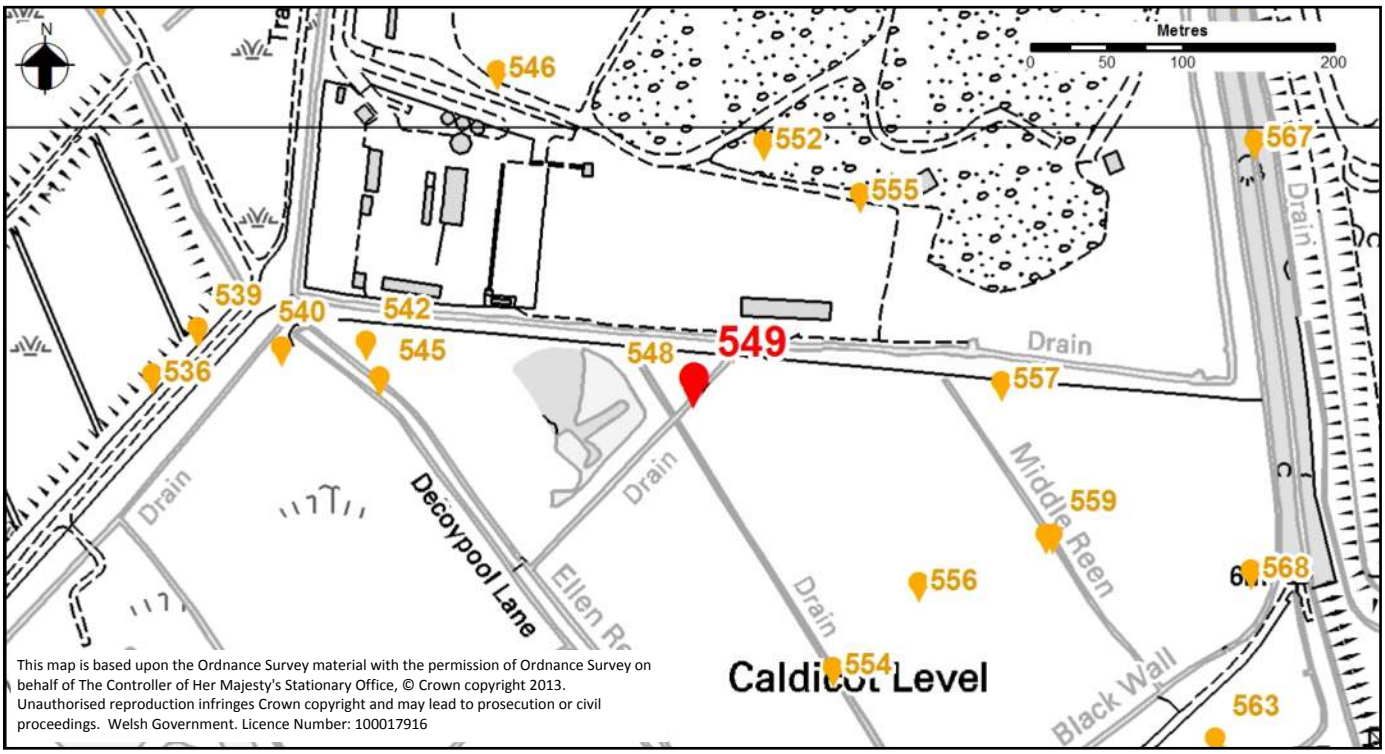

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	550	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Goat willow, buddleia, nettles on manmade earth bank.

Potential for Protected Species:

Target Note Location Map:

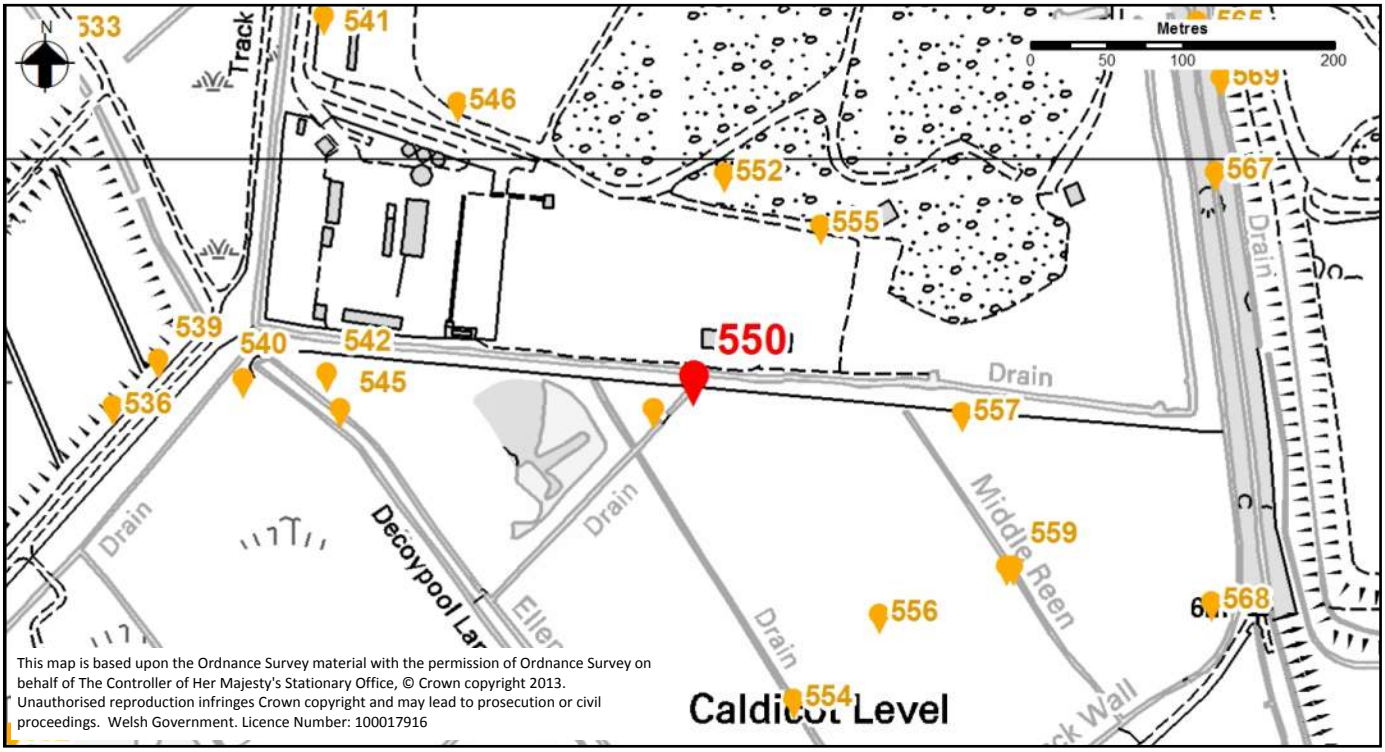

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	551	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Scrub, elder, buddleia, bramble.

Potential for Protected Species:

Target Note Location Map:

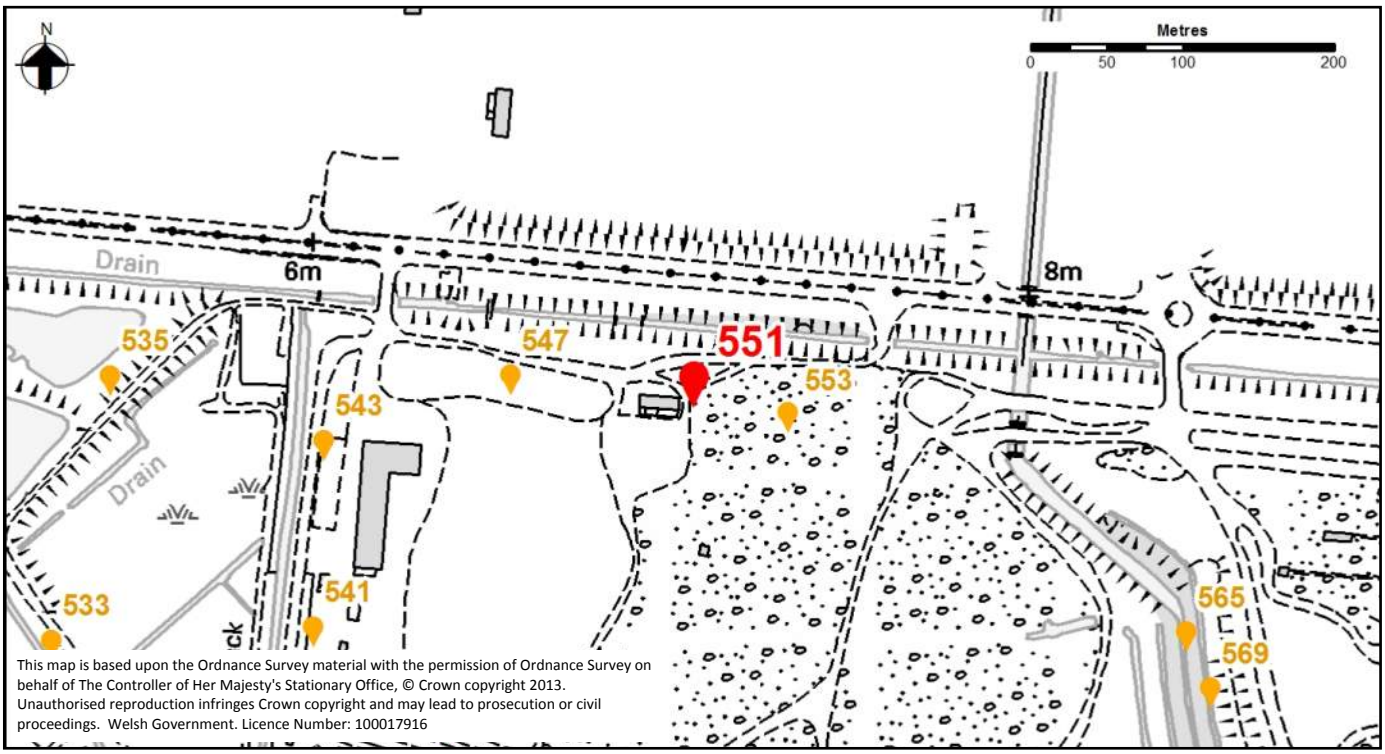

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	552	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Buddleia, tall ruderals

Potential for Protected Species:

Target Note Location Map:

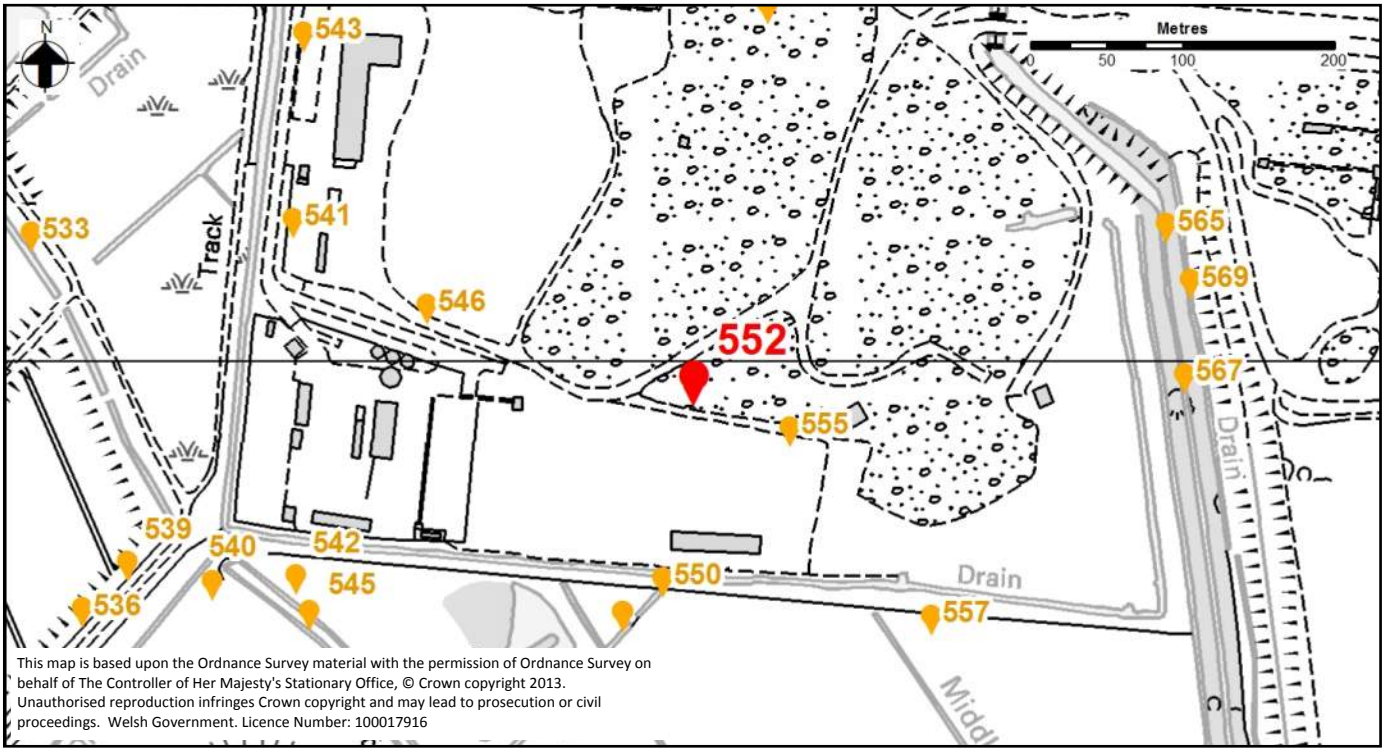

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	553	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Scrub, elder, buddleia, bramble

Potential for Protected Species:

Target Note Location Map:

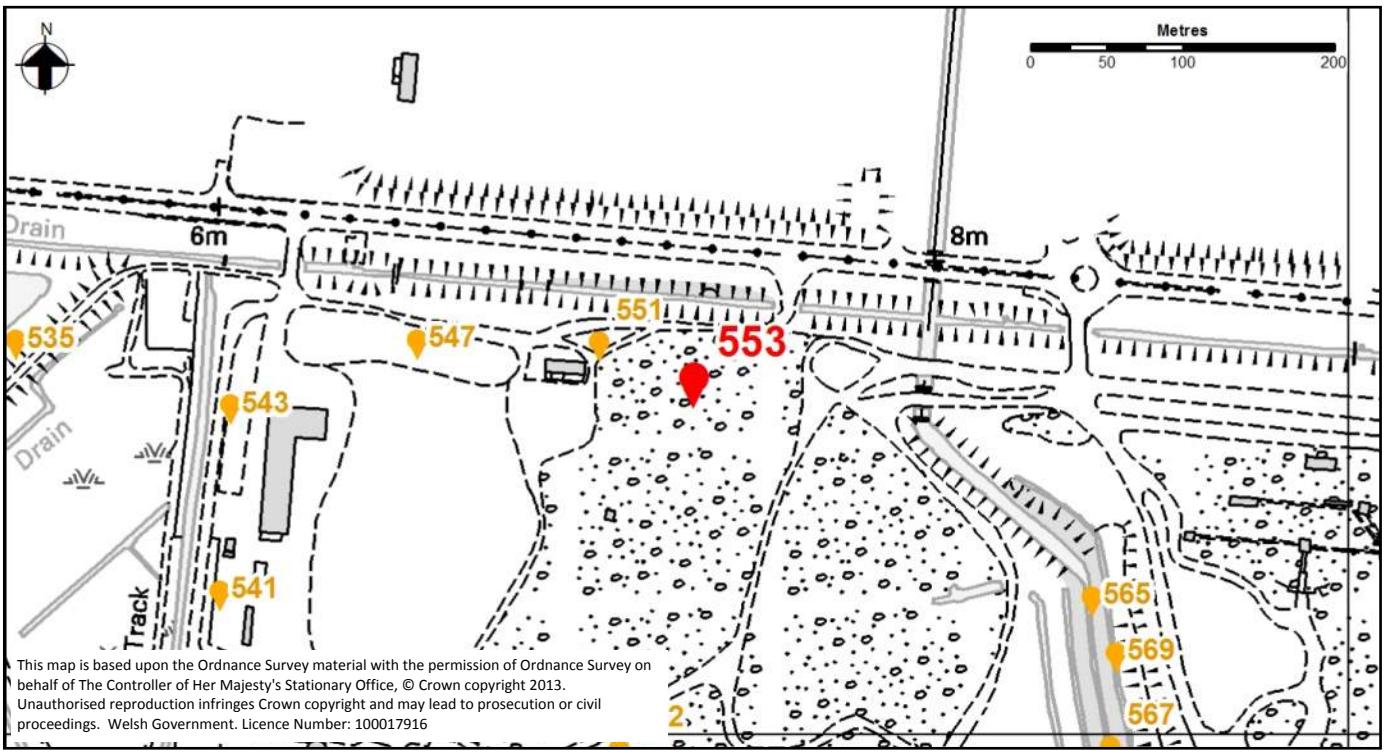

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	554	Date:	28-10-2014	GPS:	51.57, -2.92

Dominant Habitats:

Marshy grassland, scattered broadleaved woodland, dense scrub, ditch

Potential for Protected Species:

Amphibians

Target Note:

Common frog disturbed

Target Note Location Map:

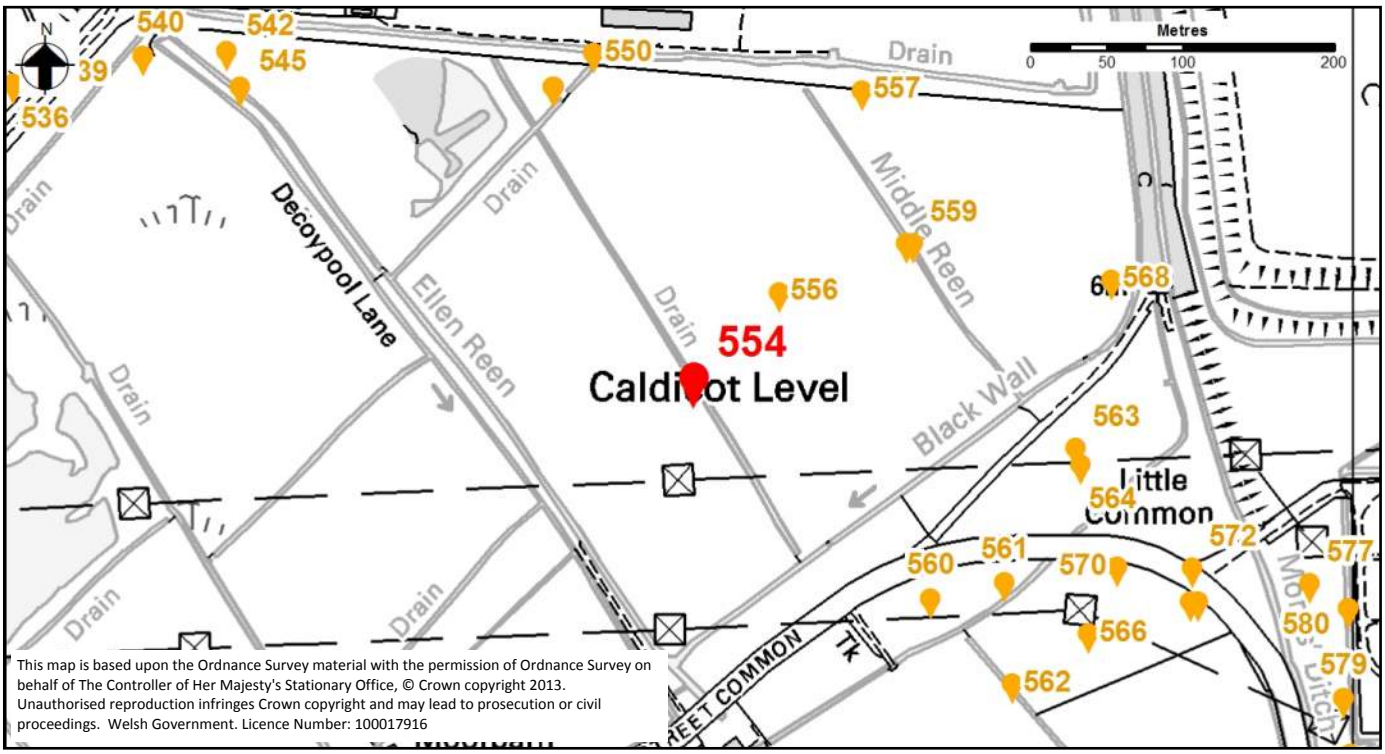

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	555	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Scattered scrub. Buddleia.

Potential for Protected Species:

Target Note Location Map:

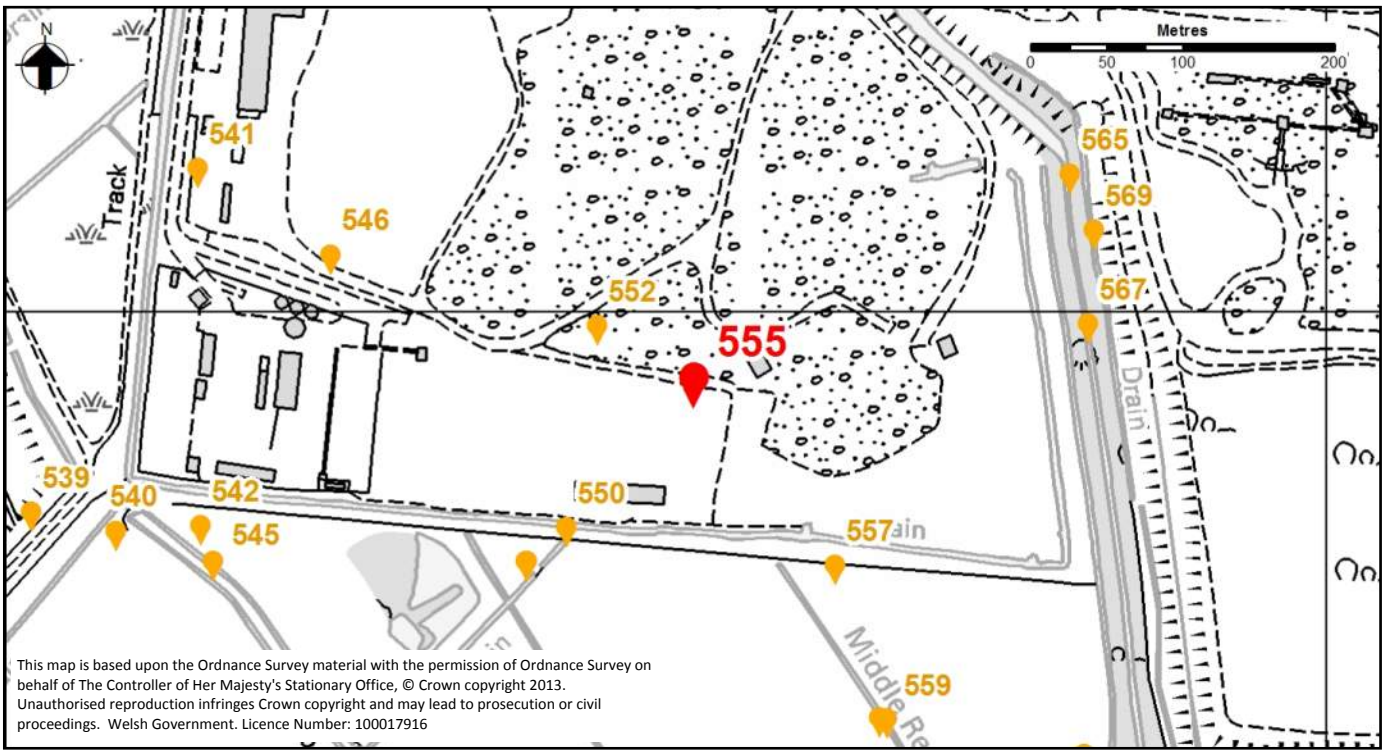

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	556	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Damp, Juncus (hard rush, soft rush)

Potential for Protected Species:

Target Note Location Map:

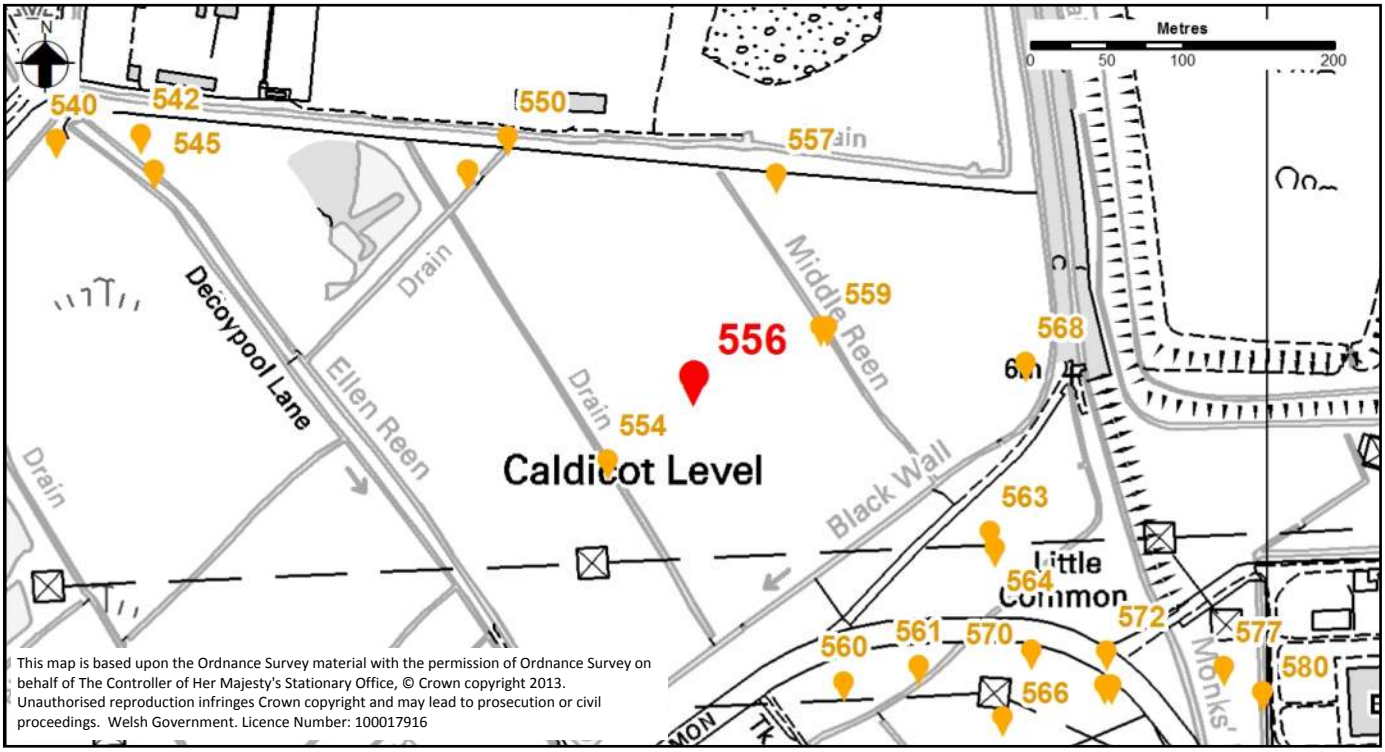

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	557	Date:		GPS:	51.57, -2.92

Dominant Habitats:

Target Note:

Willow species, hawthorn, dog rose, bramble scrub

Potential for Protected Species:

Target Note Location Map:

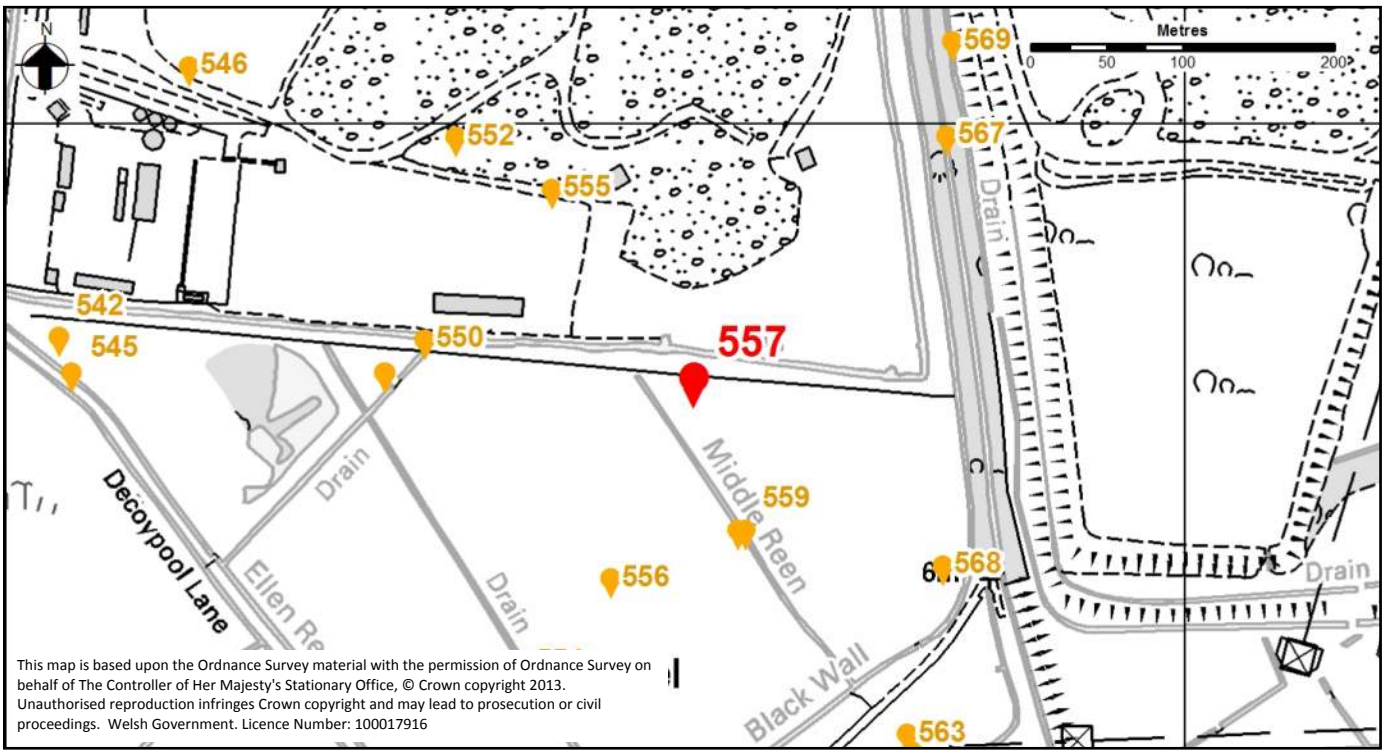

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	558	Date:		GPS:	51.57, -2.91

Dominant Habitats:

Target Note:

Hawthorn, bramble, dog rose.

Potential for Protected Species:

Target Note Location Map:

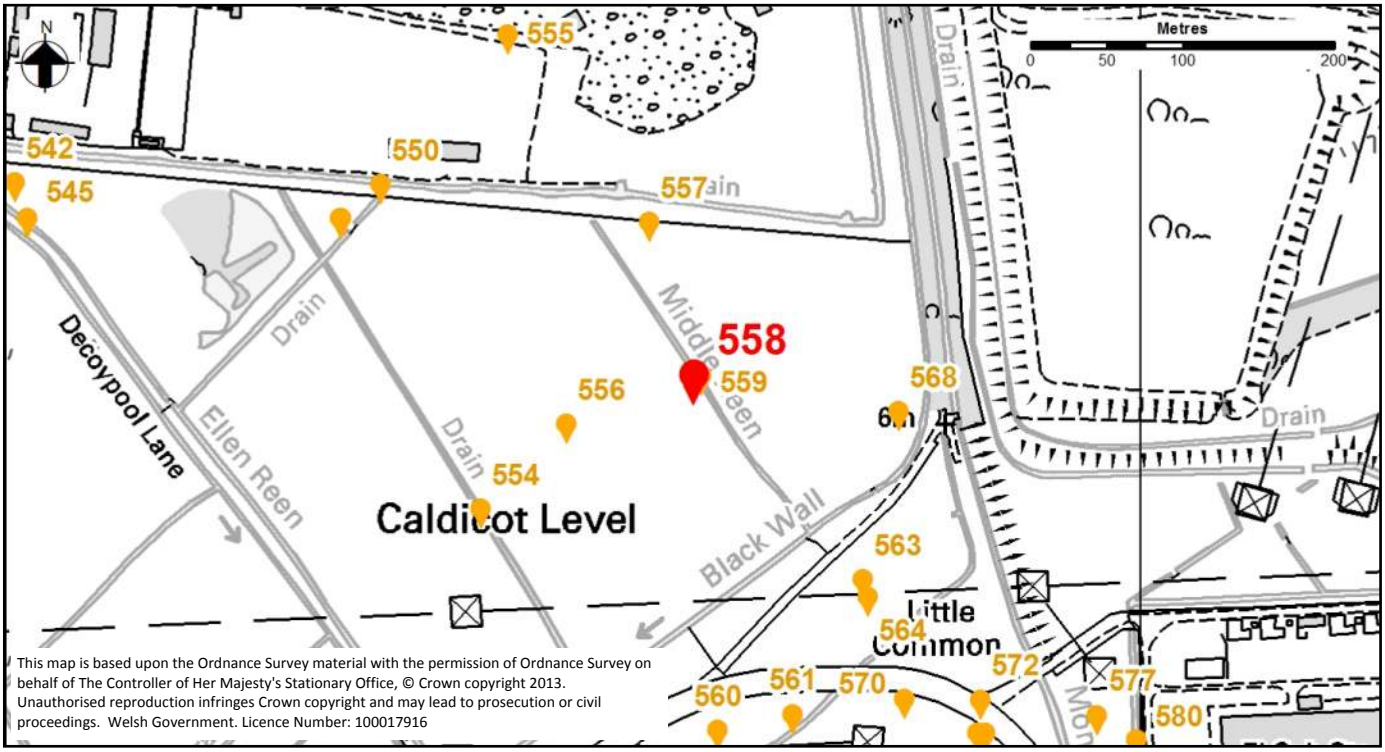

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	559	Date:		GPS:	51.57, -2.91

Dominant Habitats:

Target Note:

Duck weed, macrophytes

Potential for Protected Species:

Target Note Location Map:

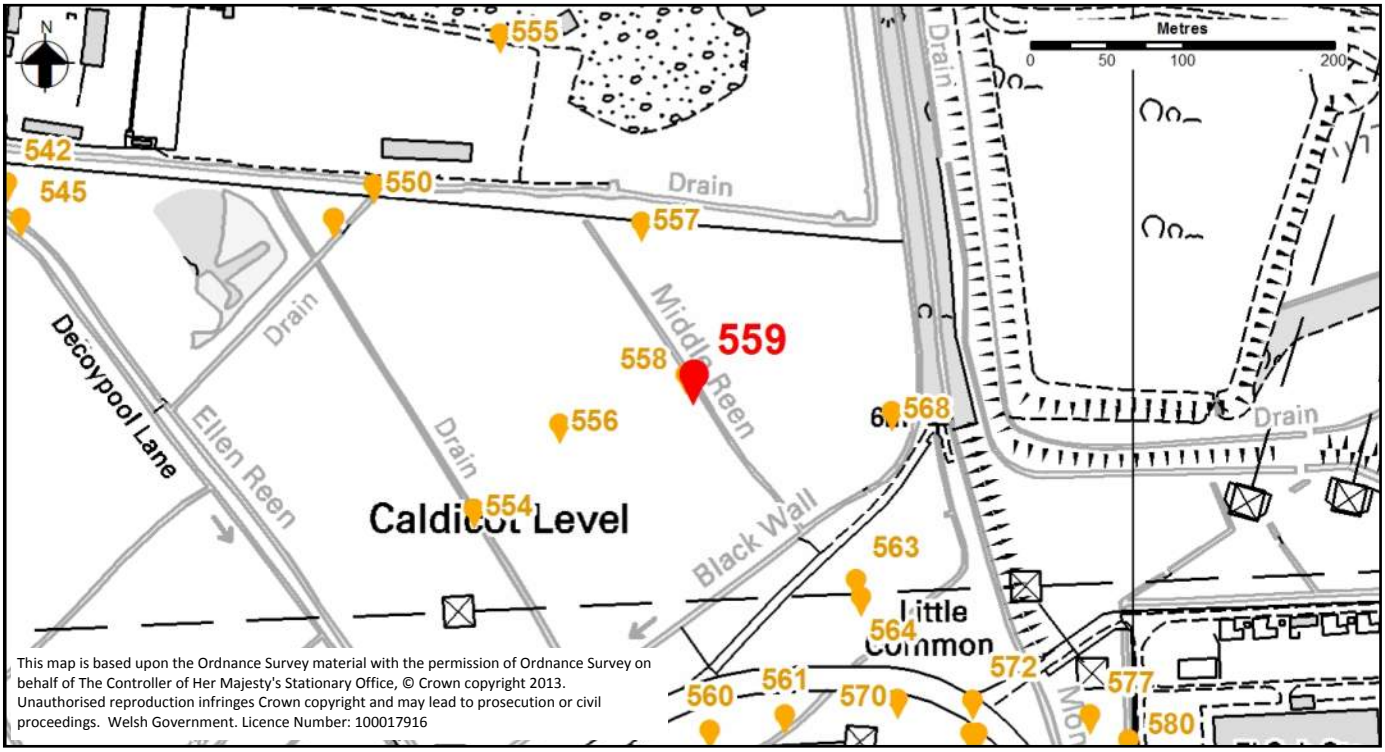

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	560	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Buttercup, dock, cut hay field.

Potential for Protected Species:

Target Note Location Map:

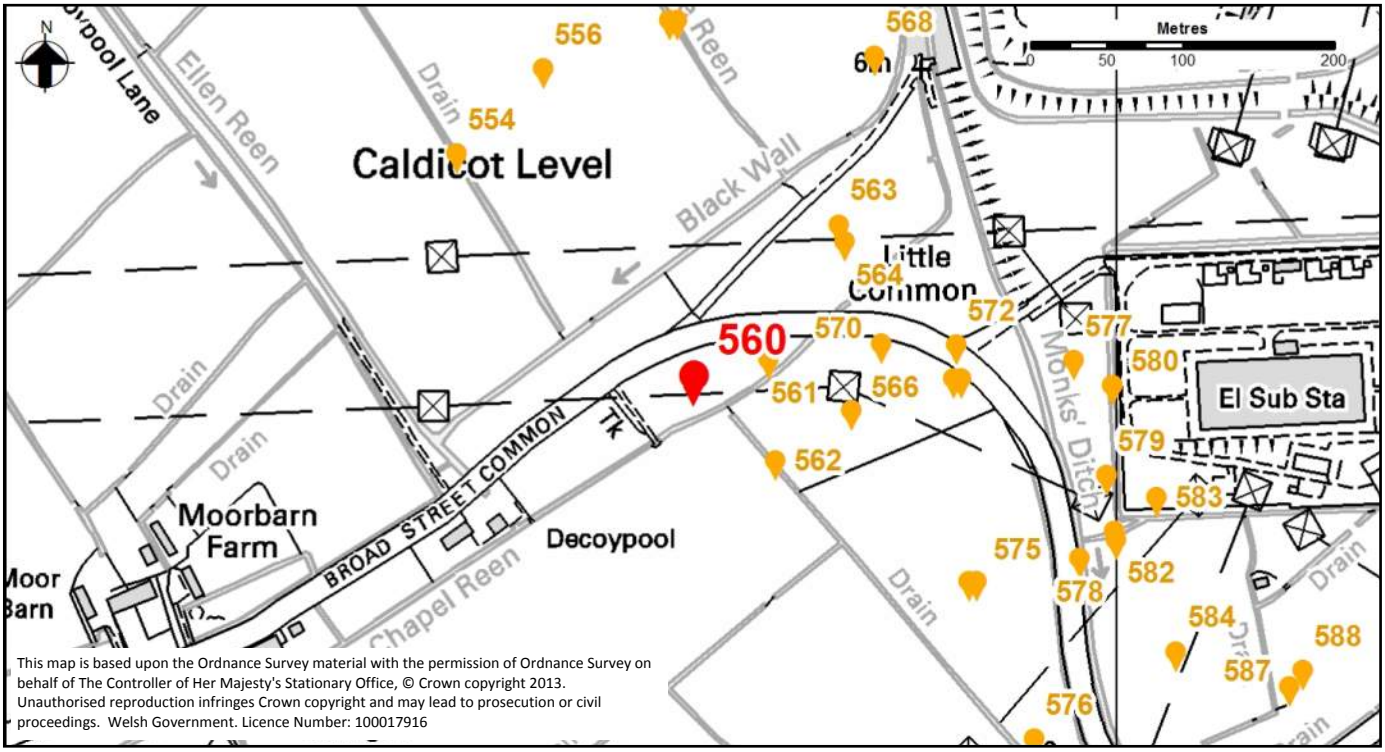

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	561	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Crack willow, hawthorn, hazel

Potential for Protected Species:

Target Note Location Map:

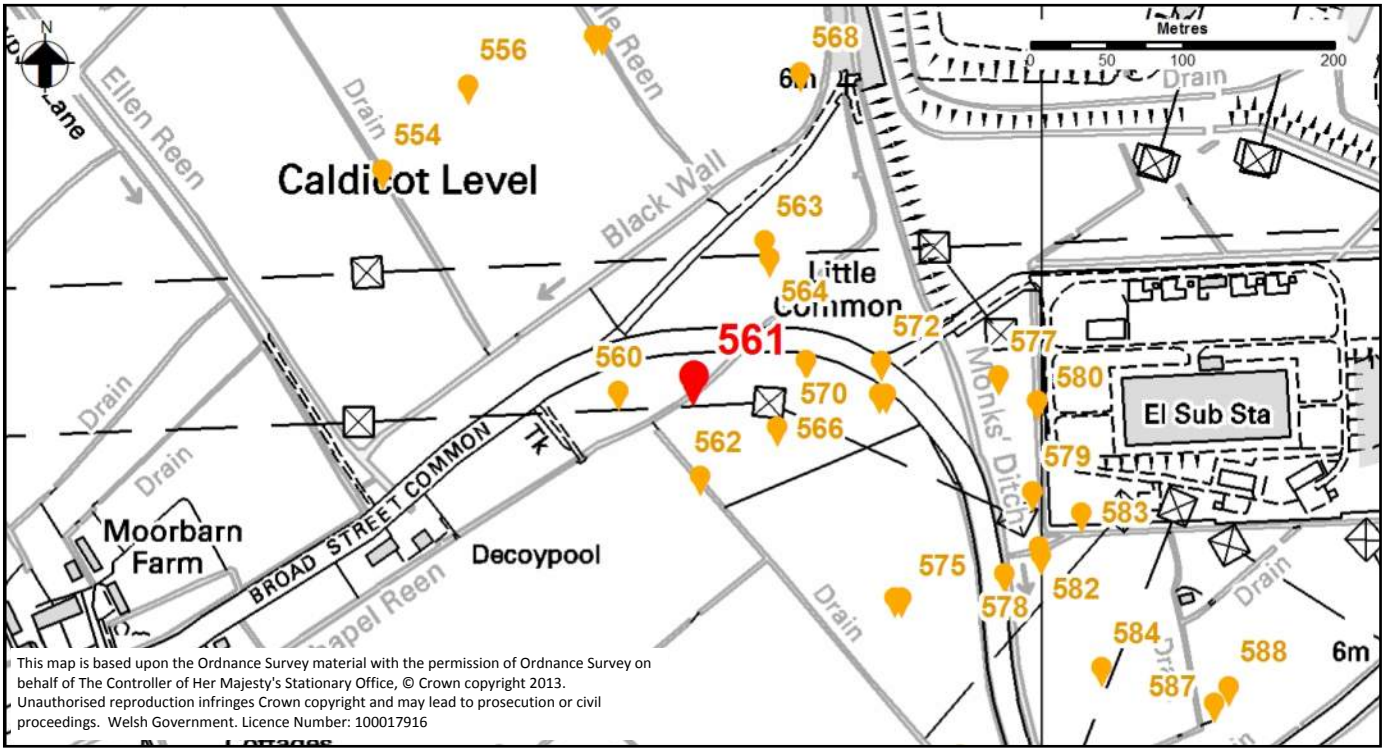

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	562	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Bramble, dog rose, hawthorn

Potential for Protected Species:

Target Note Location Map:

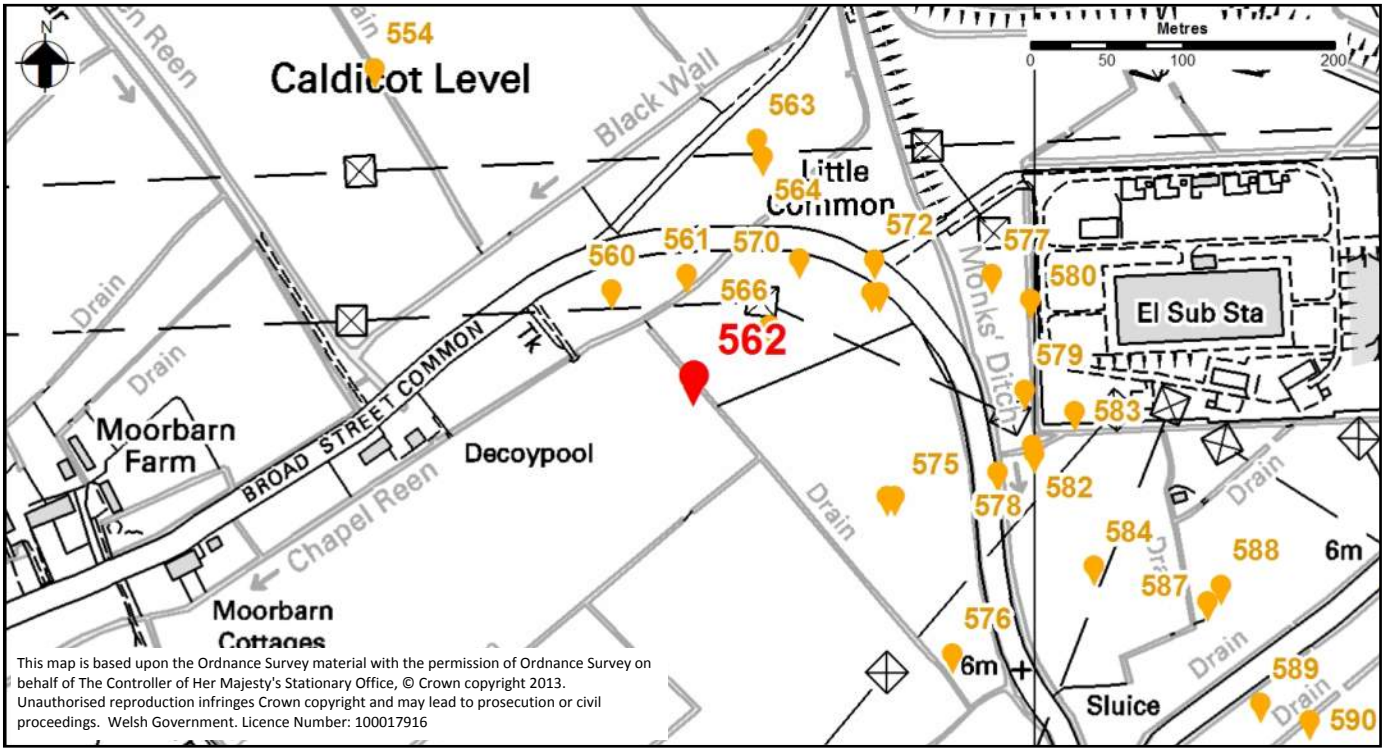

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	563	Date:		GPS:	51.57, -2.91

Dominant Habitats:

Target Note:

Bramble scrub, willowherb sp. and nettle.

Potential for Protected Species:

Target Note Location Map:

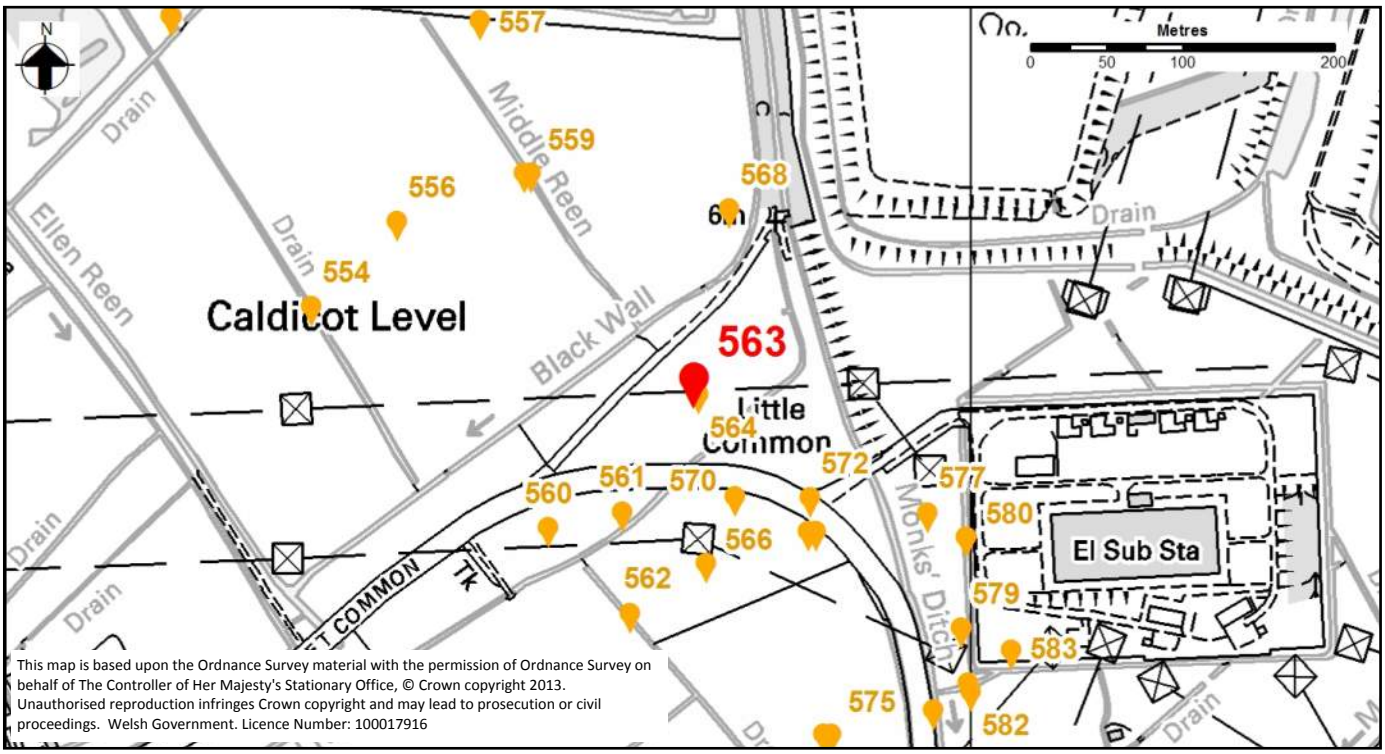

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	564	Date:		GPS:	51.57, -2.91

Dominant Habitats:

Target Note:

Bramble scrub; willow herb sp. and nettle.

Potential for Protected Species:

Target Note Location Map:

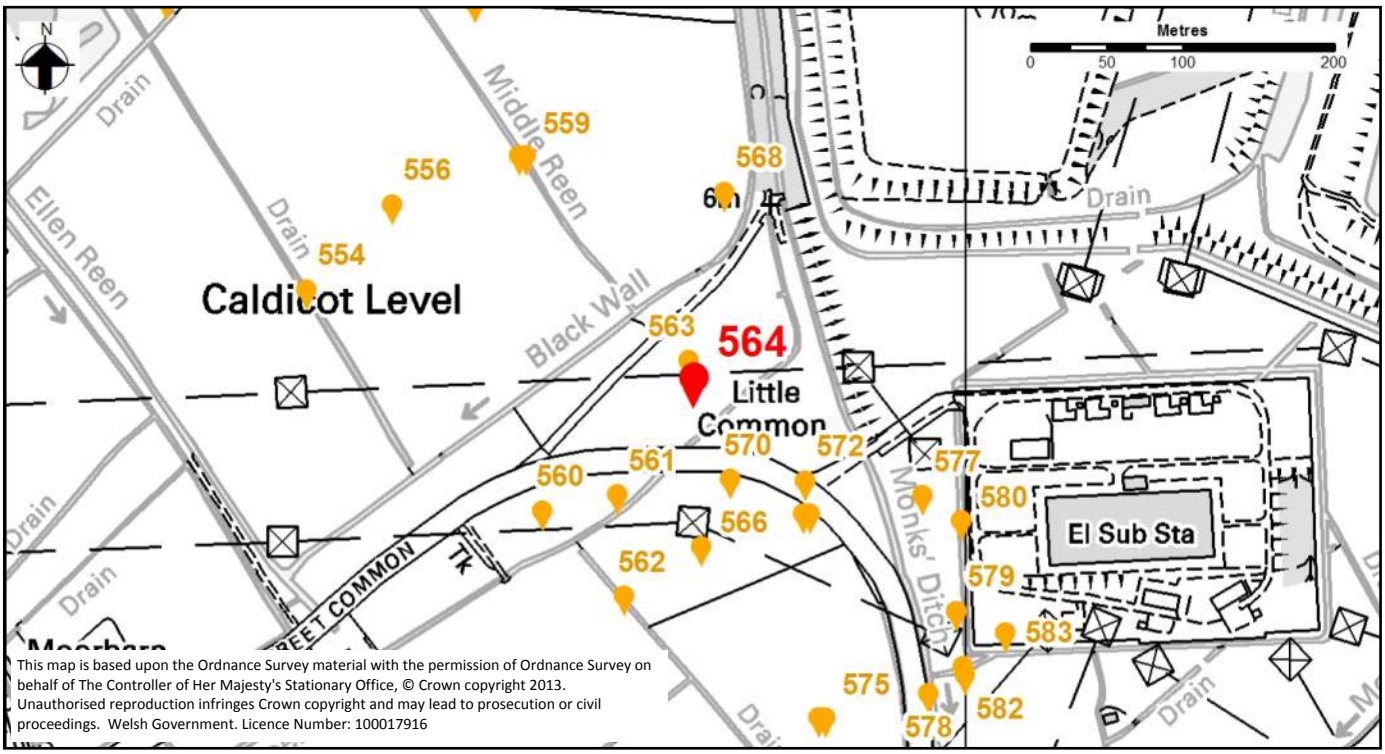

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	565	Date:	06-08-2014 12:15	GPS:	51.57, -2.91

Dominant Habitats:

Scrub

Target Note:

5 mallards sighted

Potential for Protected Species:

Target Note Location Map:

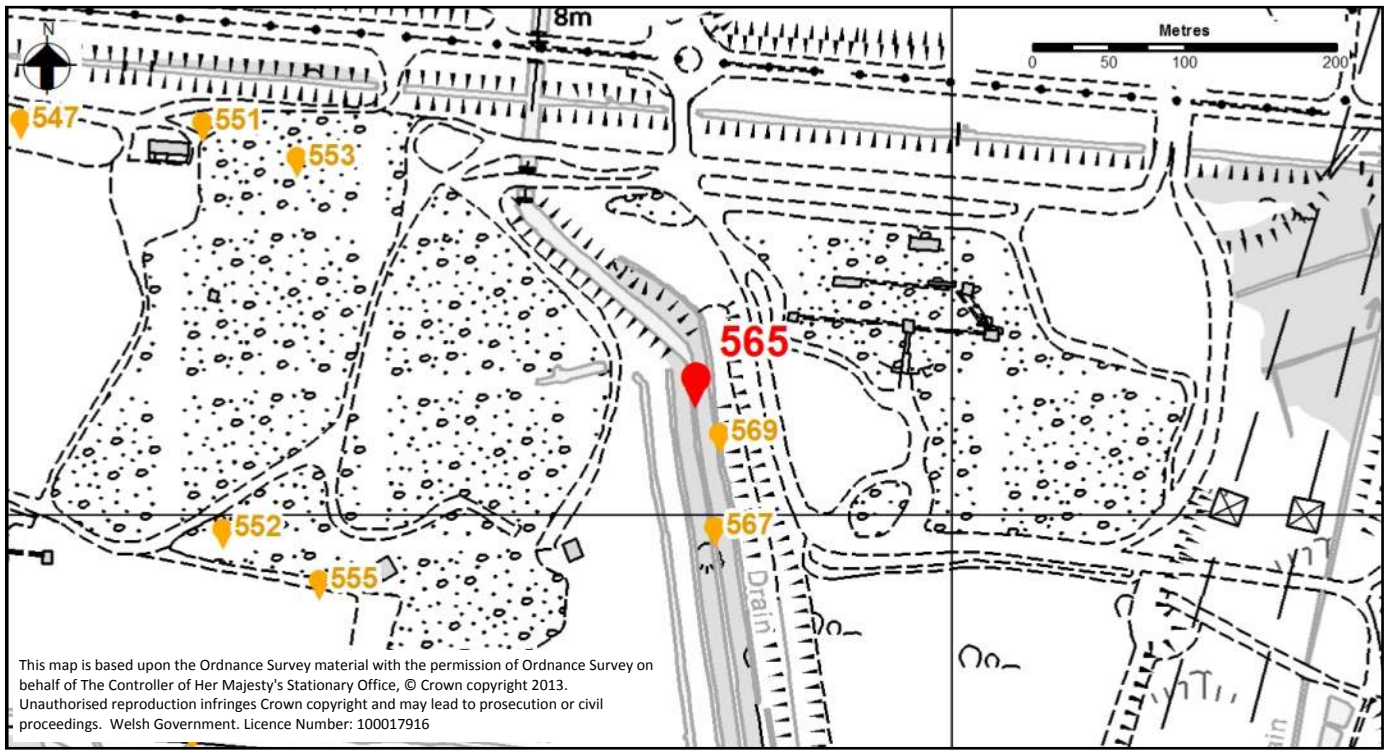

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	566	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Hard rush, soft rush

Potential for Protected Species:

Target Note Location Map:

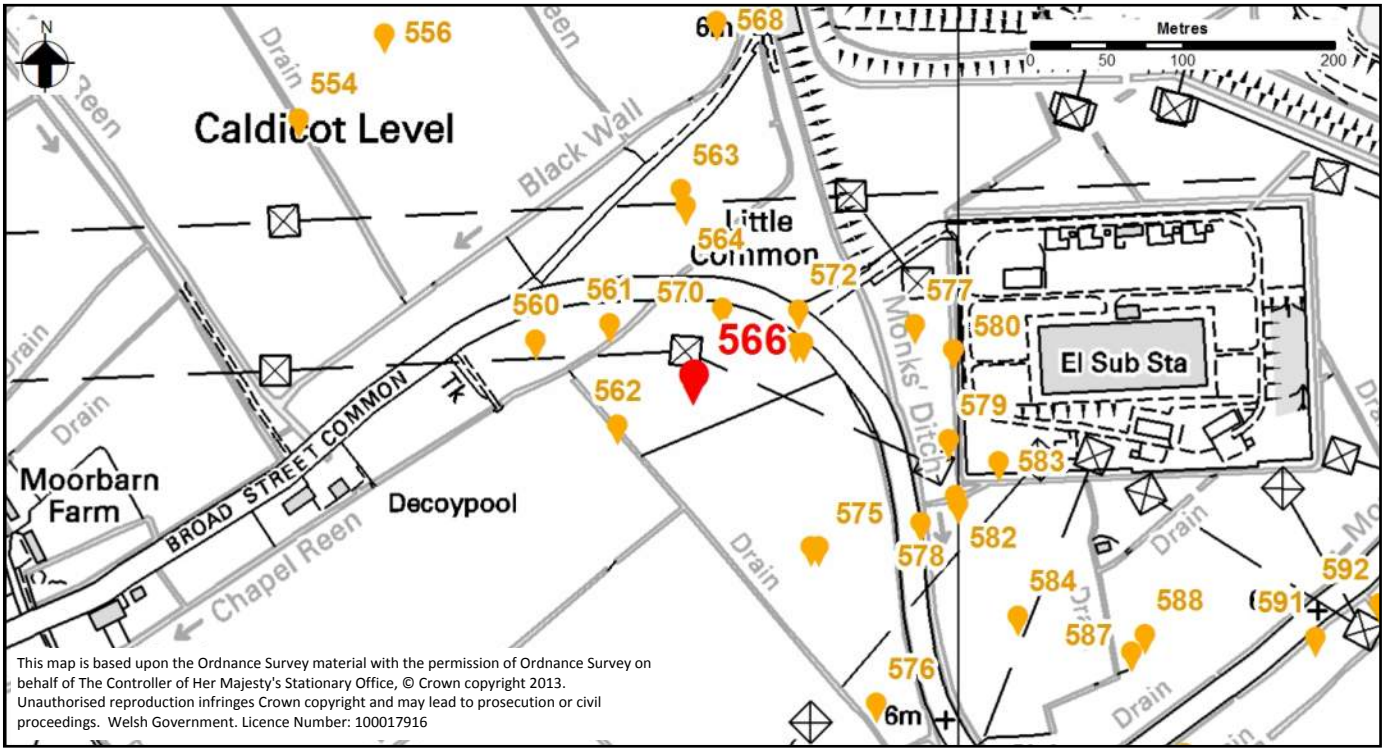

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	567	Date:	06-08-2014	GPS:	51.57, -2.91

Dominant Habitats:

Scrub, reen

Target Note:

Himalayan balsam in ditch

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

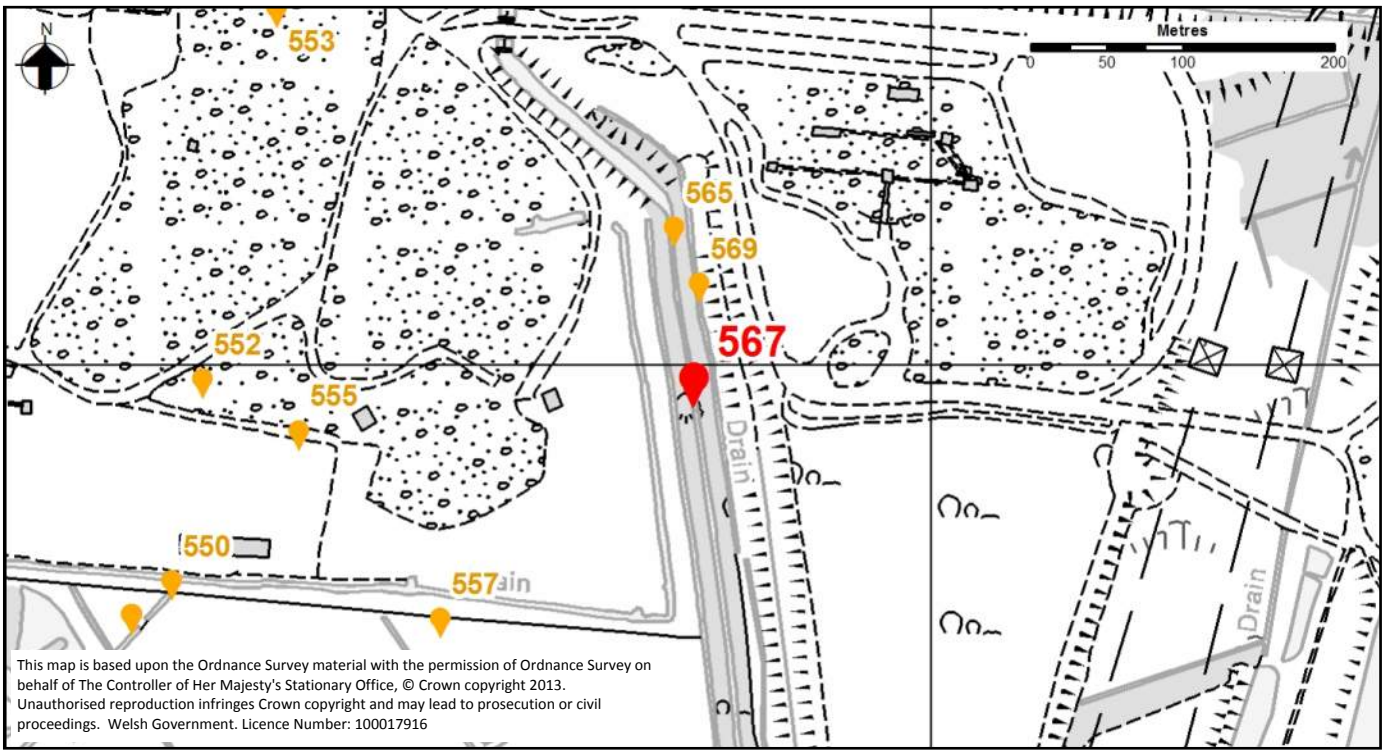

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	568	Date:		GPS:	51.57, -2.91

Dominant Habitats:

Target Note:

Ash dominated, scattered bramble present

Potential for Protected Species:

Target Note Location Map:

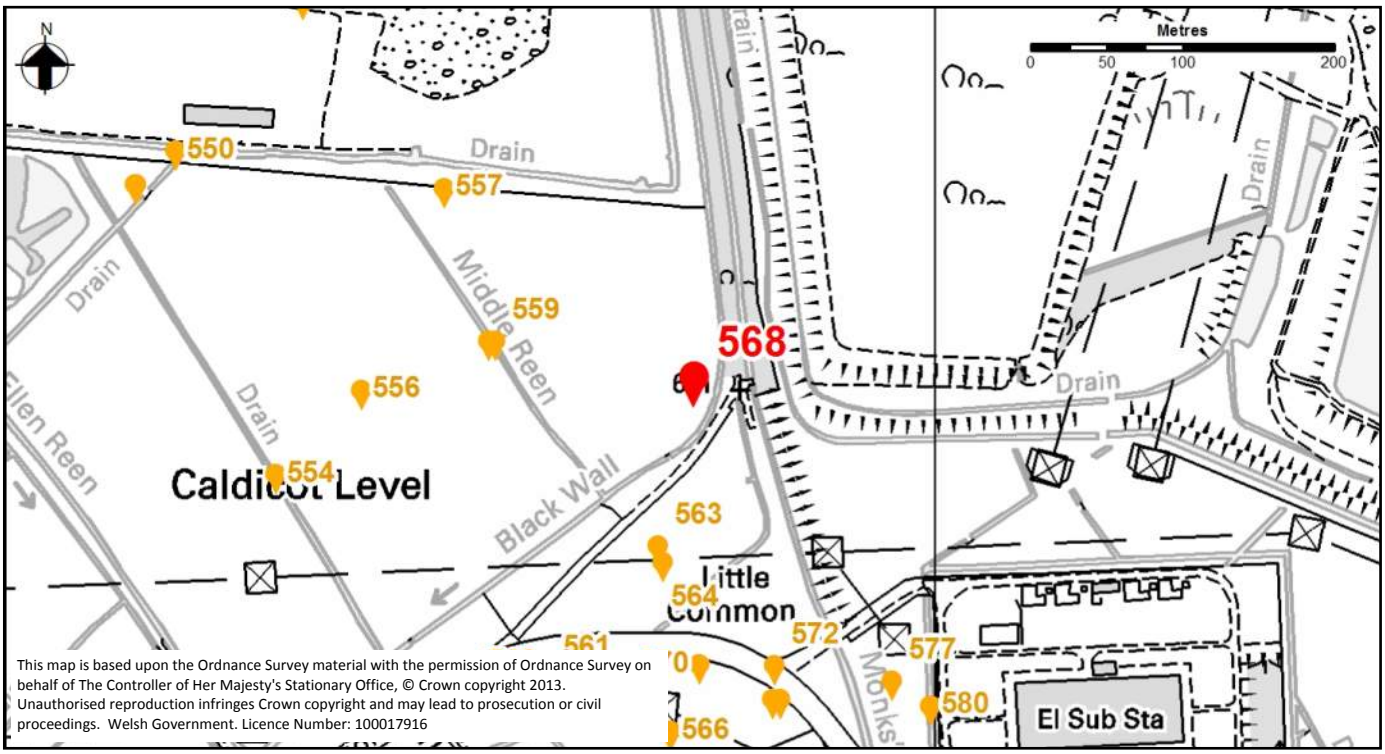

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	569	Date:		GPS:	51.57, -2.91

Dominant Habitats:

Target Note:

Tall ruderals, birch, buddleia, crack willow.

Potential for Protected Species:

Target Note Location Map:

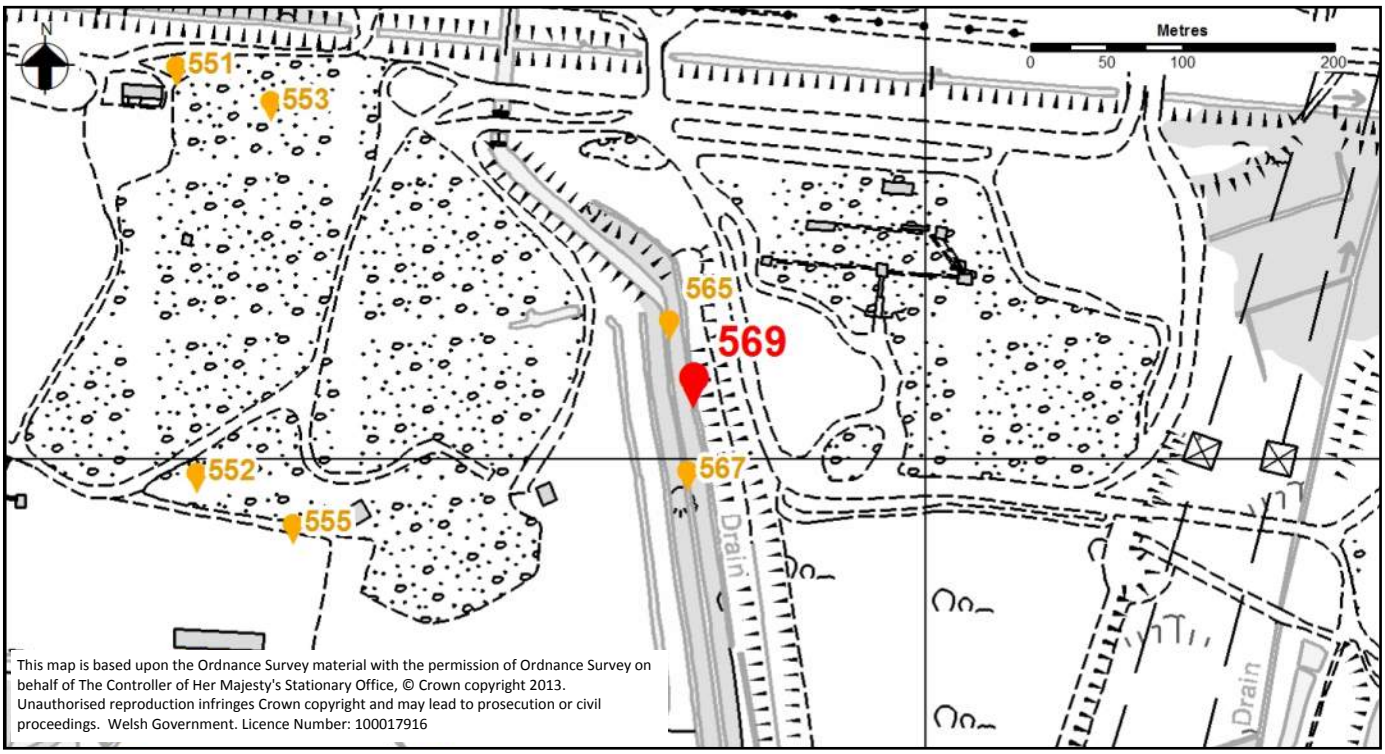

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	570	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Crack willow trees, bramble and Phragmites

Potential for Protected Species:

Target Note Location Map:

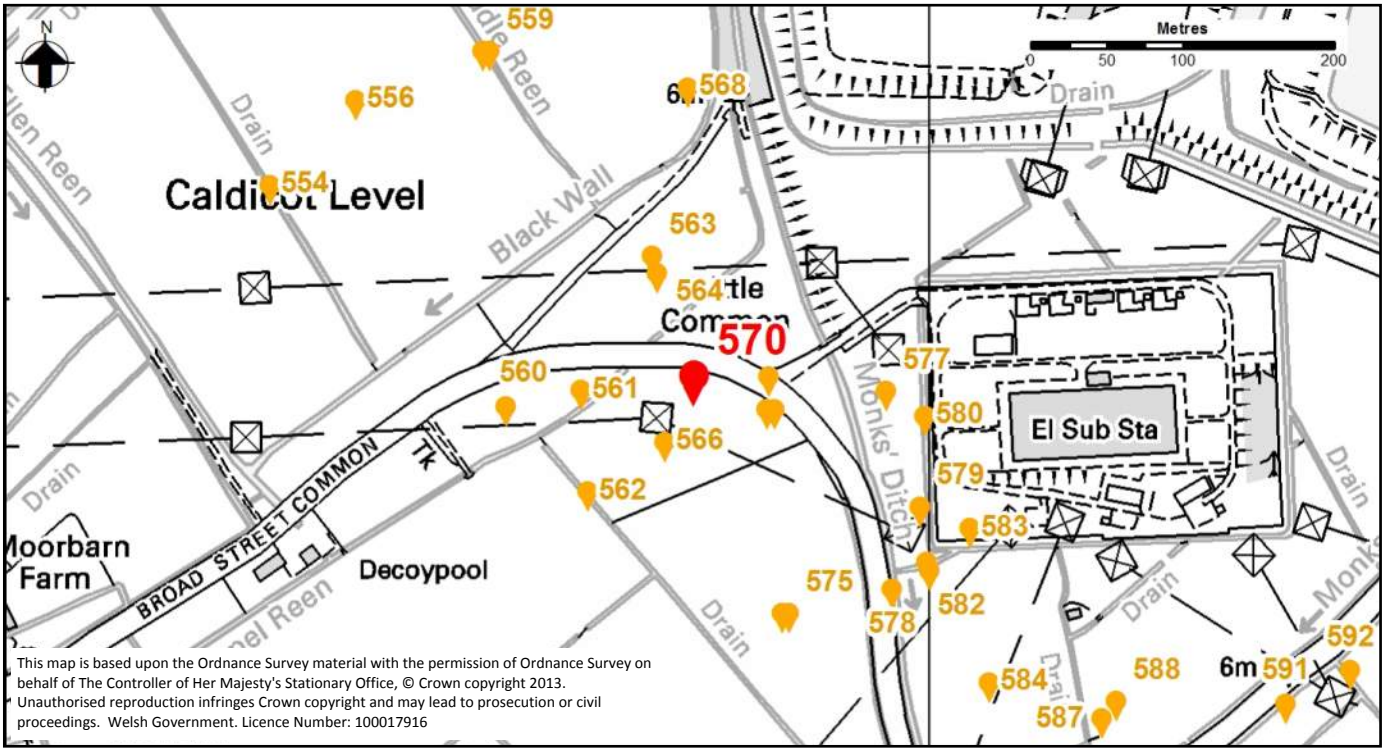

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	571	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Bramble scrub, grey willow, crack willow, hawthorn.

Potential for Protected Species:

Target Note Location Map:

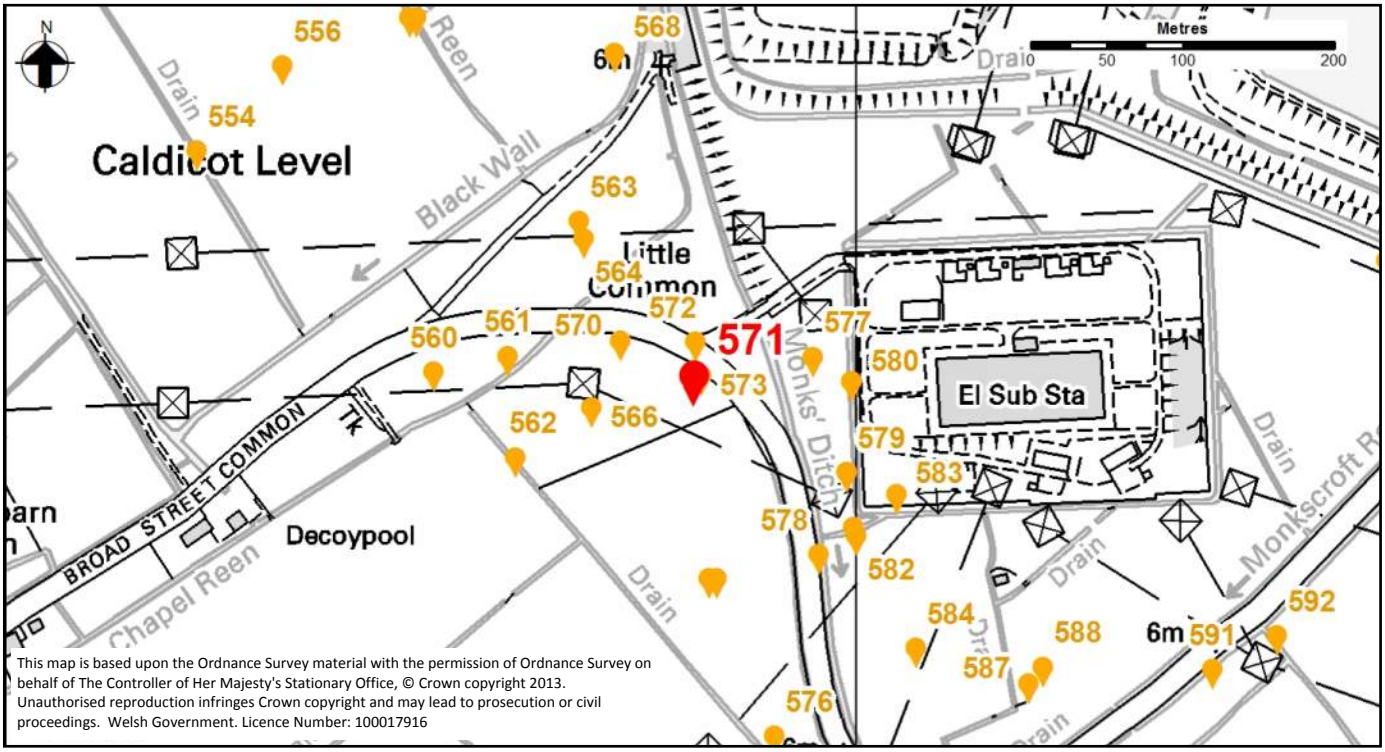

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	572	Date:	22-10-2014 10:58	GPS:	51.56, -2.91

Dominant Habitats:

Hedgerow

Target Note:

Japanese knotweed

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note Location Map:

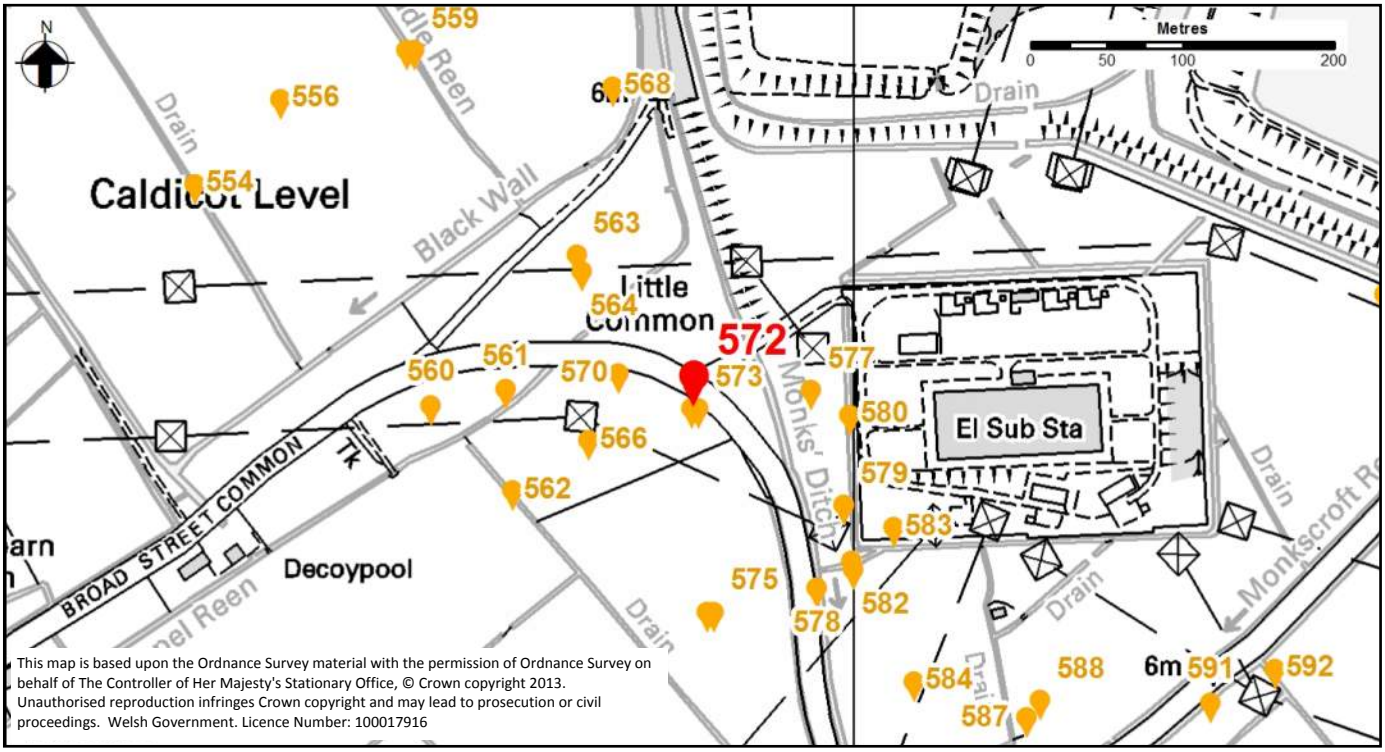

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	573	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Bramble scrub, goat willow, crack willow, hawthorn

Potential for Protected Species:

Target Note Location Map:

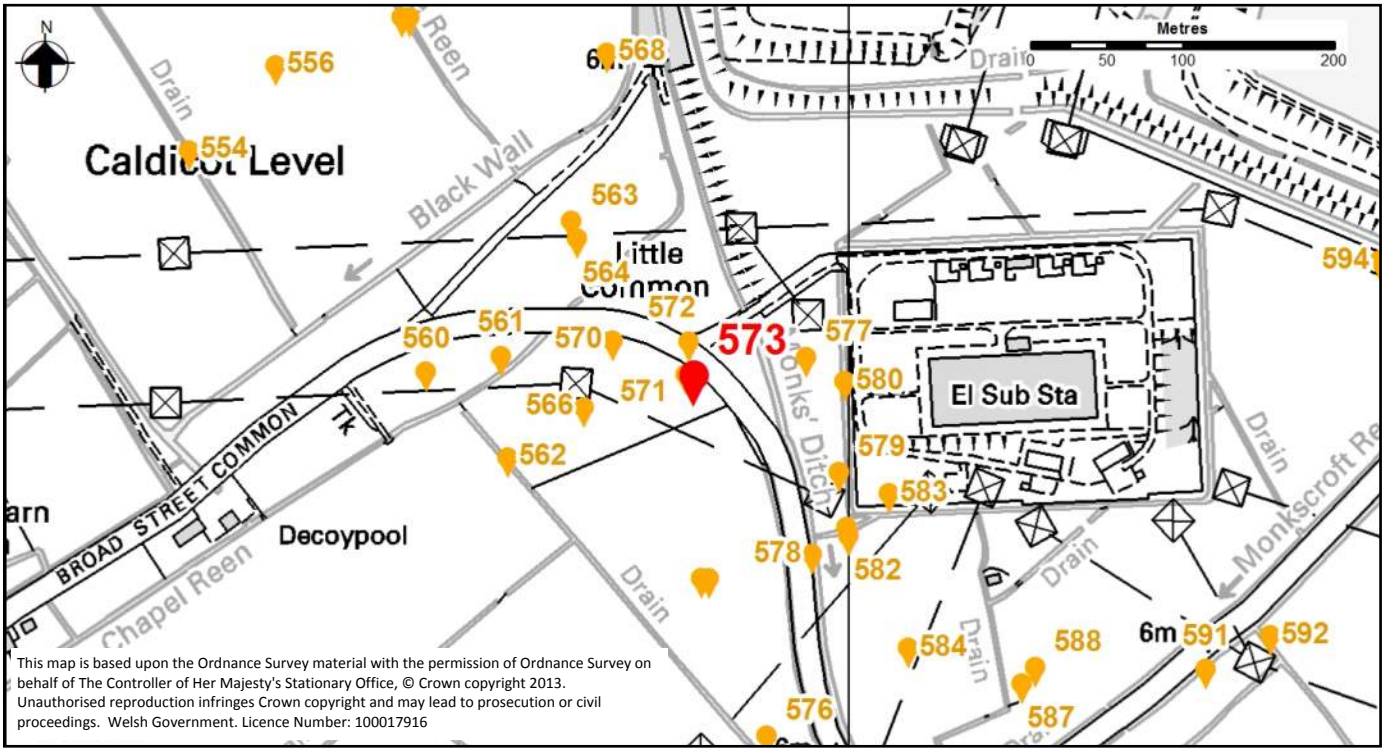

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	574	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Meadow foxtail, false oat grass, broad and narrow leaved dock, common nettle, thistle sp., black medick

Potential for Protected Species:

Target Note Location Map:

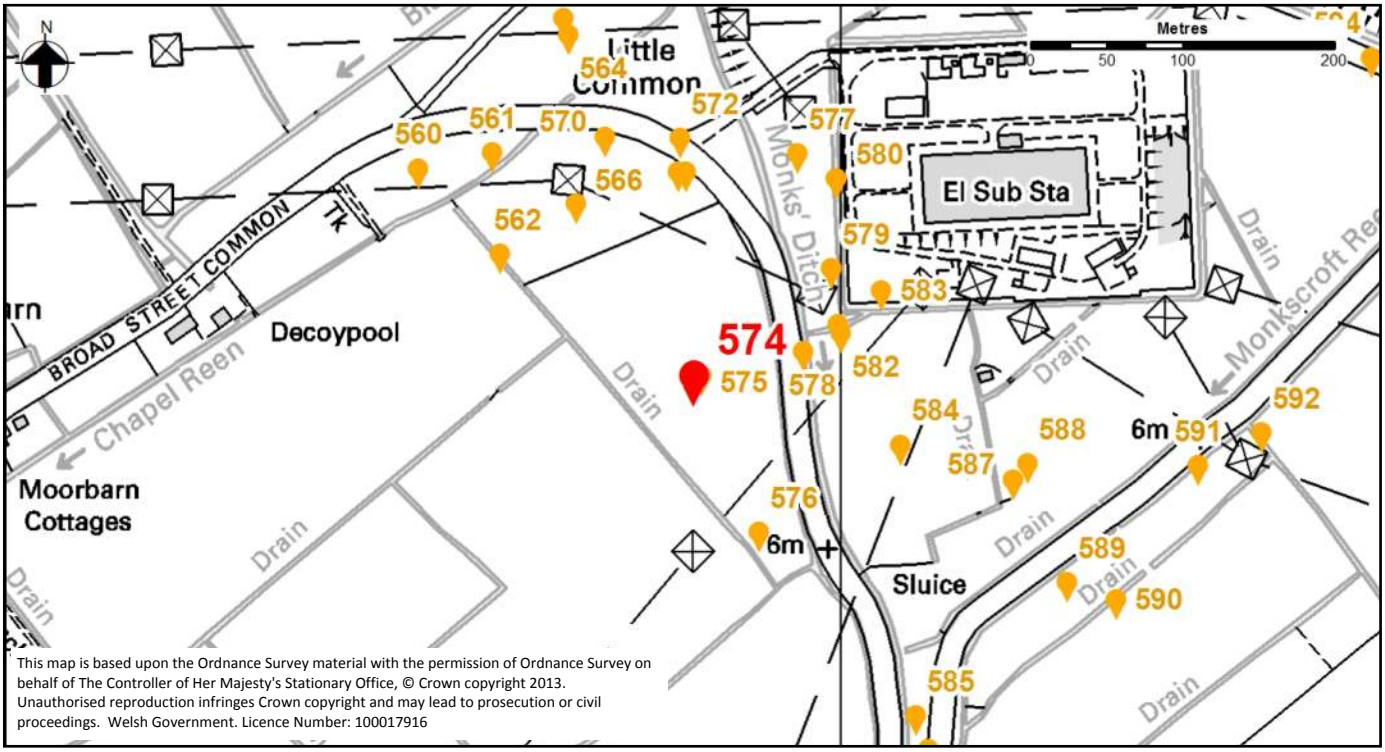

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	575	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Meadow foxtail, false oat grass, broad and narrow leaved dock, common nettle, thistle sp., black medick

Potential for Protected Species:

Target Note Location Map:

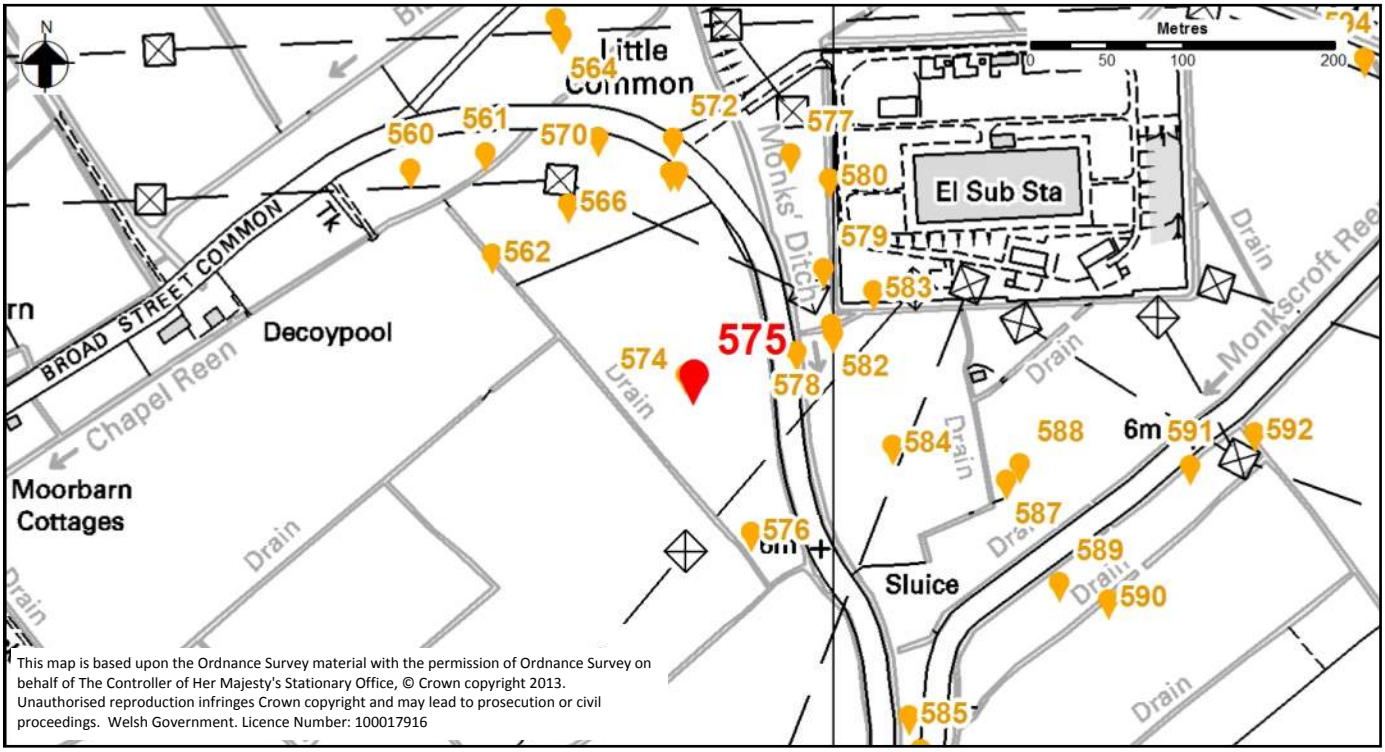

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	576	Date:	27-10-2014	GPS:	51.56, -2.91

Dominant Habitats:

Livestock grazing on marsy grassland

Target Note:

Various log piles suitable for herpetofauna refugia

Potential for Protected Species:

WCA 1981 reptiles and amphibians, EPS Great Crested Newt

Target Note Location Map:

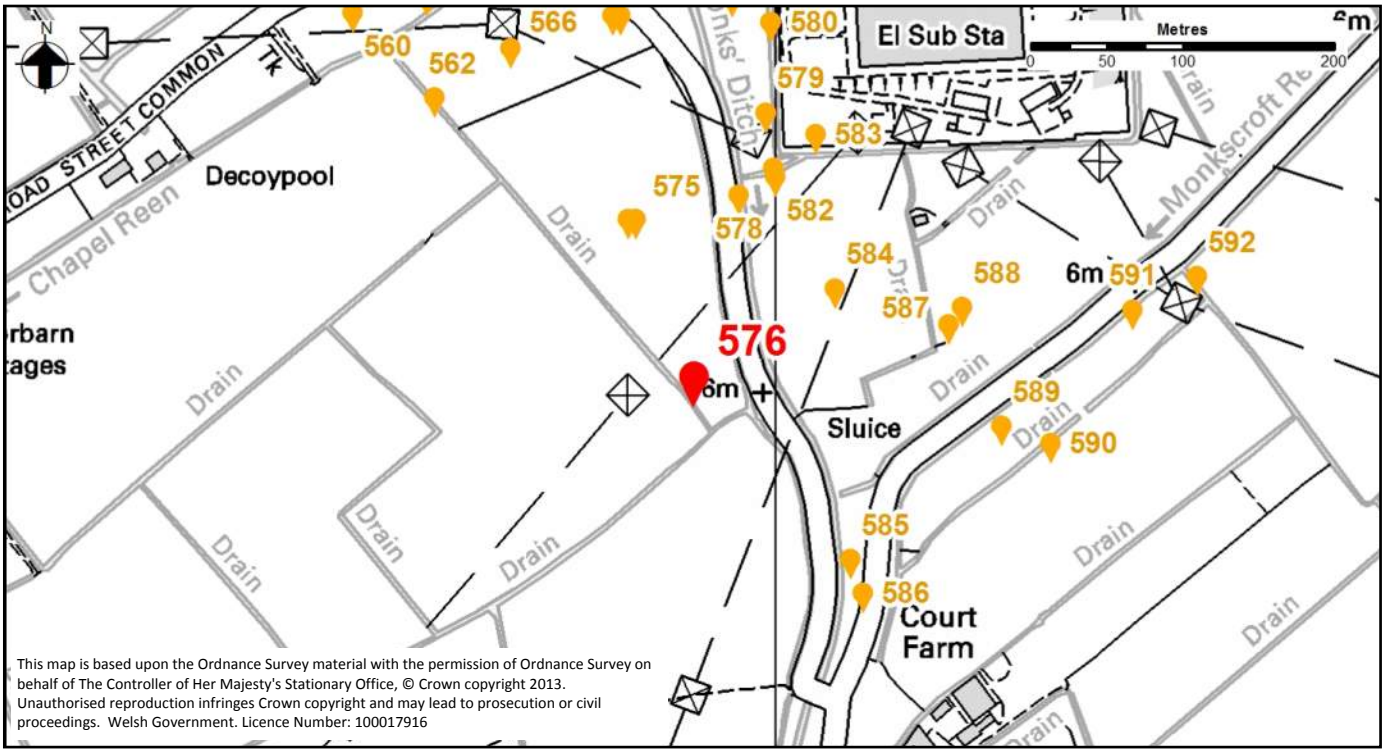

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	577	Date:	21-10-2014	GPS:	51.56, -2.91

Dominant Habitats:

Pond

Potential for Protected Species:

If wet, potential for amphibians.

Target Note:

Dried out ponded area, in centre of field. May have had water earlier in year and may require HSI. Yellow flag iris dominant.

Target Note Location Map:

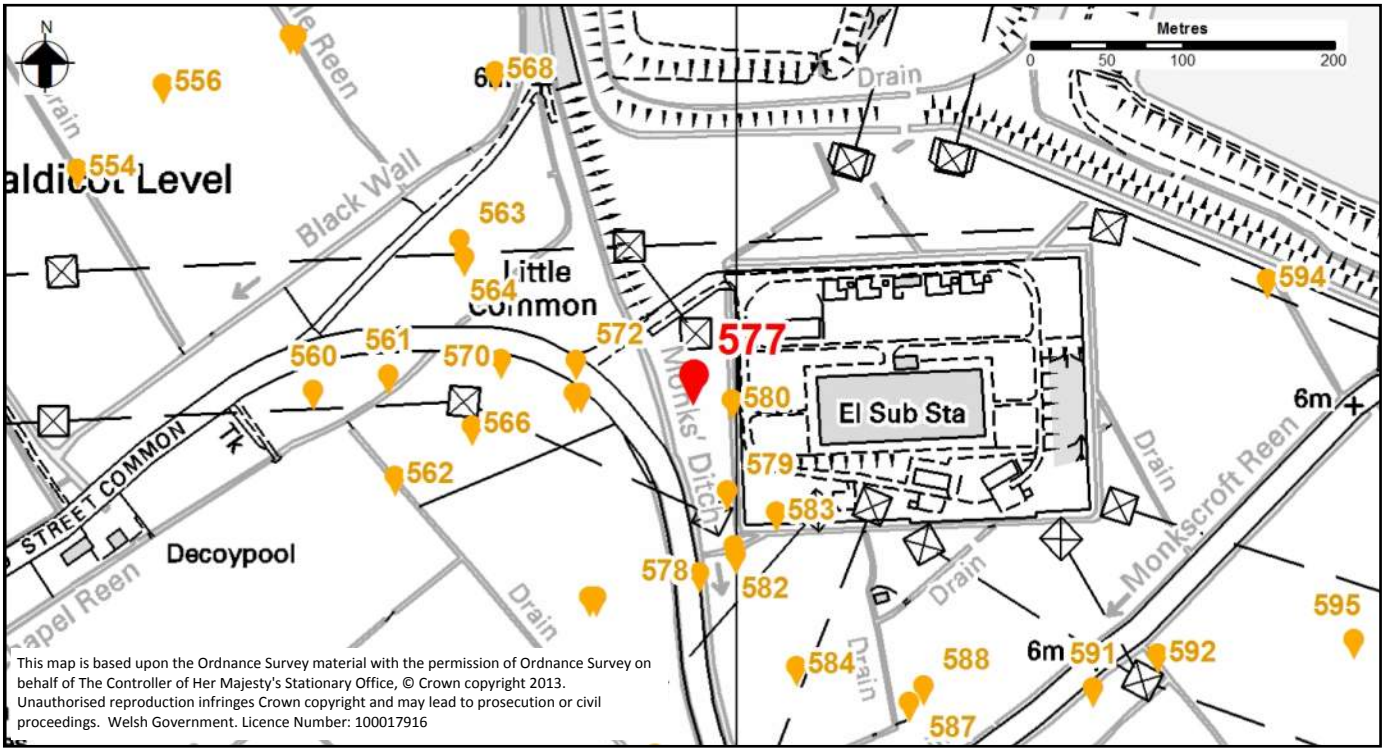

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	578	Date:	21-10-2014	GPS:	51.56, -2.91

Dominant Habitats:

Marshy grassland

Potential for Protected Species:

Potential for wading bird species.

Target Note:

Potential for interesting plant species within flood area of meadow, signs obscured as late in season. Mid season check advisable.

Target Note Location Map:

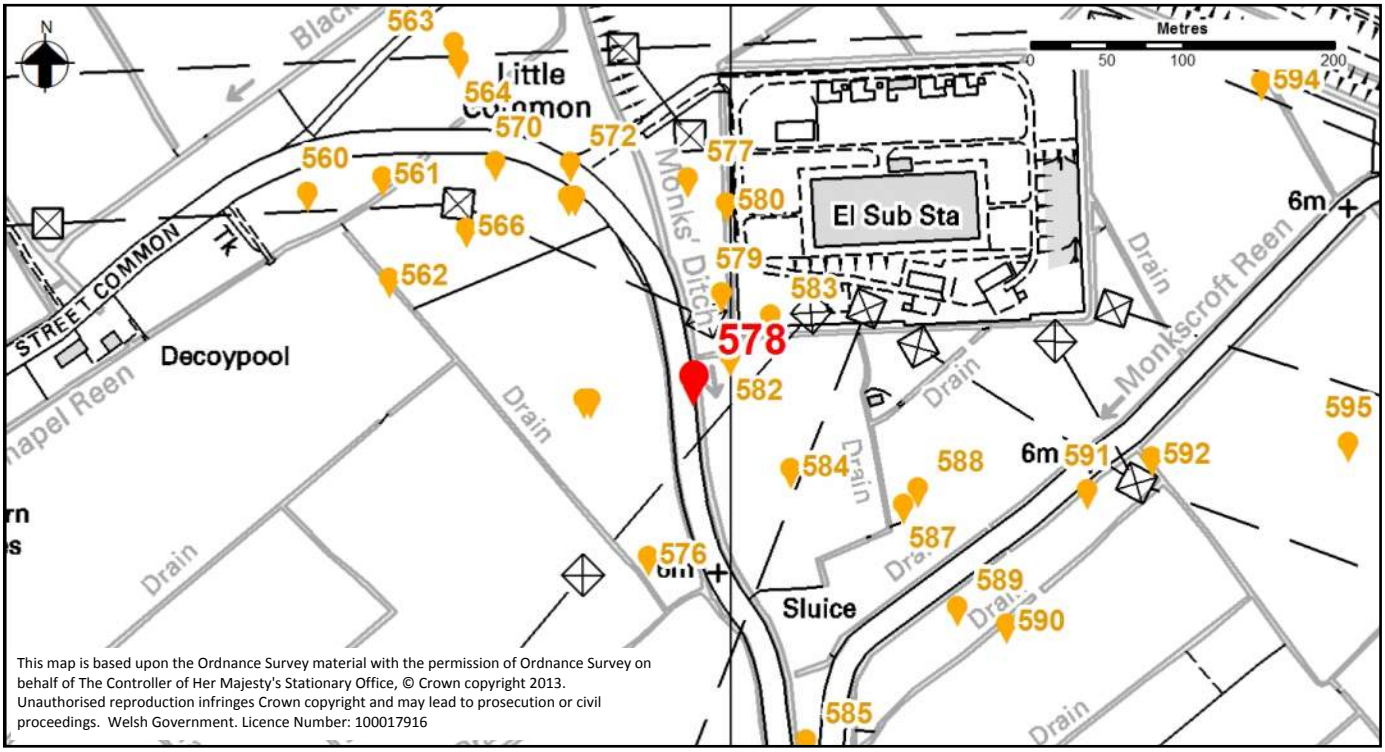

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	579	Date:	21-10-2014	GPS:	51.56, -2.91

Dominant Habitats:

Near 1033 ditch

Target Note:

Marsh valerian

Potential for Protected Species:

Target Note Location Map:

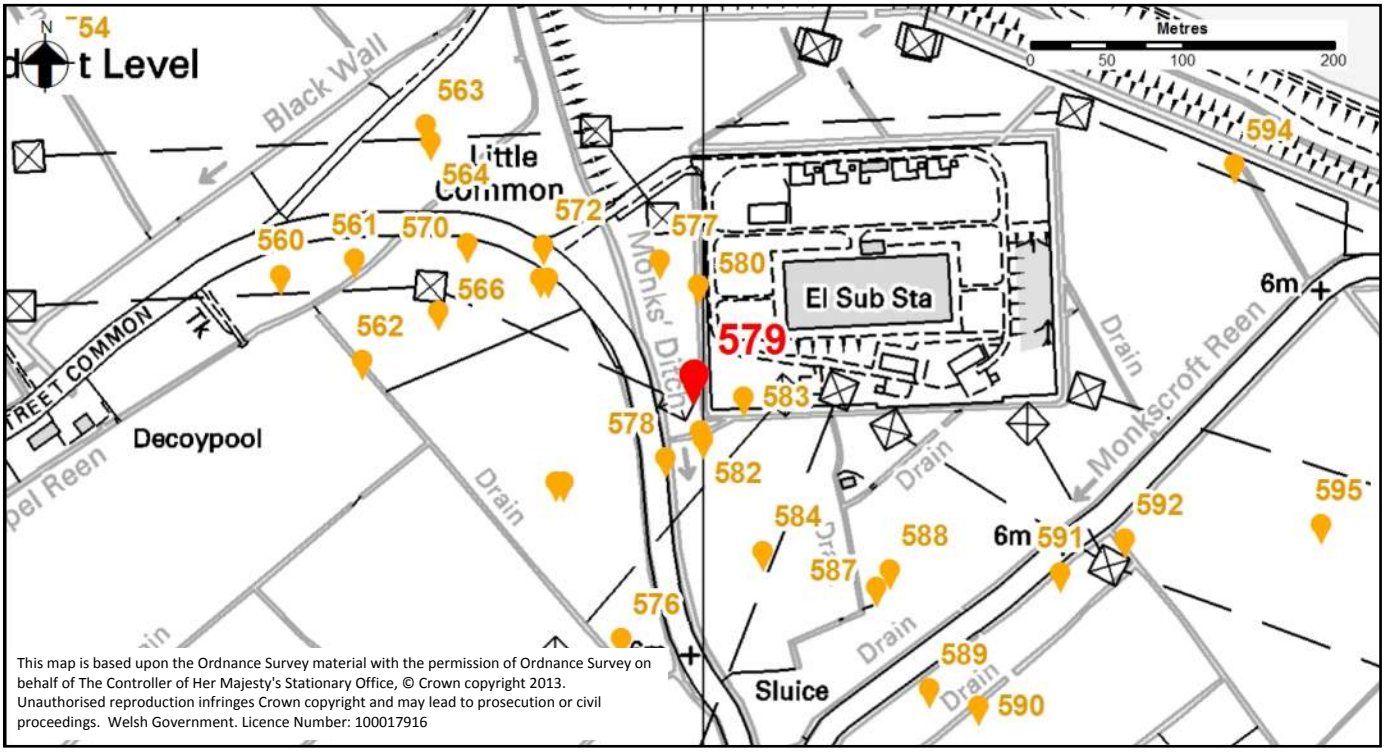

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	580	Date:	13-10-2014 14:25	GPS:	51.56, -2.91

Dominant Habitats:

Ditch, livestock grazing

Potential for Protected Species:

WCA Schedule 9 invasive

Target Note:

Japanese knotweed

Target Note Location Map:

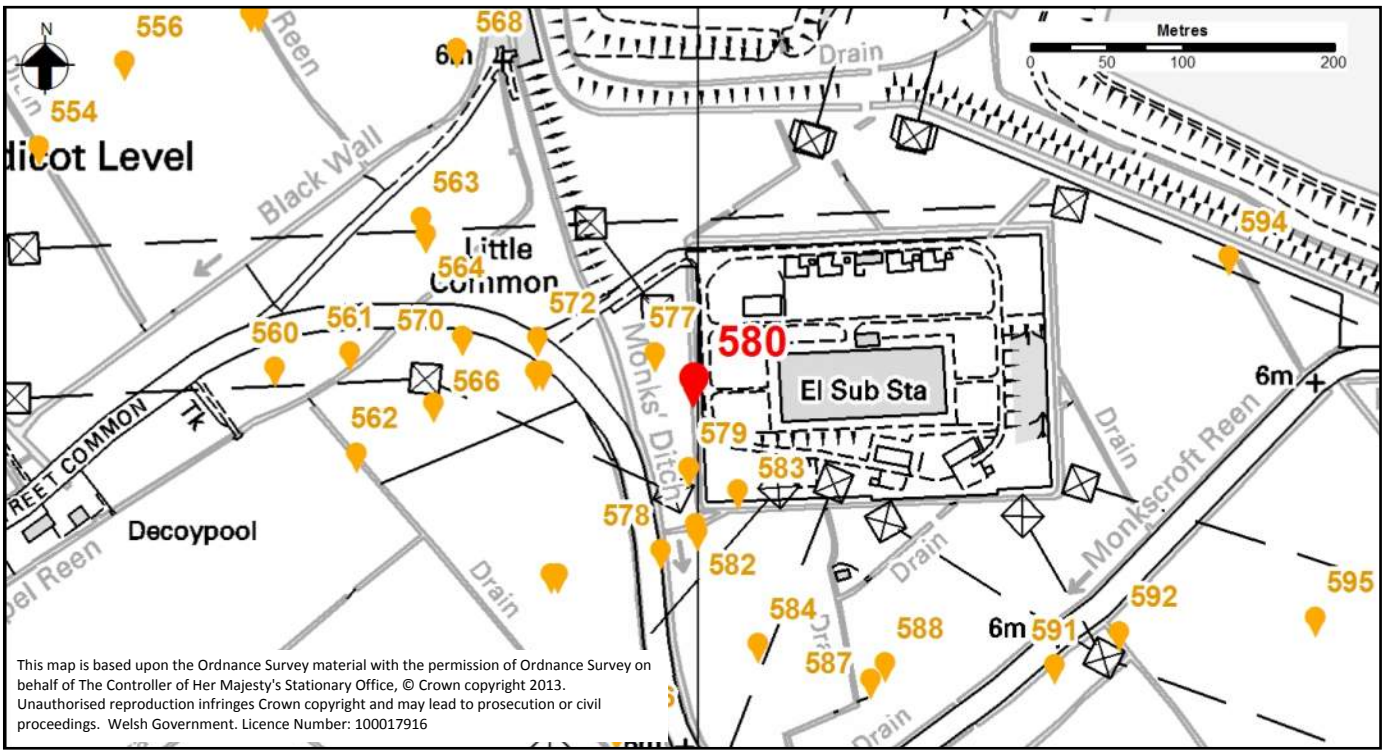

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	581	Date:	21-10-2014	GPS:	51.56, -2.91

Dominant Habitats:

Edge of ditch

Target Note:

Area of rocks forming structure for path over ditch. May provide hibernation potential for reptiles and/or amphibians. Beneath walnut tree.

Potential for Protected Species:

Potential for amphibian and/or reptile species.

Target Note Location Map:

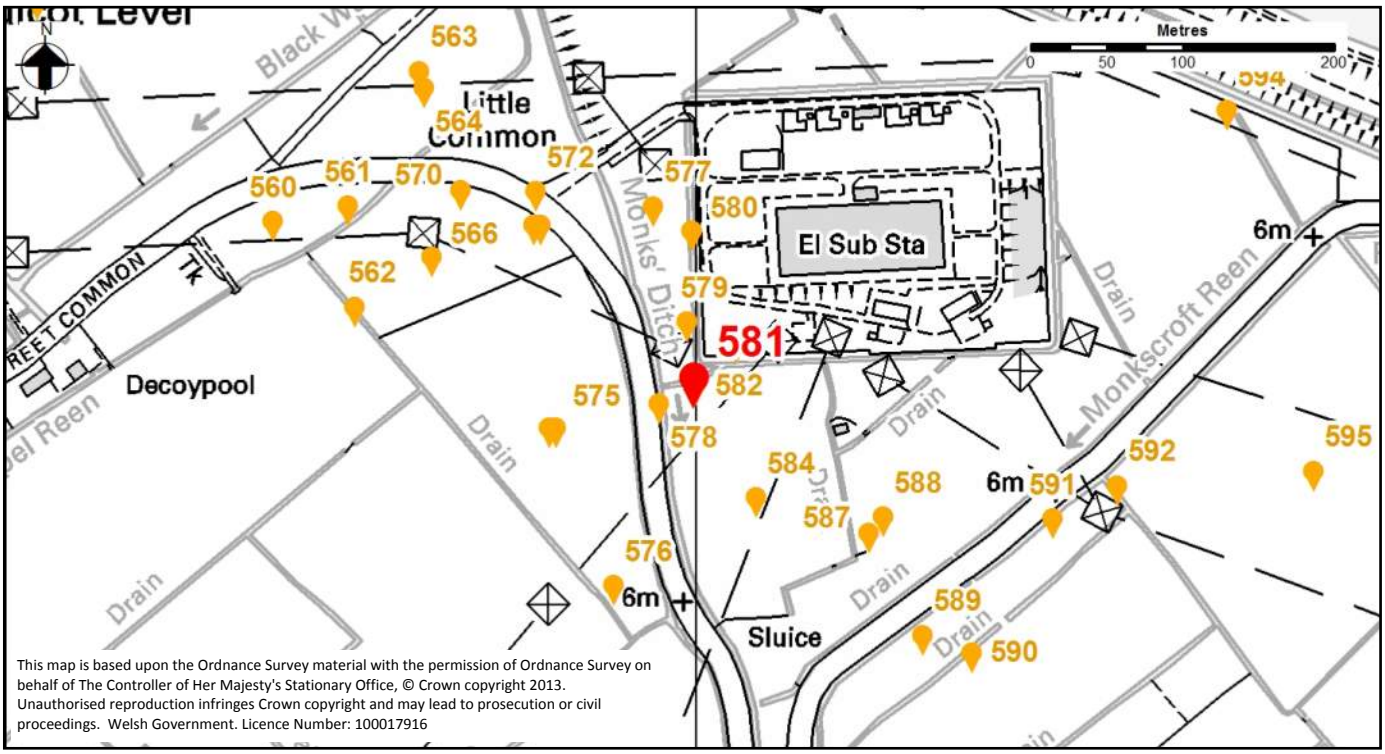

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	582	Date:	21-10-2014	GPS:	51.56, -2.91

Dominant Habitats:

Tree

Potential for Protected Species:

Owl, bat

Target Note:

Walnut tree may have protected species and/or landscape value. Hole in westernmost trunk with potential for owl or bat roost.

Target Note Location Map:

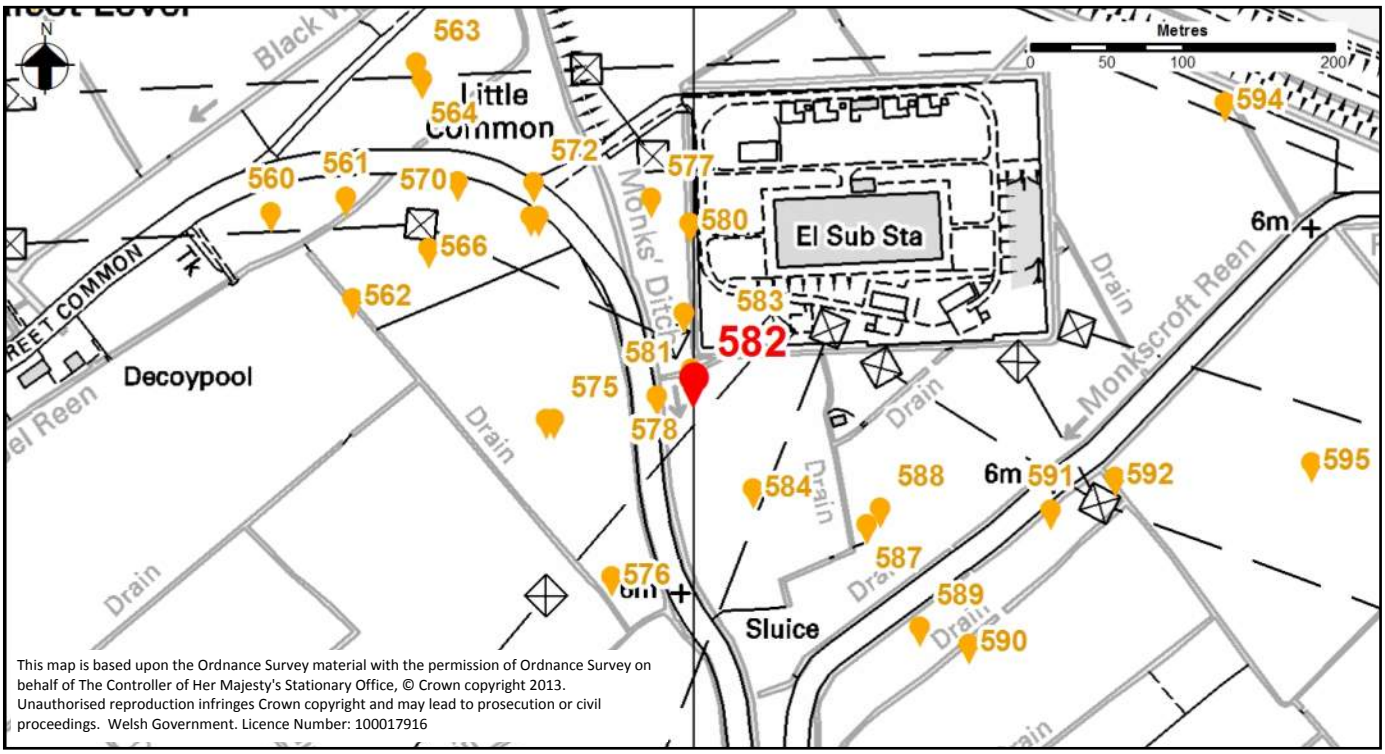

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	583	Date:	22-10-2014 11:22	GPS:	51.56, -2.91

Dominant Habitats:

Hedgerow

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note:

Nuttall's waterweed

Target Note Location Map:

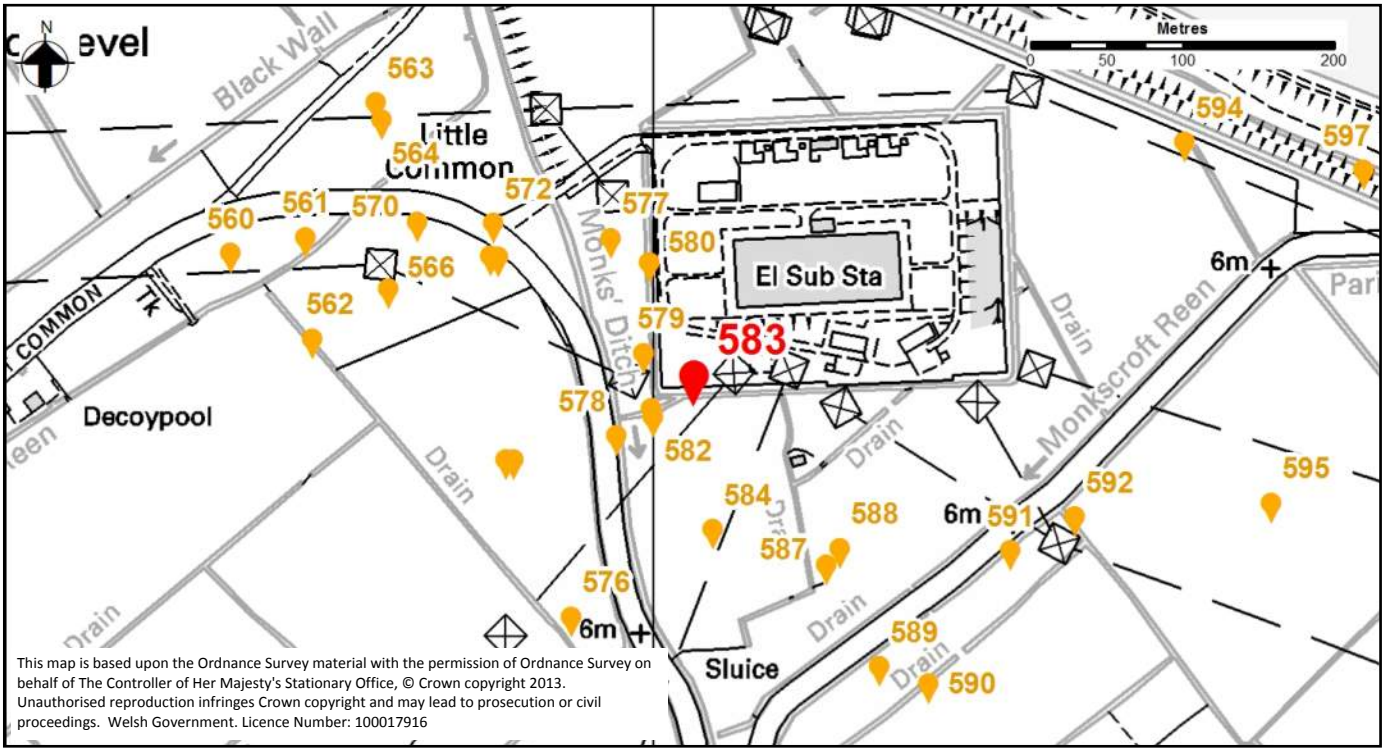

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	584	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Teasel, broad and narrow leaved dock, bramble, great willowherb, purple loosestrife, crested dogstail

Potential for Protected Species:

Target Note Location Map:

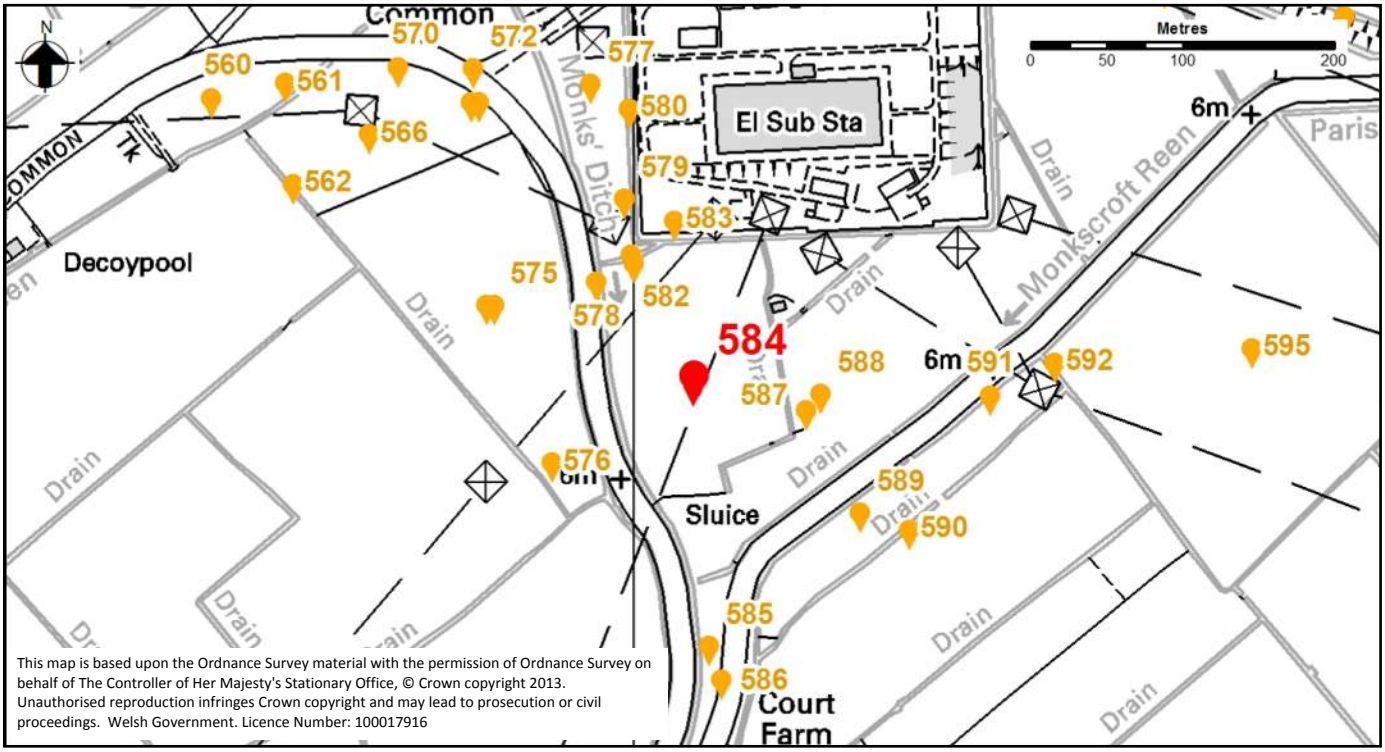

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	585	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Marshy grassland with hard rush, teasel

Potential for Protected Species:

Target Note Location Map:

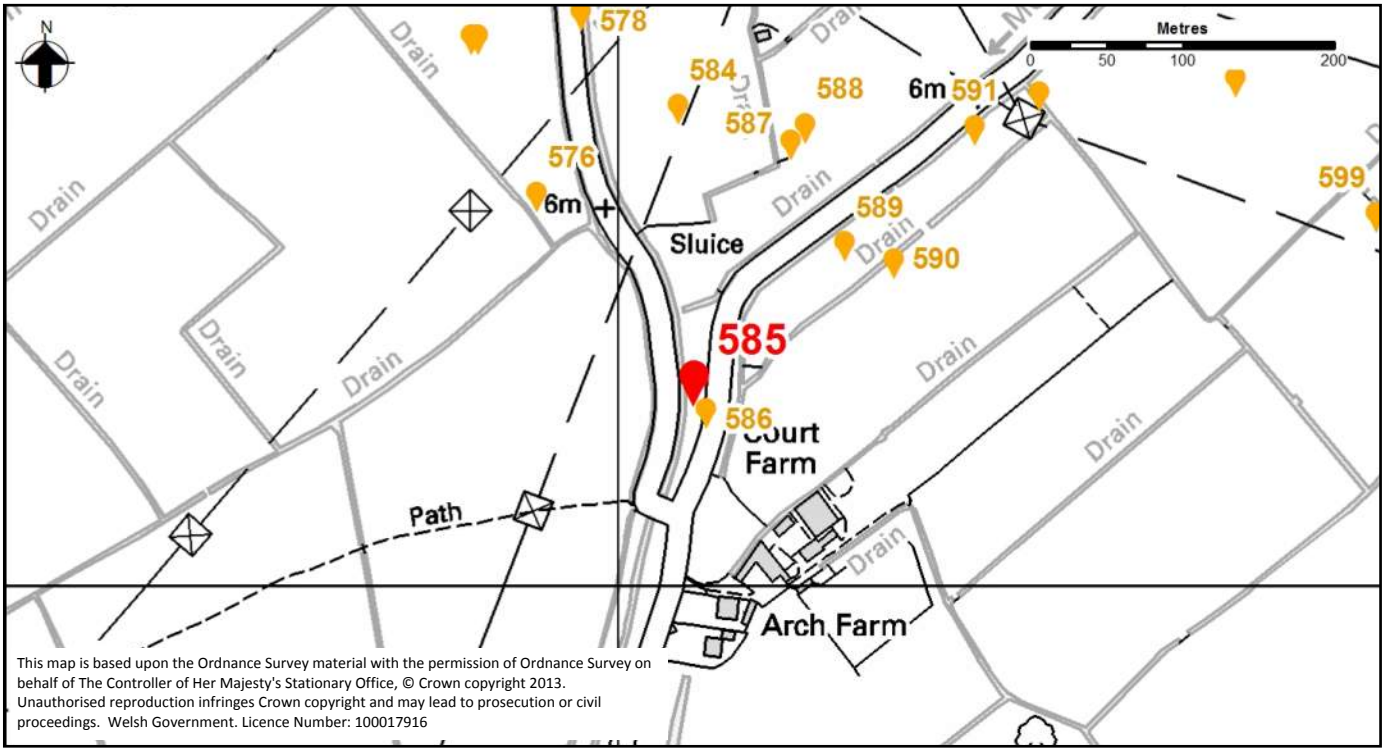

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	586	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Hawthorn, bramble, wild privet, ash

Potential for Protected Species:

Target Note Location Map:

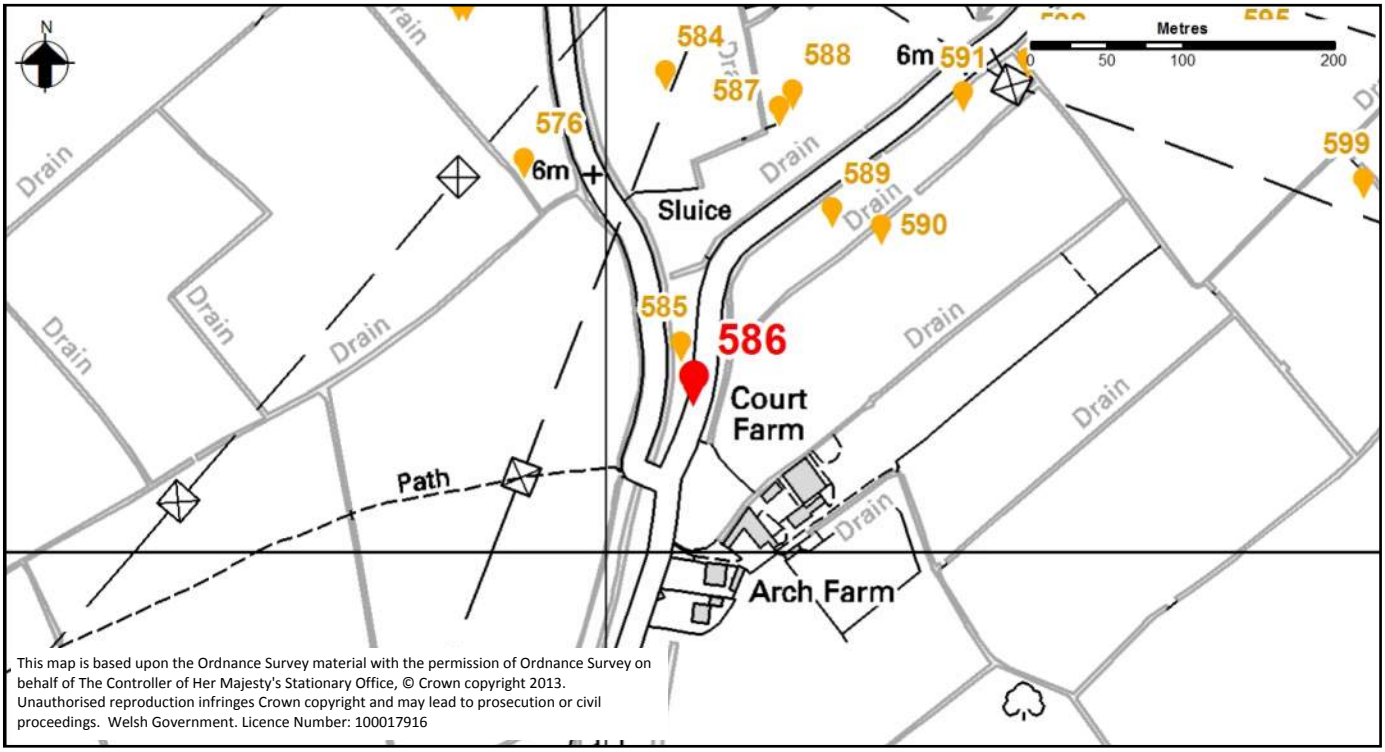

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	587	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Teasel, broad and narrow leaved dock, bramble, great willowherb, purple loosestrife, crested dogstail

Potential for Protected Species:

Target Note Location Map:

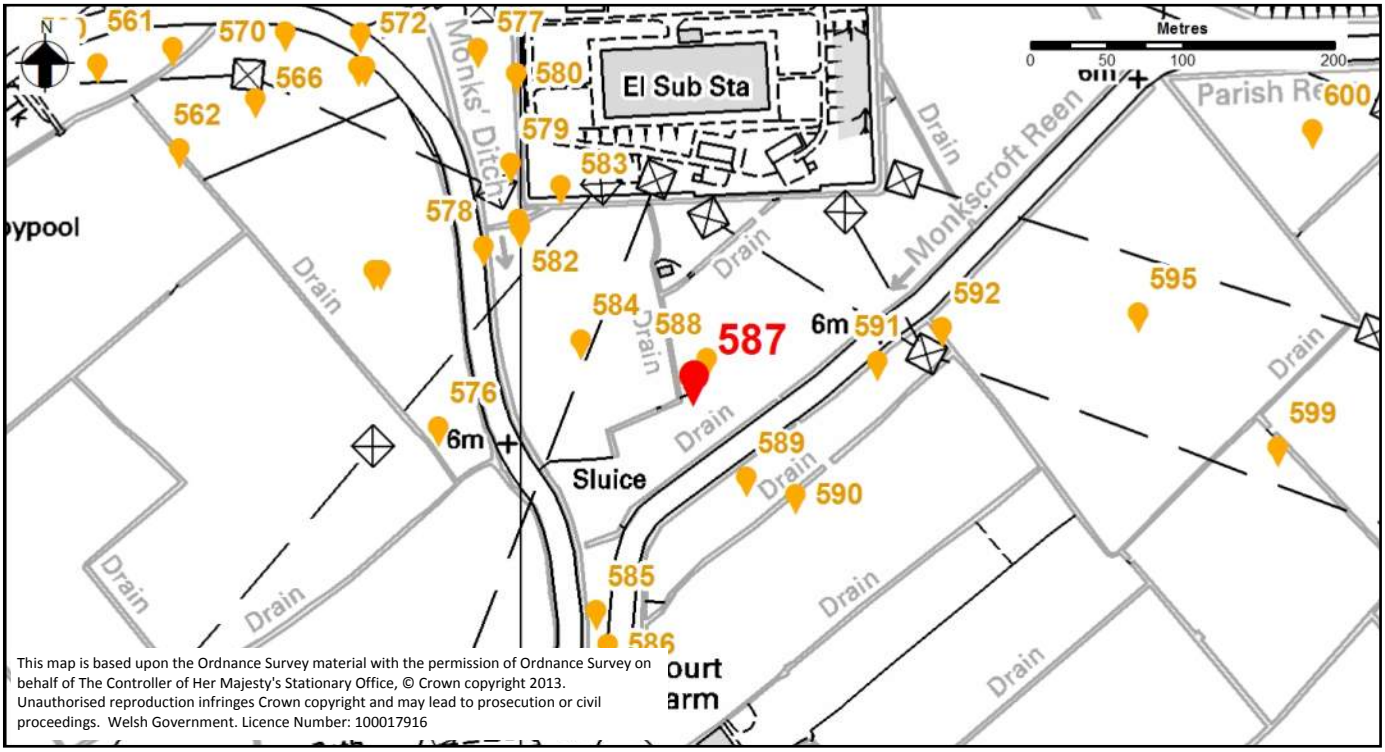

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	588	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Teasel, broad and narrow leaved dock, bramble, great willowherb, purple loosestrife, crested dog's tail

Potential for Protected Species:

Target Note Location Map:

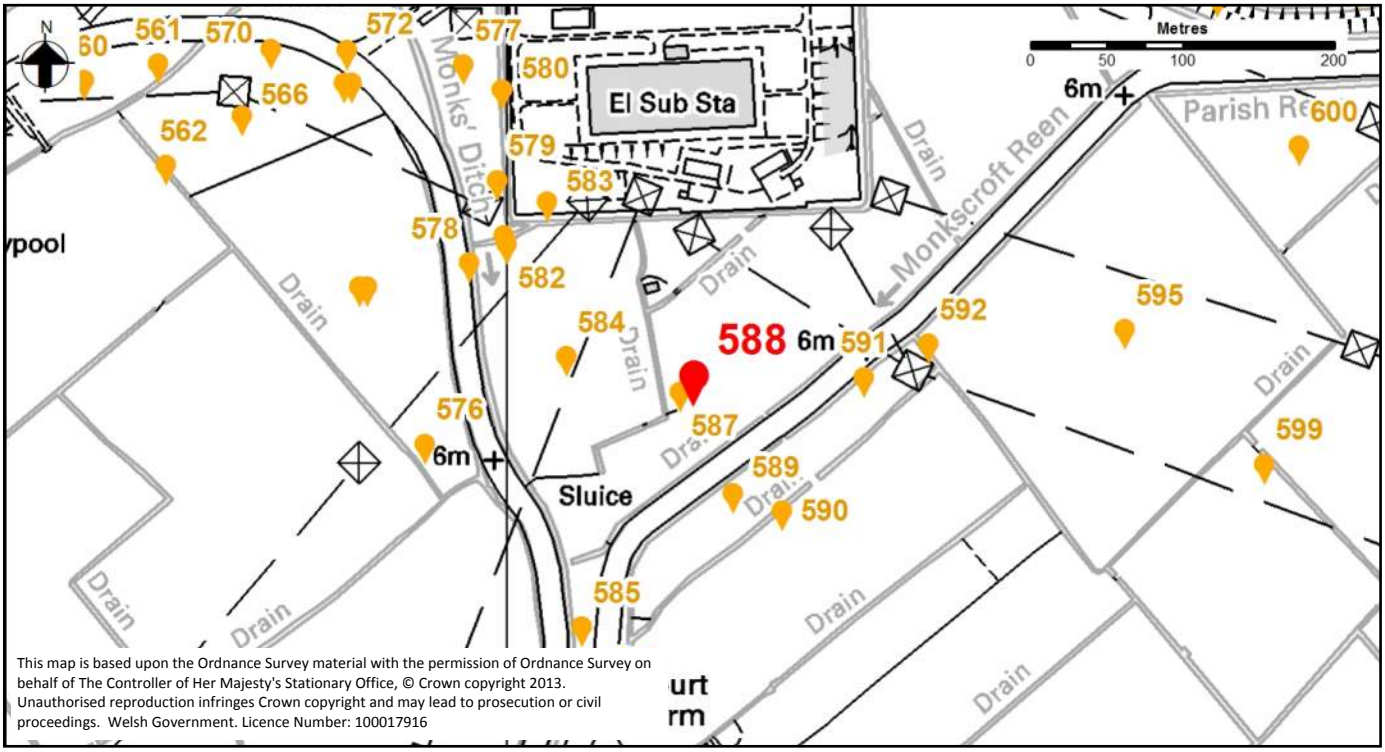

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	589	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Water parsnip, pond weed

Potential for Protected Species:

Target Note Location Map:

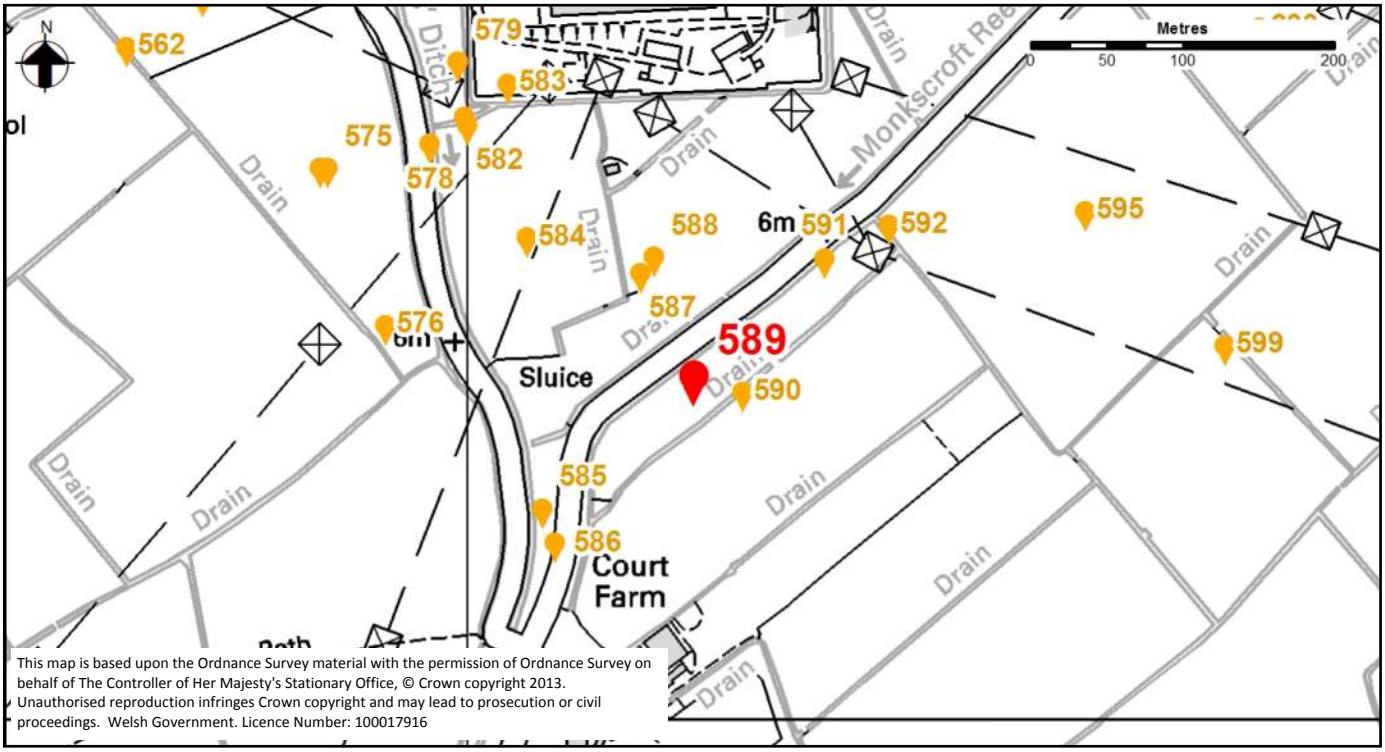

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	590	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Willow, bramble

Potential for Protected Species:

Target Note Location Map:

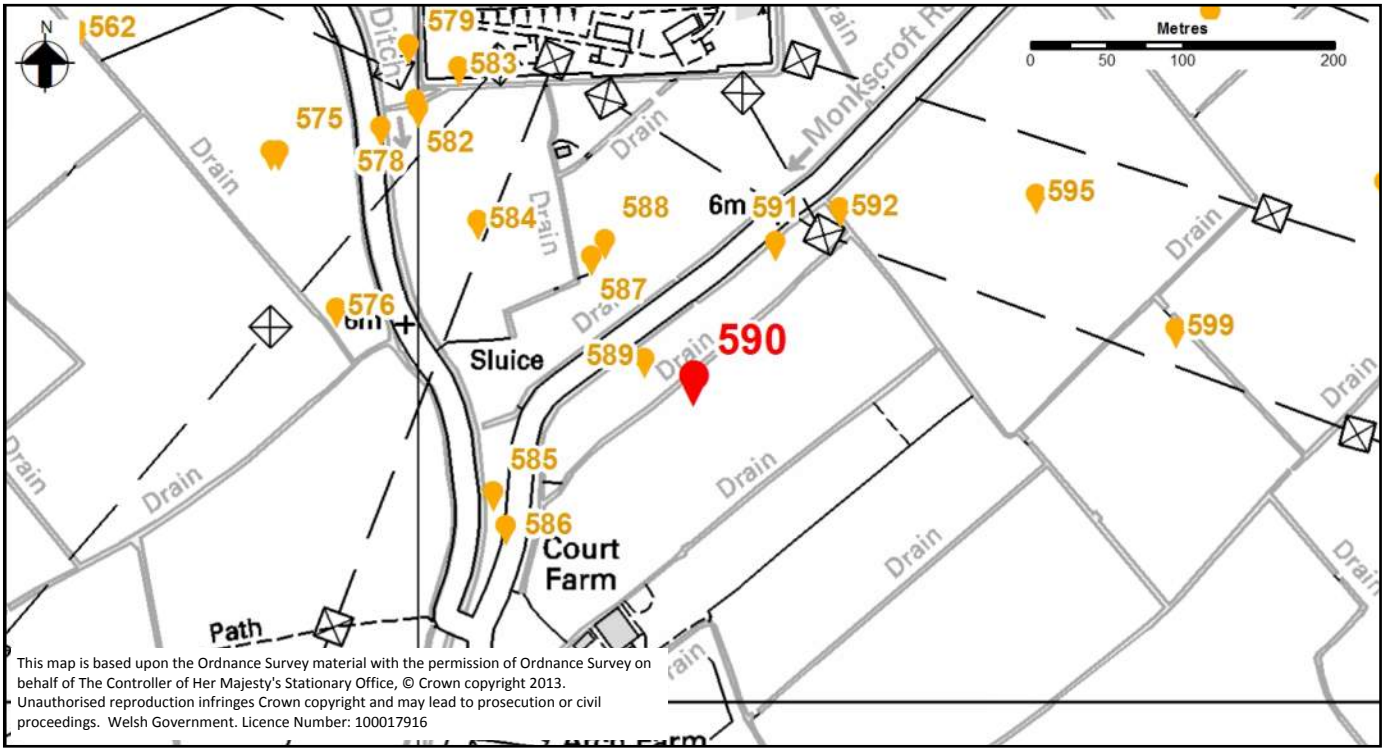

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	591	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Ash, hawthorn

Potential for Protected Species:

Target Note Location Map:

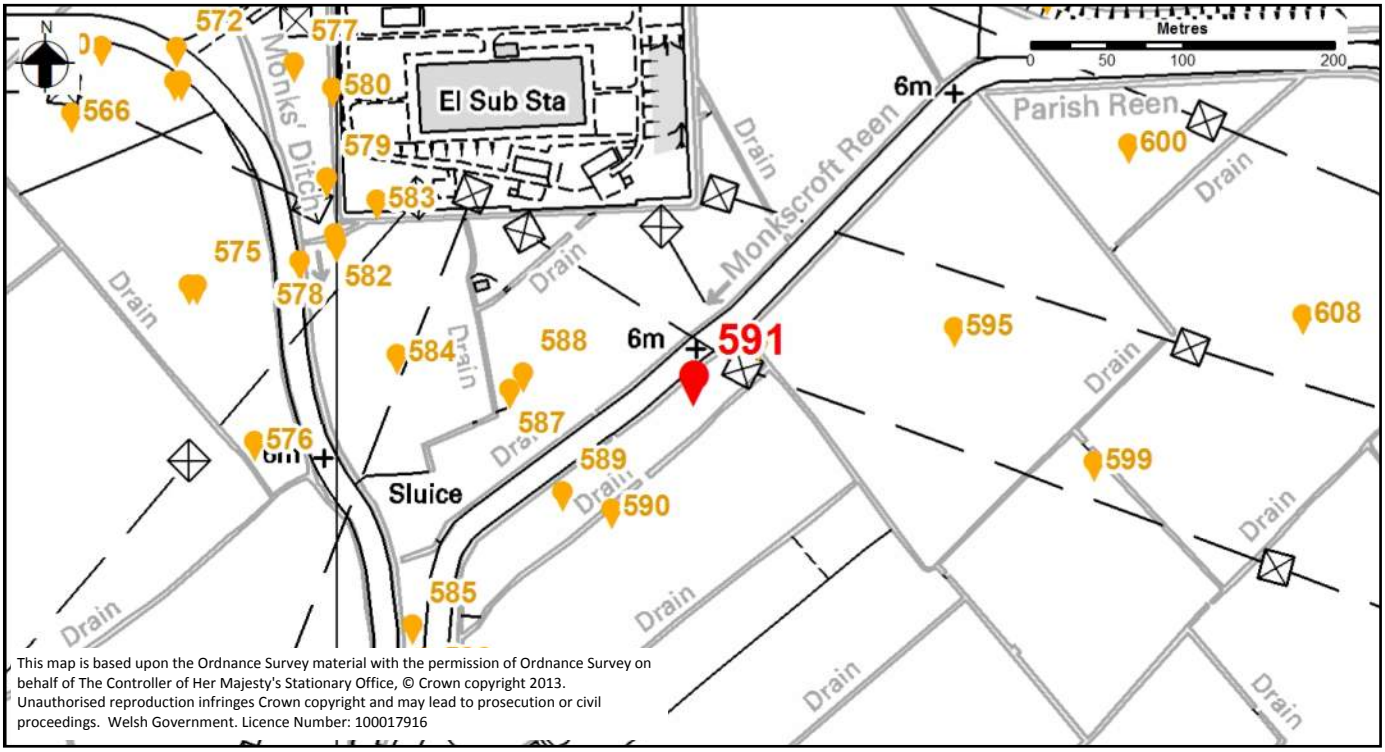

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	592	Date:		GPS:	51.56, -2.91

Dominant Habitats:

Target Note:

Wire fence, hawthorn, dog rose, bramble, ivy

Potential for Protected Species:

Target Note Location Map:

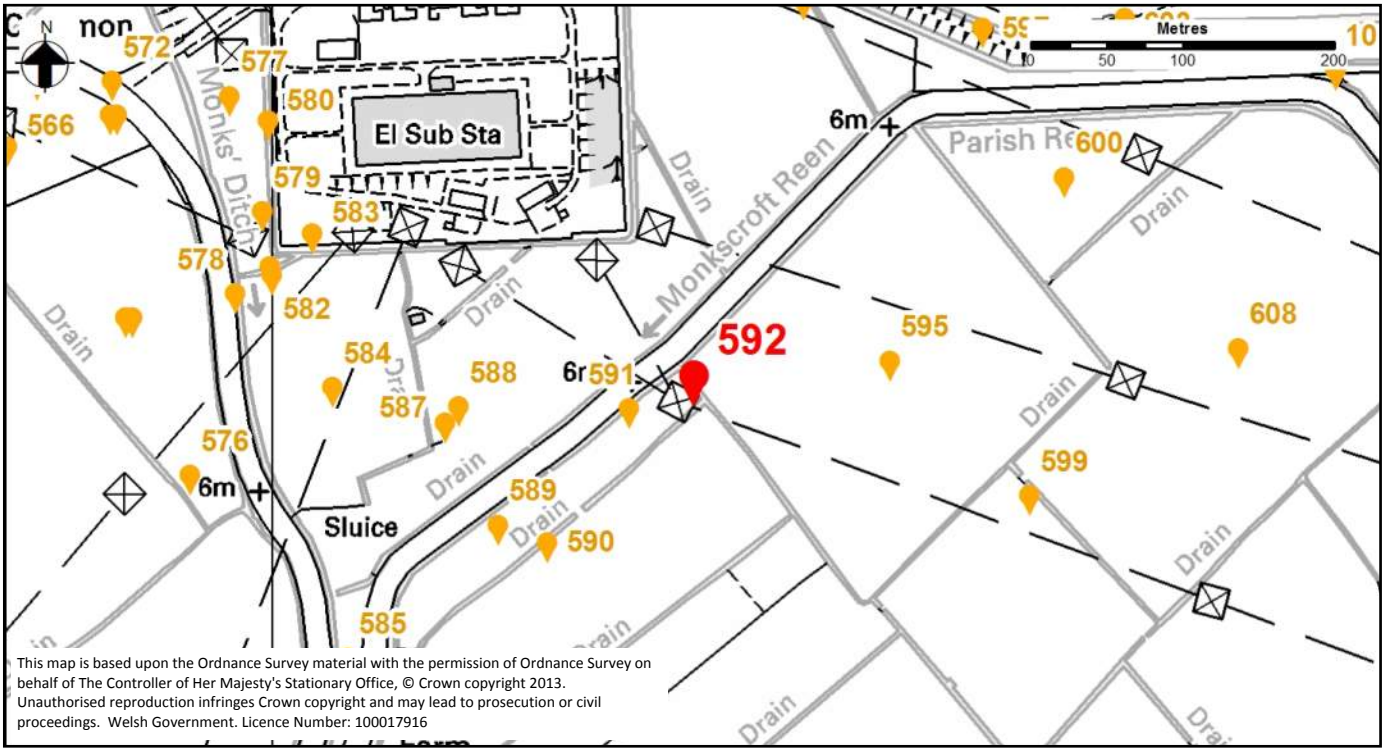

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	593	Date:	05-08-2014	GPS:	51.57, -2.91

Dominant Habitats:

Reen with Phragmites australis and fringing scrub

Target Note:

Himalayan balsam

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

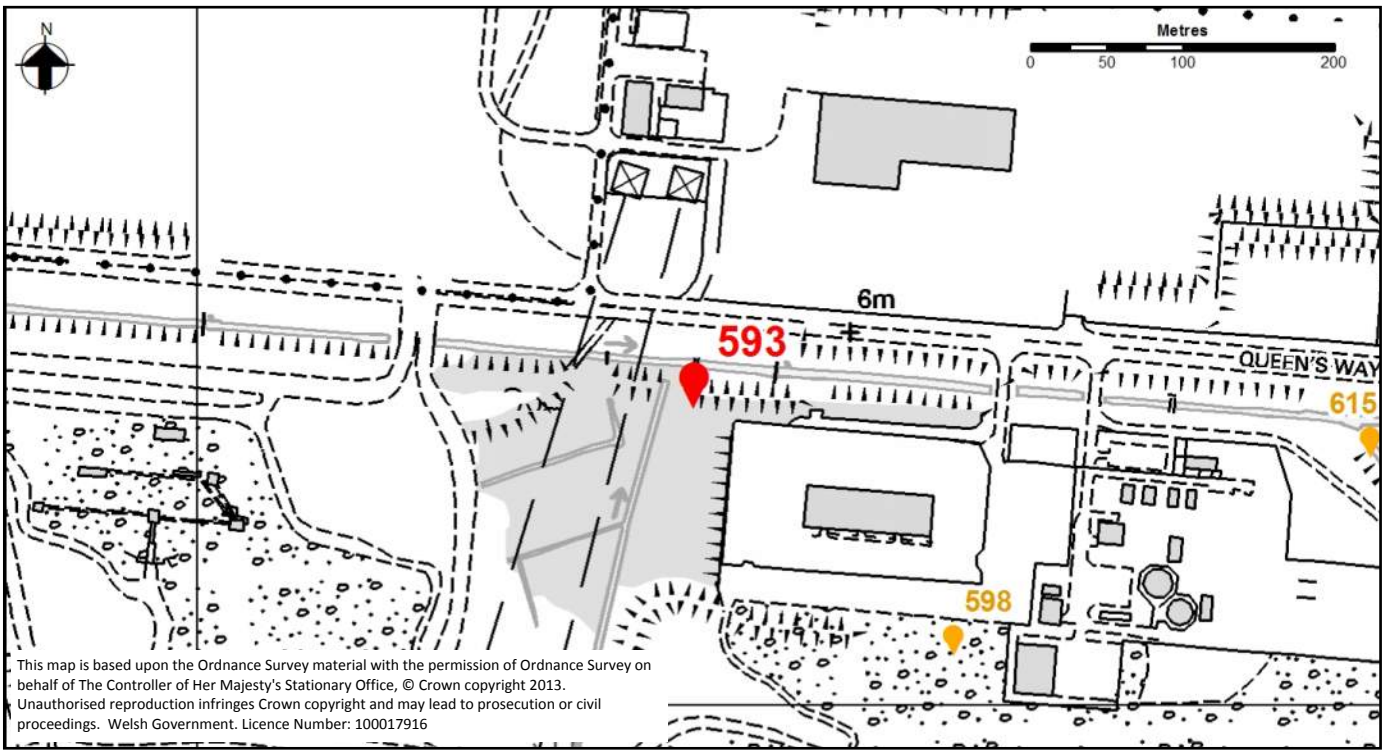

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	594	Date:	22-10-2014 15:24	GPS:	51.57, -2.91

Dominant Habitats:

Scrub

Potential for Protected Species:

Badger

Target Note:

Large mammal paths through dense blackthorn scrub. Due to width, suspected badger pathways.

Target Note Location Map:

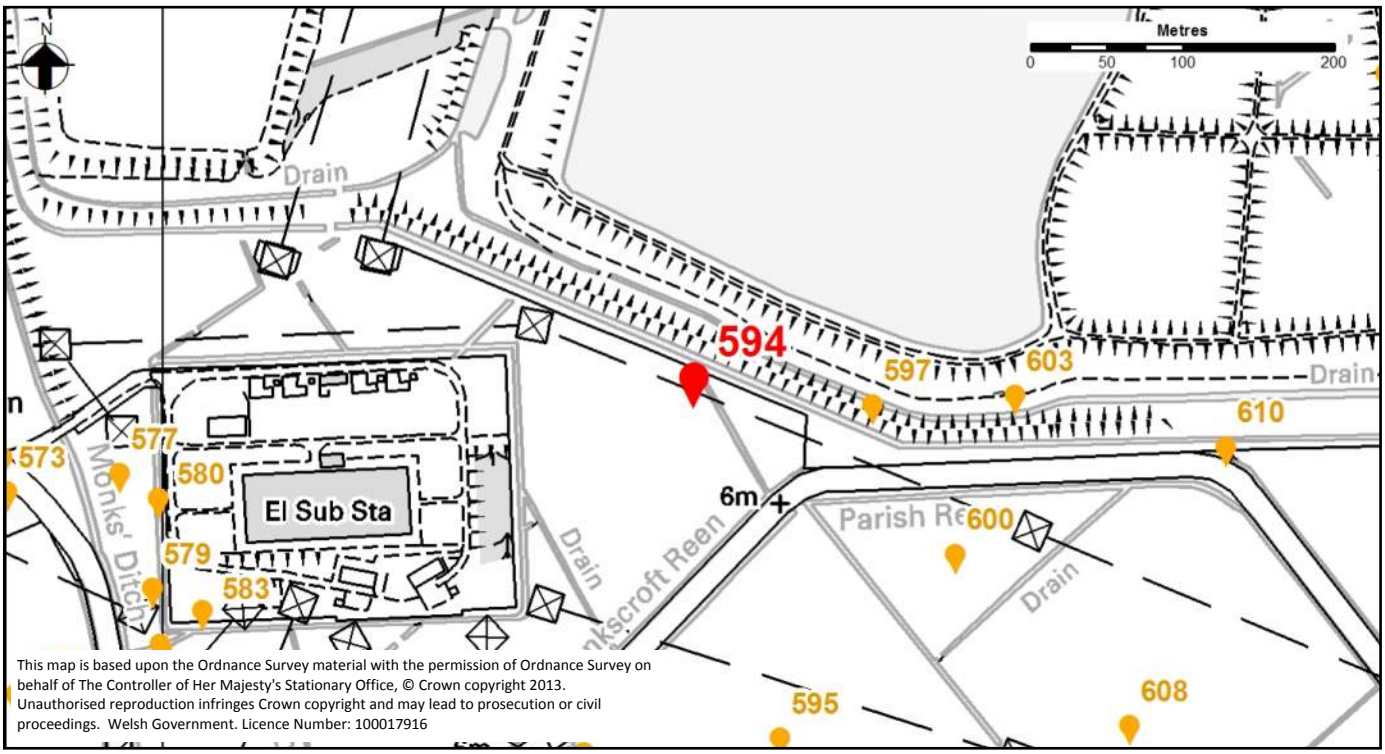

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	595	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Creeping thistle, Phragmites, great willowherb, horse chestnut, nettle

Potential for Protected Species:

Target Note Location Map:

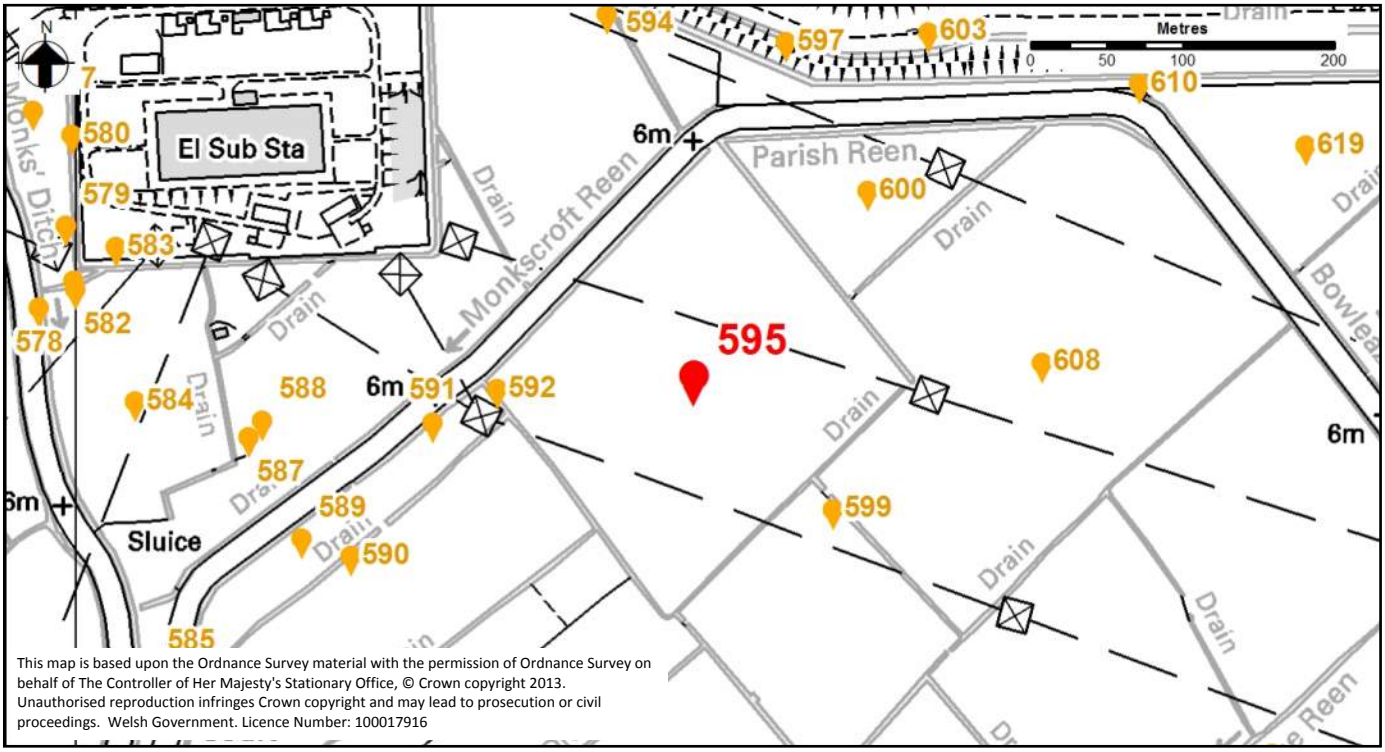

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	596	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Nettle, hogweed, hedge bindweed, wild carrot, mare's tail, lesser celendine, ivy

Potential for Protected Species:

Target Note Location Map:

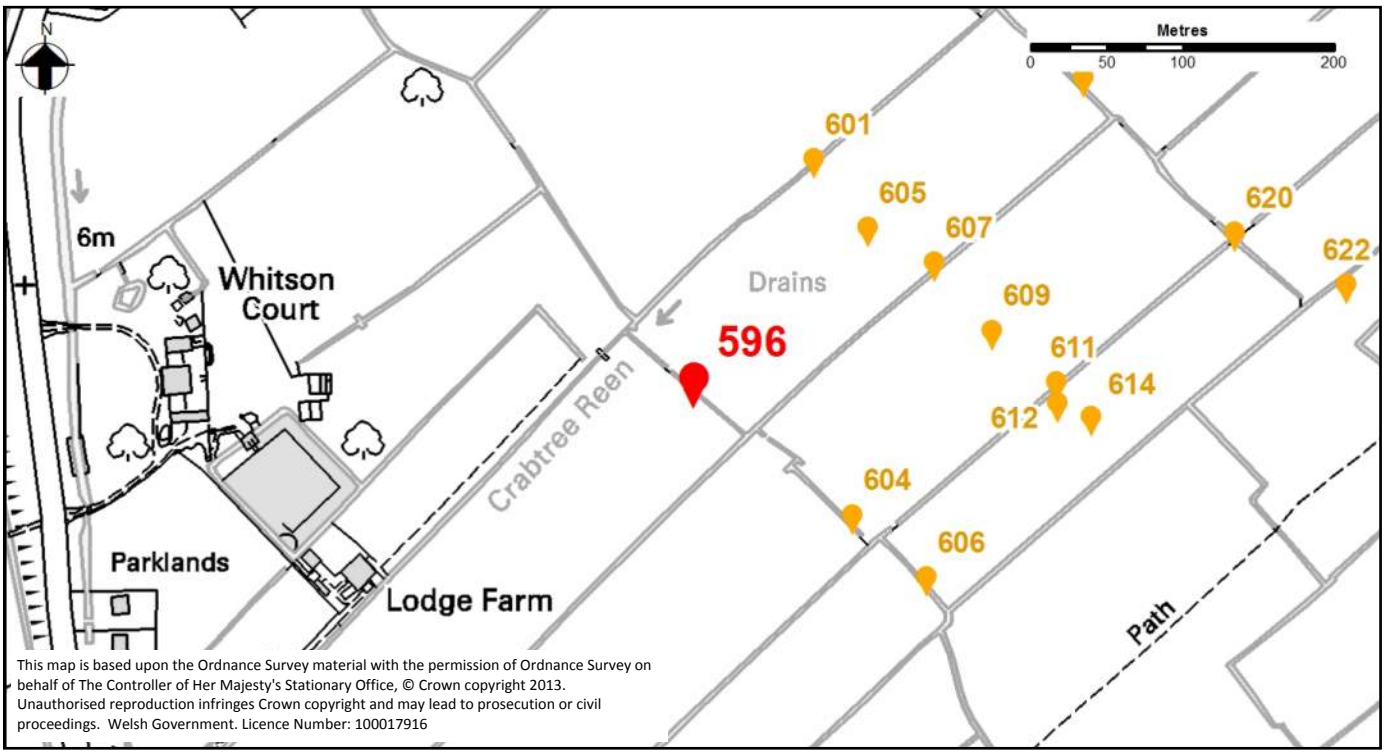

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	597	Date:	03-04-2014 12:42	GPS:	51.57, -2.9

Dominant Habitats:

Scrub

Target Note:

Mammal pathway

Potential for Protected Species:

Badger

Target Note Location Map:

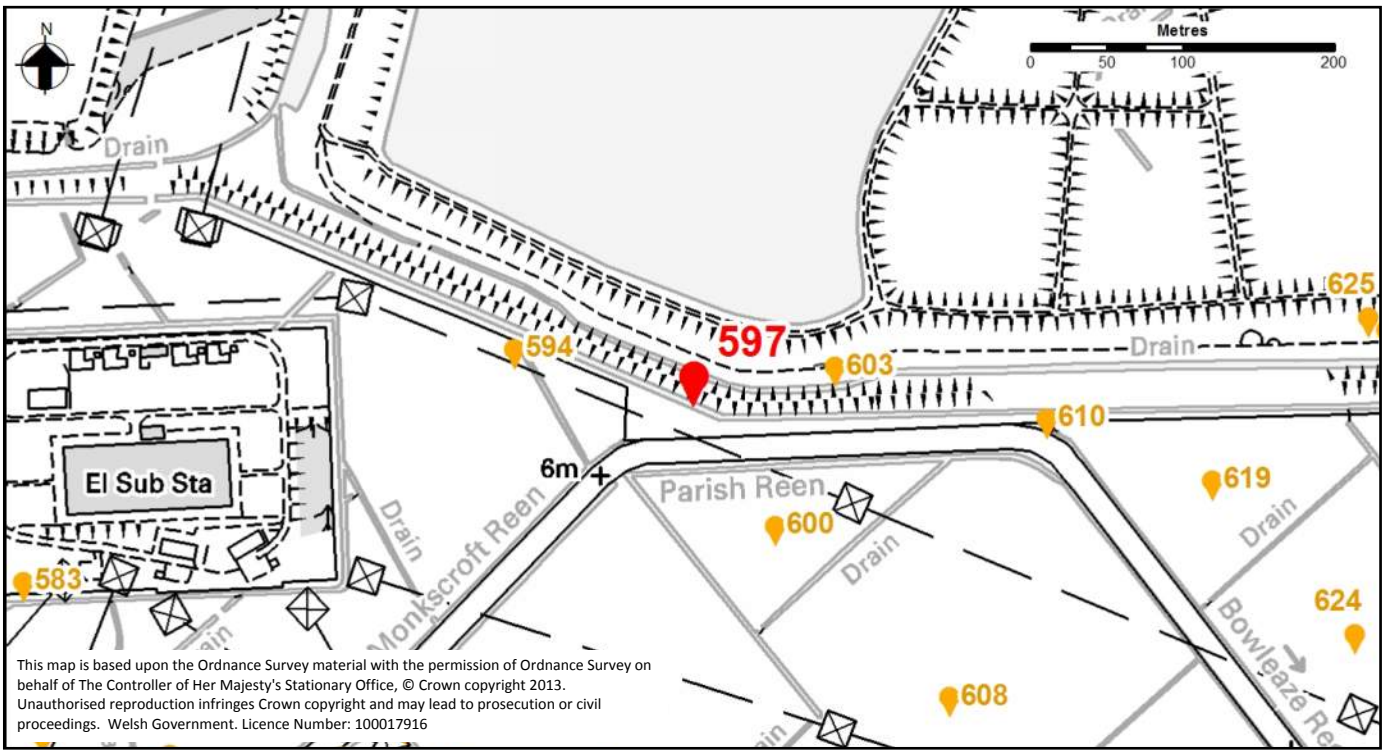

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	598	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Buddleia and tall ruderals on spoil heap.

Potential for Protected Species:

Target Note Location Map:

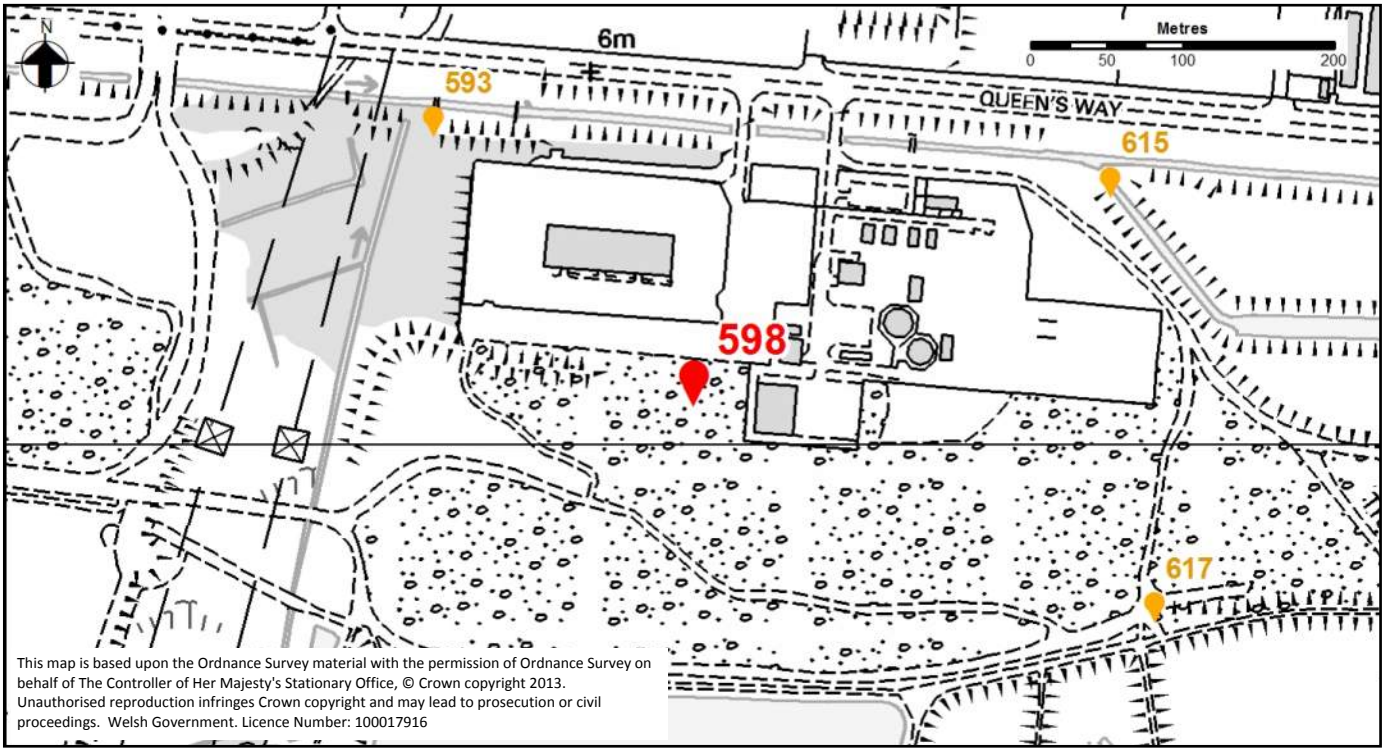

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	599	Date:	24-10-2014 16:13	GPS:	51.56, -2.9

Dominant Habitats:

Hedgerow

Target Note:

Bramble, ivy, wasps nest

Potential for Protected Species:

Target Note Location Map:

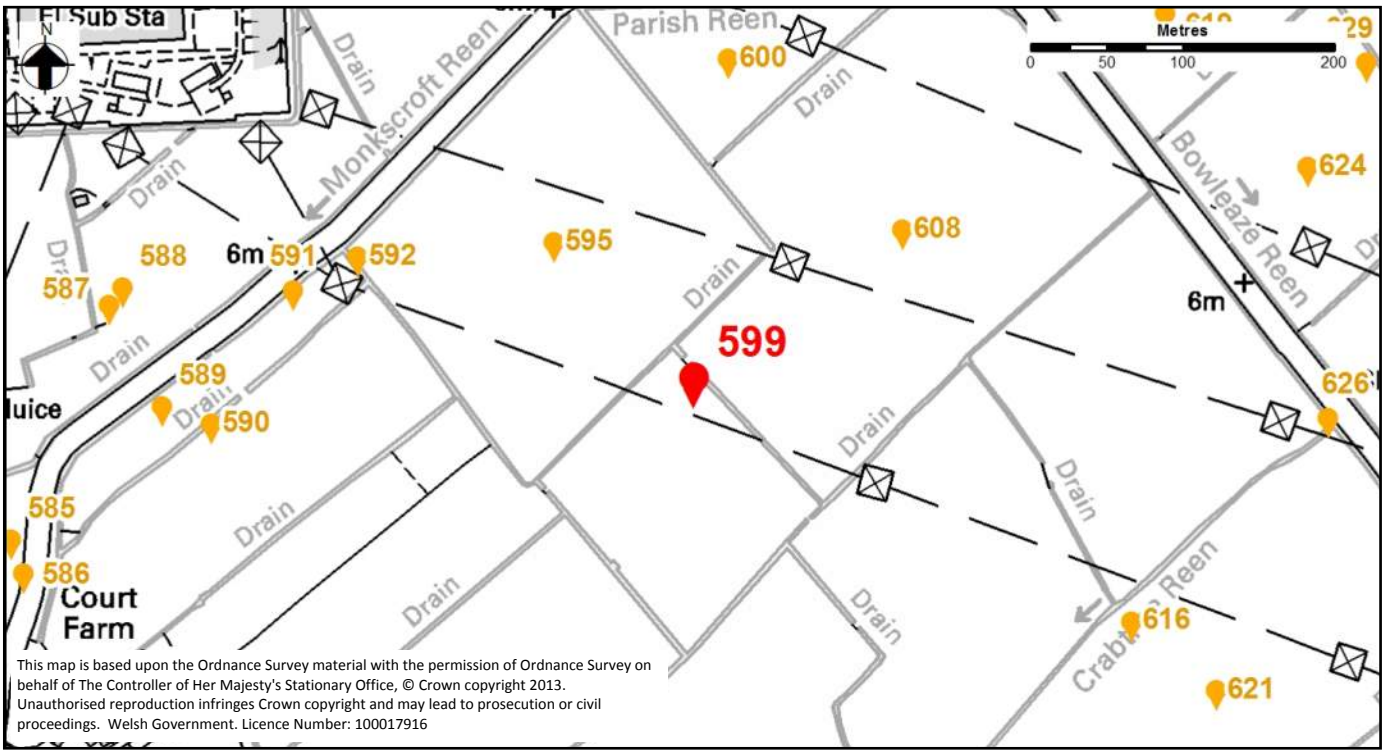

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	600	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

creeping thistle, phragmites, great willowherb, nettle

Potential for Protected Species:

Target Note Location Map:

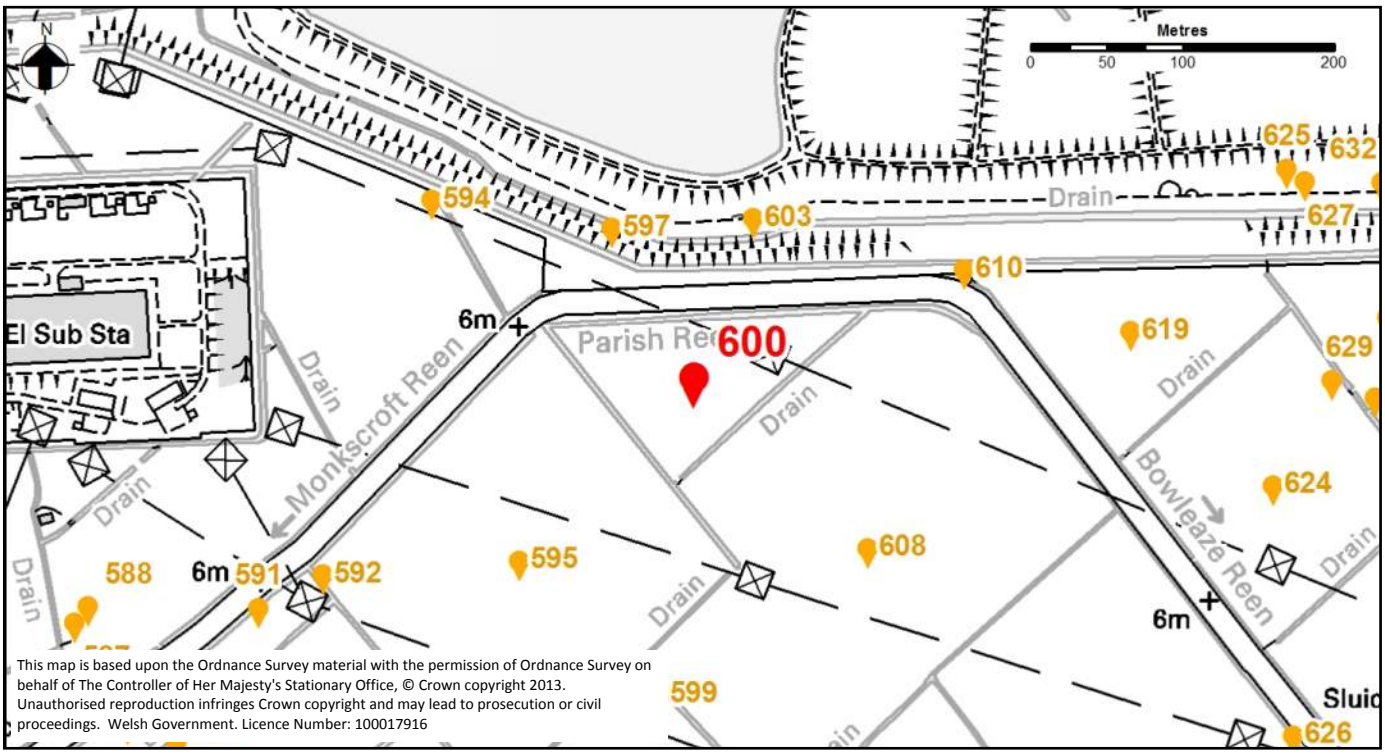

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	601	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Nettle, dock, hogweed, yellow flag iris.

Potential for Protected Species:

Target Note Location Map:

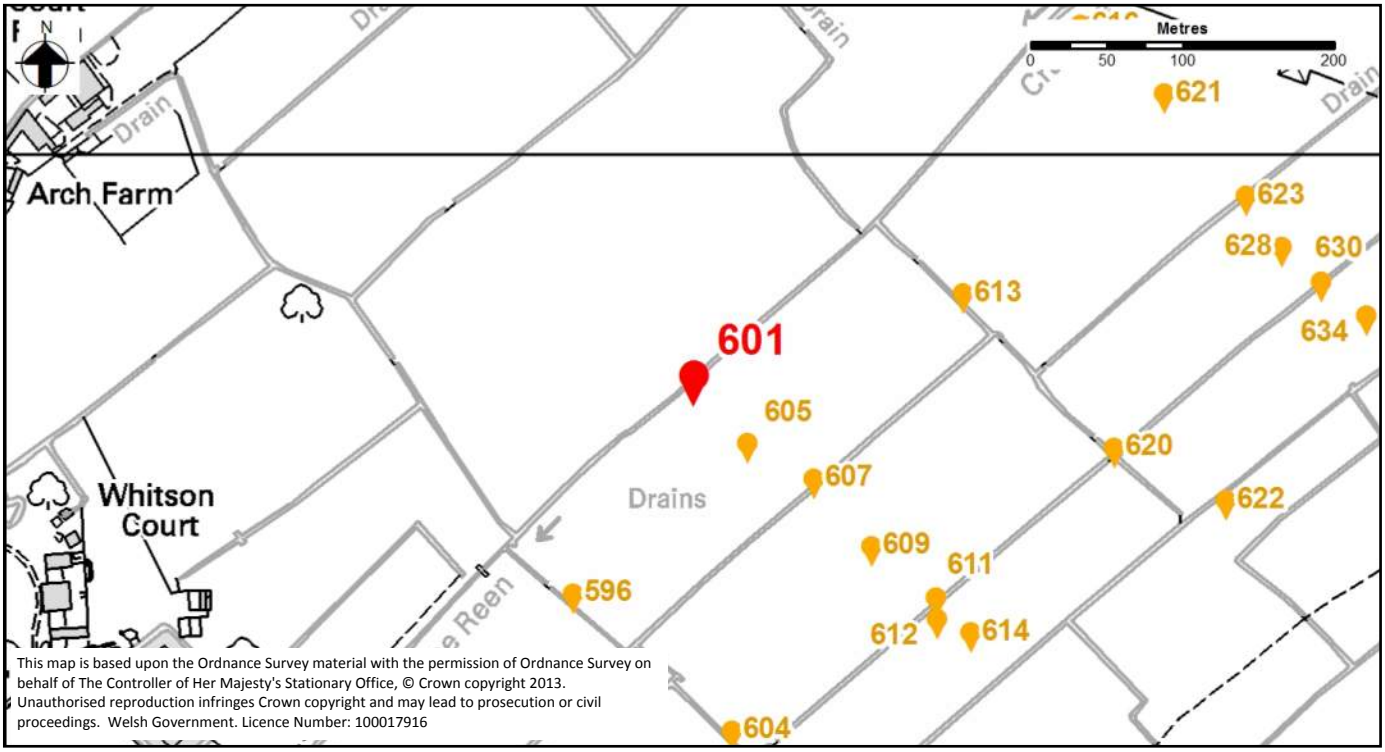

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	603	Date:	03-04-2014 12:39	GPS:	51.57, -2.9

Dominant Habitats:

Scrub

Potential for Protected Species:

Badger

Target Note:

Reed material has been dragged across track and into patch of scrub.

Target Note Location Map:

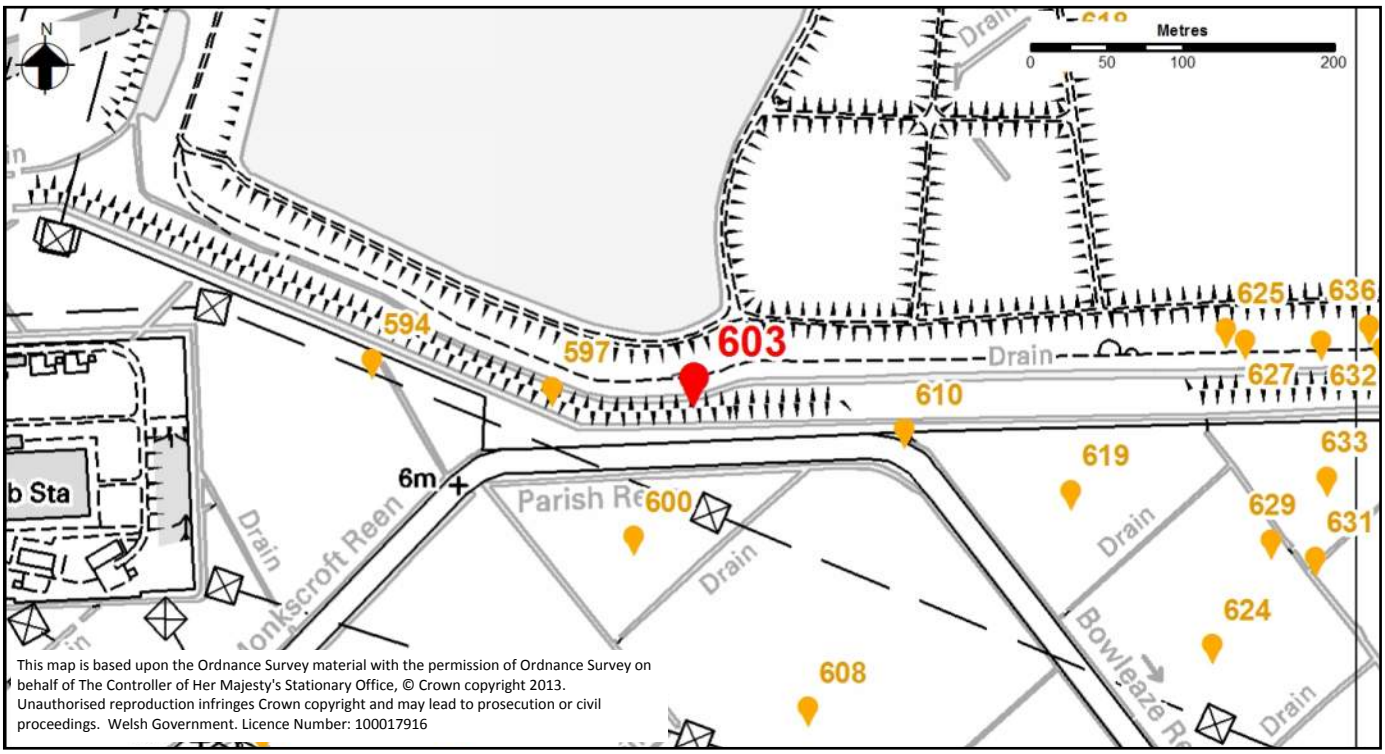

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	604	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Common nettle, hogweed, perennial ryegrass, buttercup, hedge bindweed, figwort.

Potential for Protected Species:

Target Note Location Map:

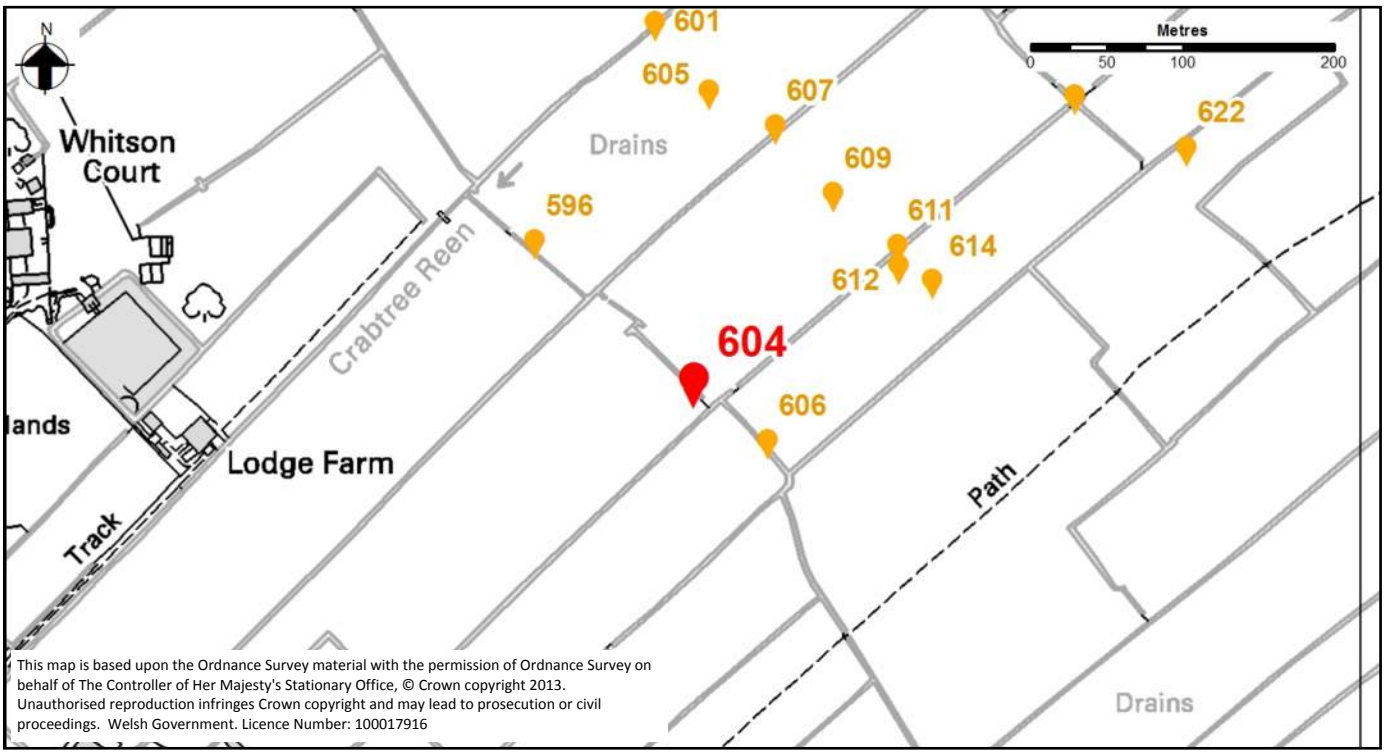

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	605	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, red clover, greater plantain, dandelion sp., dock sp., creeping thistle

Potential for Protected Species:

Target Note Location Map:

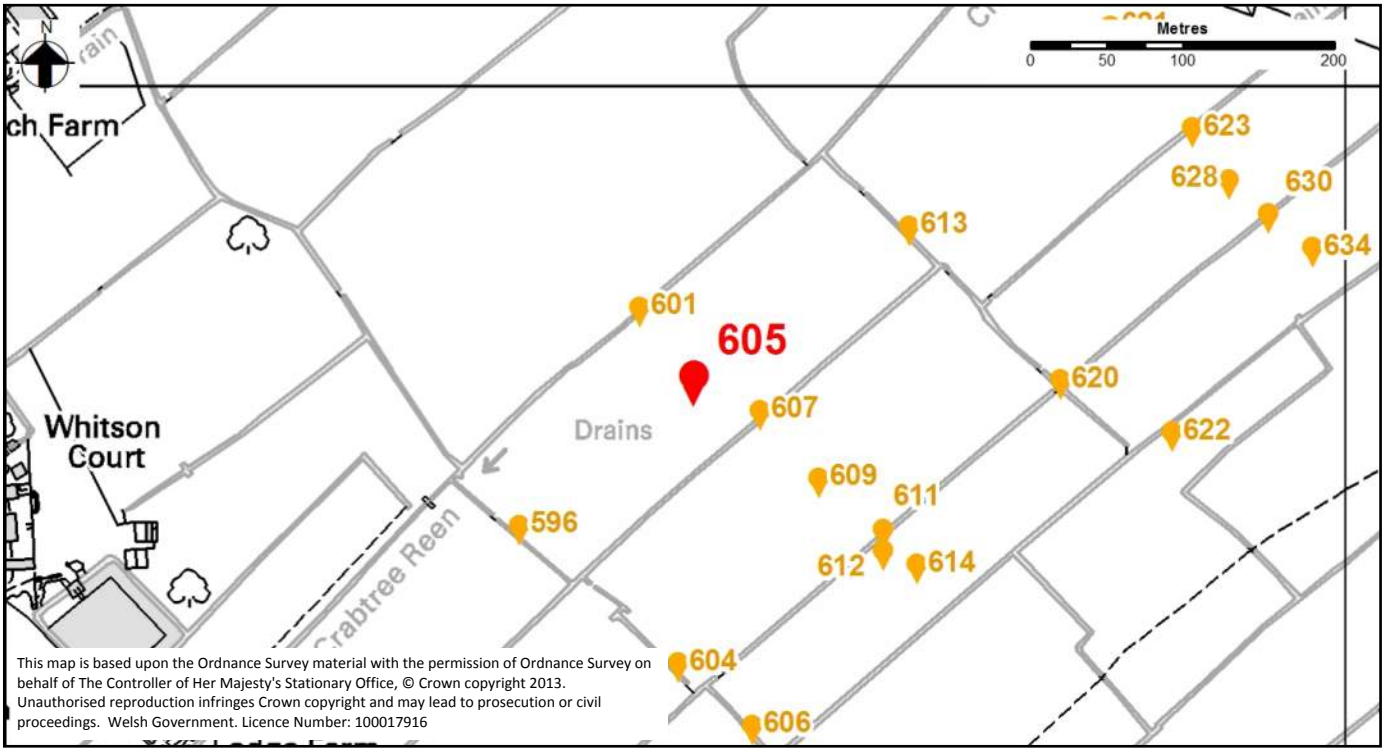

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	606	Date:	22-08-2014 12:22	GPS:	51.56, -2.9

Dominant Habitats:

Hedgerow

Target Note:

Bat potential roost features in oak

Potential for Protected Species:

Bats

Target Note Location Map:

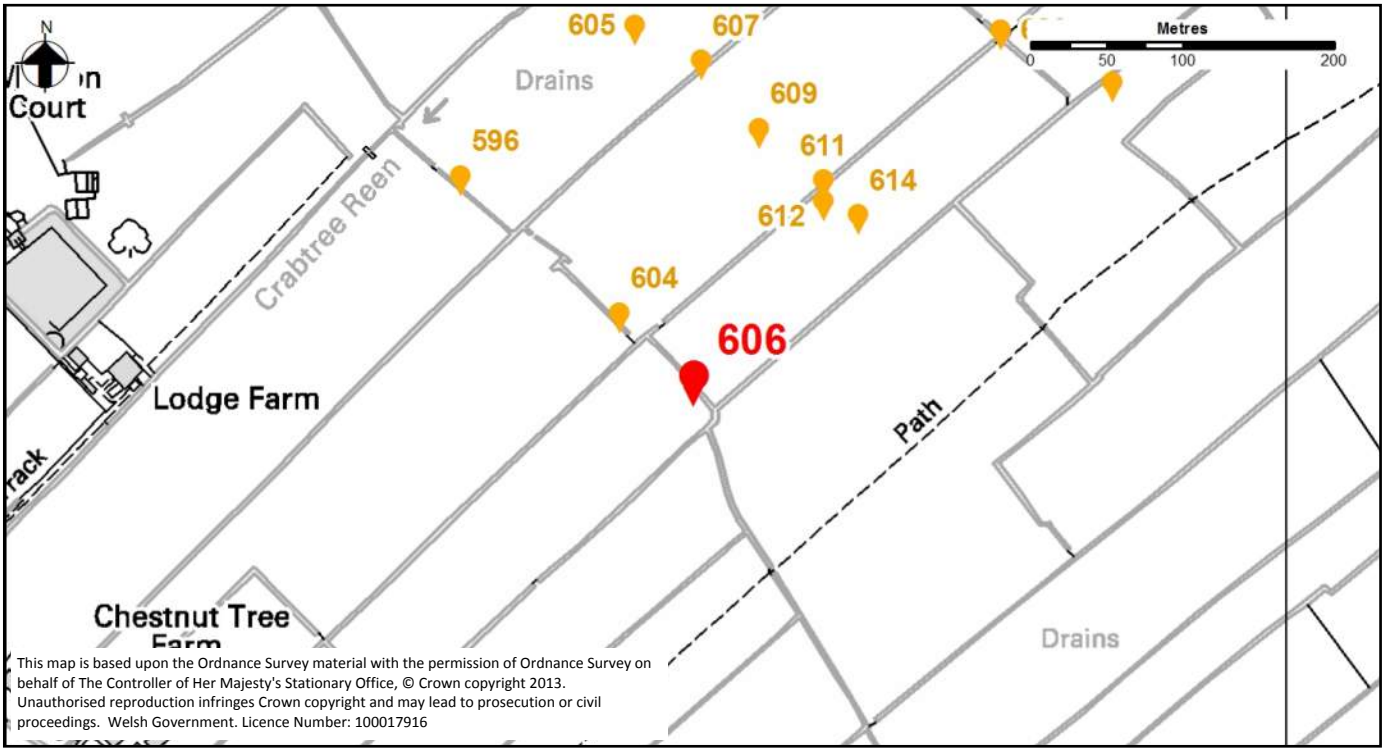

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	607	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Phragmites, hogweed

Potential for Protected Species:

Target Note Location Map:

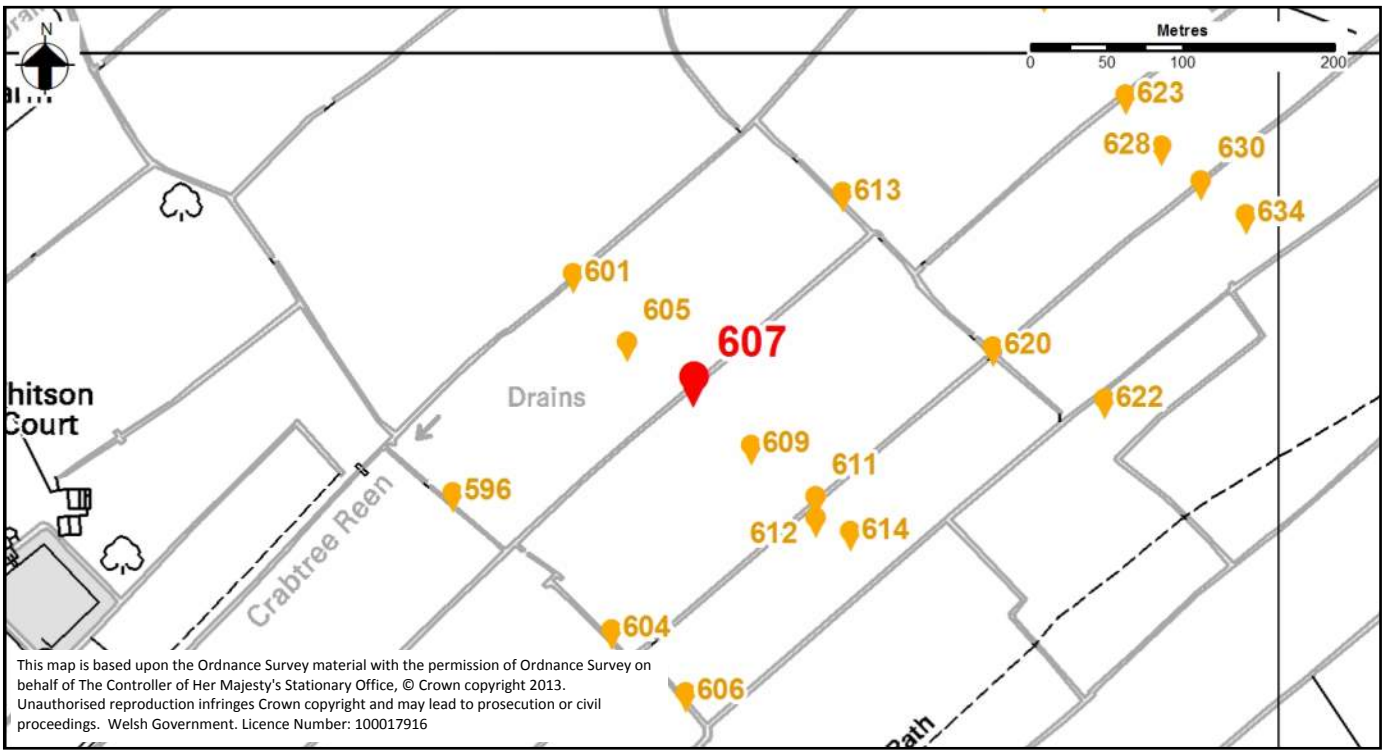

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	608	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow foxtail, creeping thistle, kidney vetch, great willowherb, nettle, meadow foxtail

Potential for Protected Species:

Target Note Location Map:

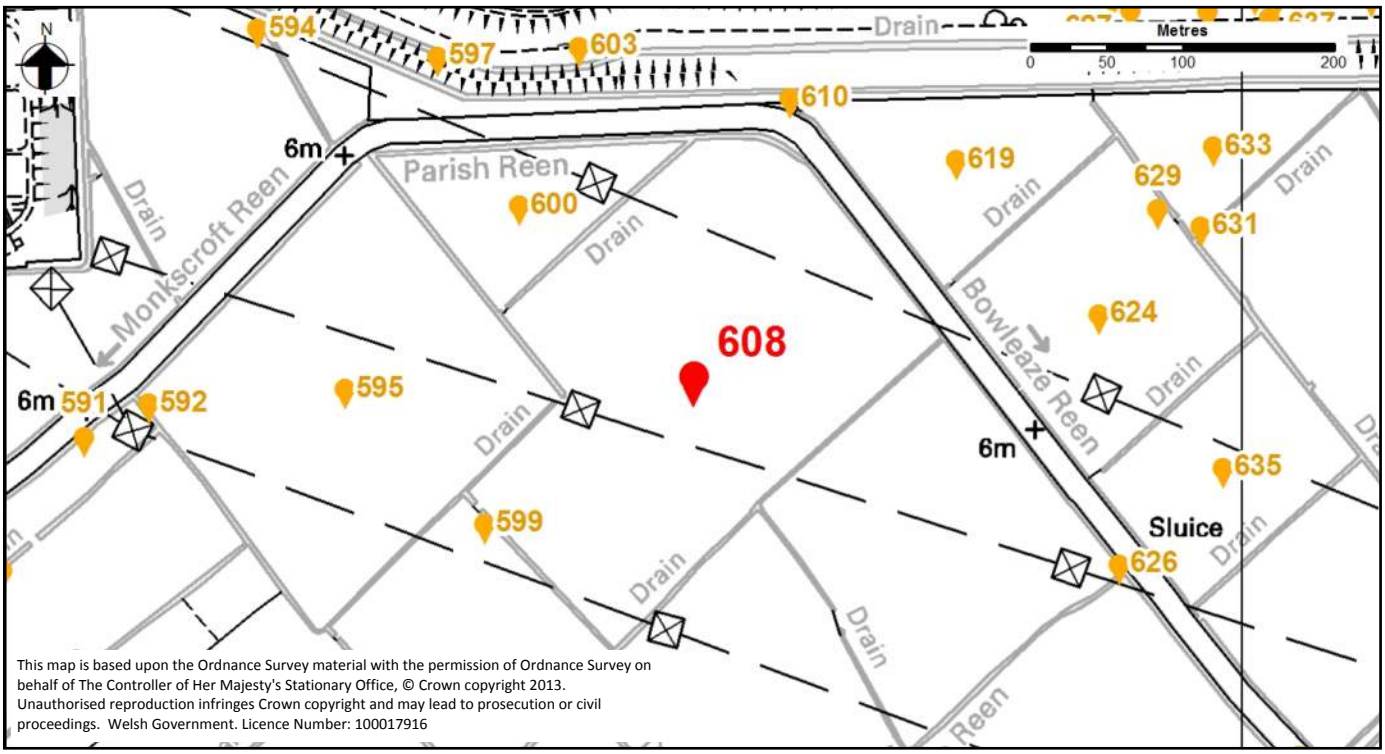

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	609	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, red clover, greater plantain, dandelion sp., dock sp., creeping thistle

Potential for Protected Species:

Target Note Location Map:

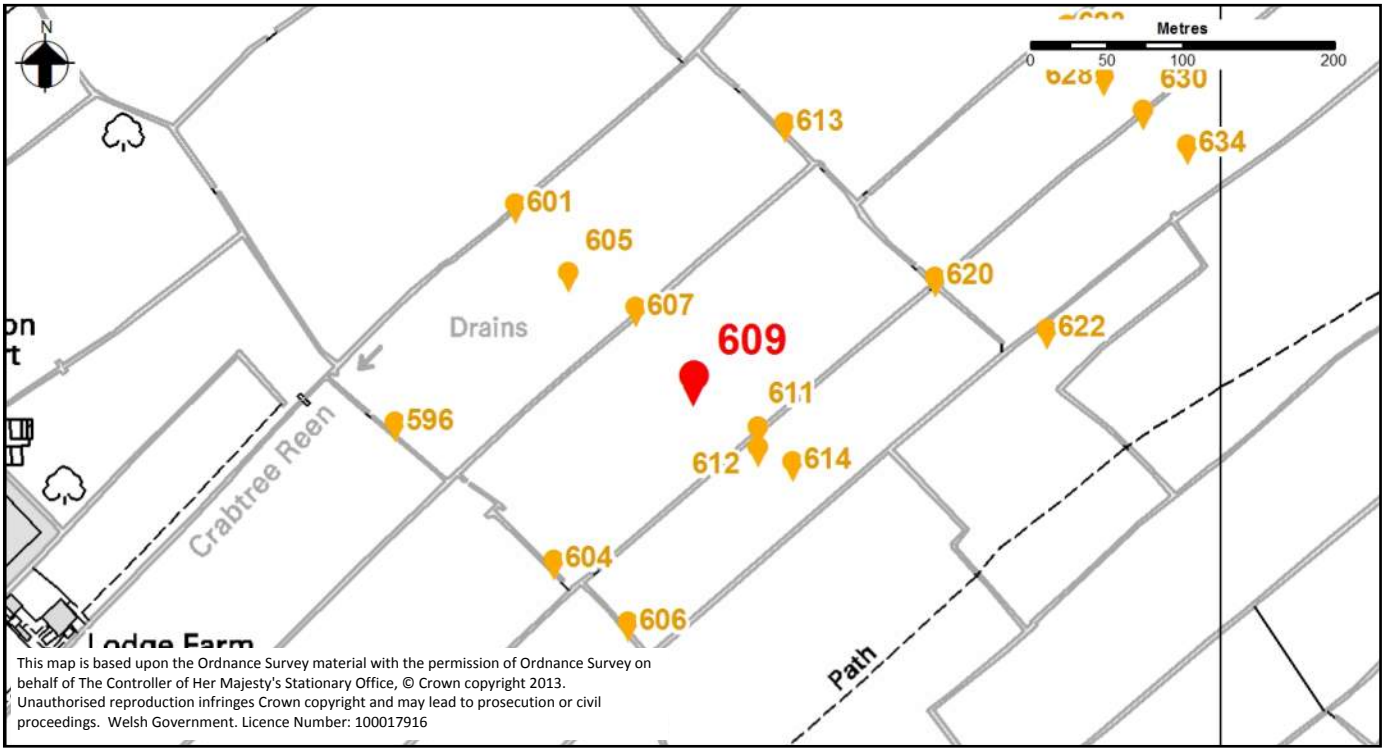

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	610	Date:	06-08-2014	GPS:	51.57, -2.9

Dominant Habitats:

Improved grassland

Target Note:

Refugia (fly tipping) and soil tip

Potential for Protected Species:

Reptiles and amphibians

Target Note Location Map:

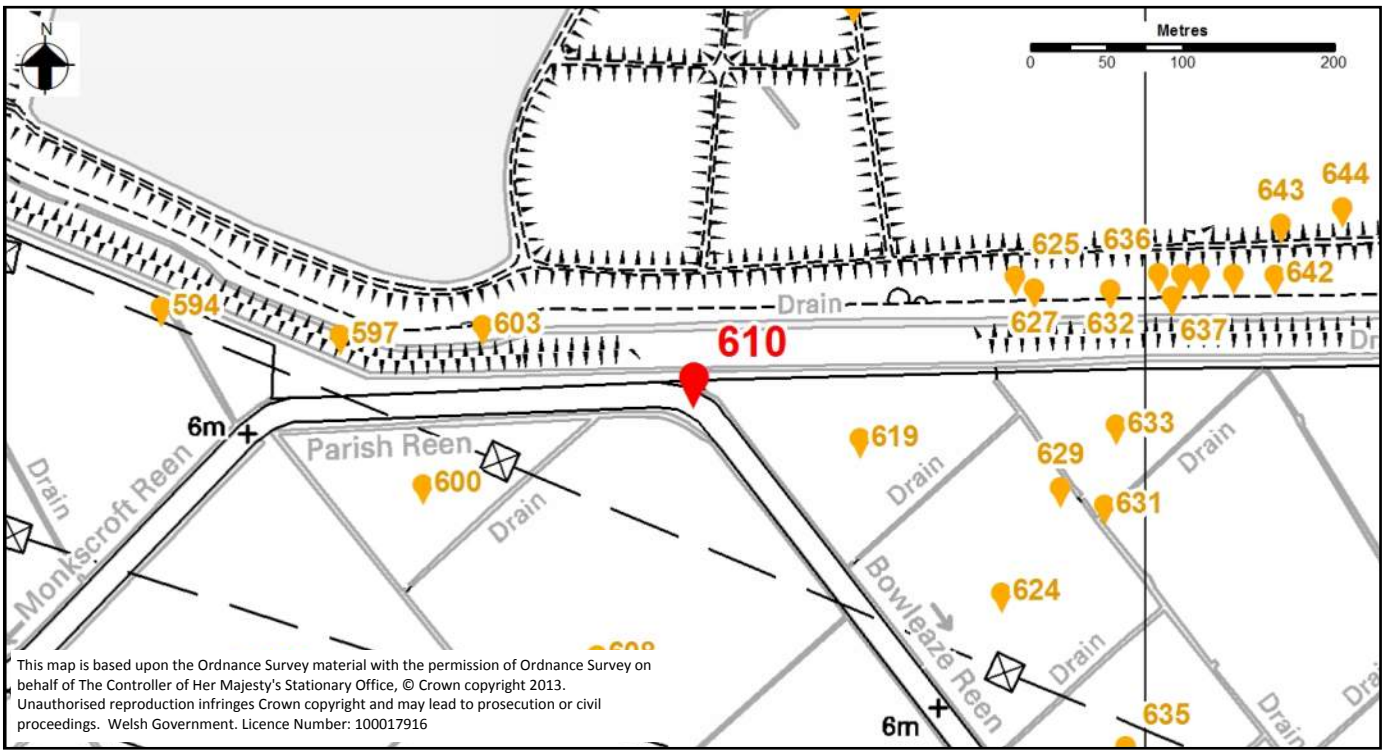

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	611	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Bulrush, great willow herb, hedge bindweed, bramble, nettle, thistle, yellow flag iris, hawthorn

Potential for Protected Species:

Target Note Location Map:

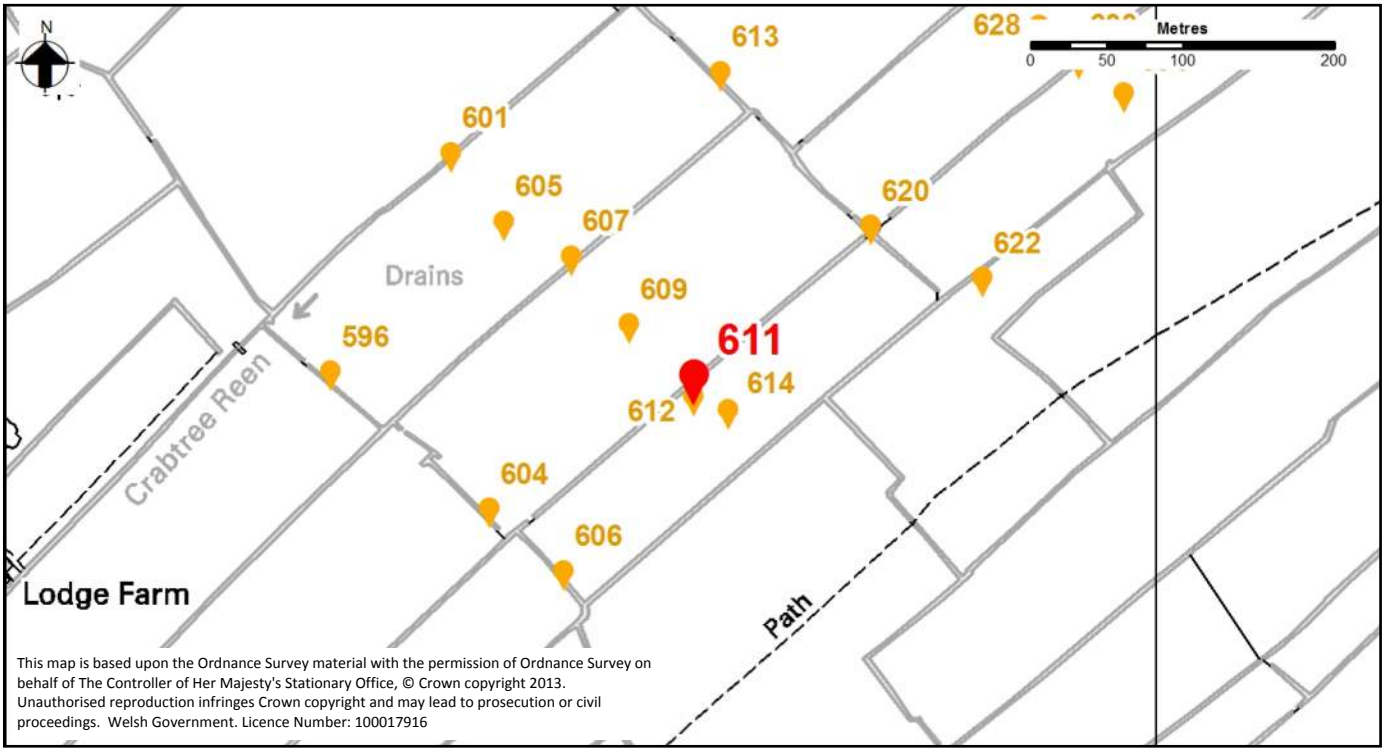

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	612	Date:	22-08-2014 12:49	GPS:	51.56, -2.9

Dominant Habitats:

Hedgerow

Target Note:

Hedgerow with badger and bat potential

Potential for Protected Species:

Badger
Bats

Target Note Location Map:

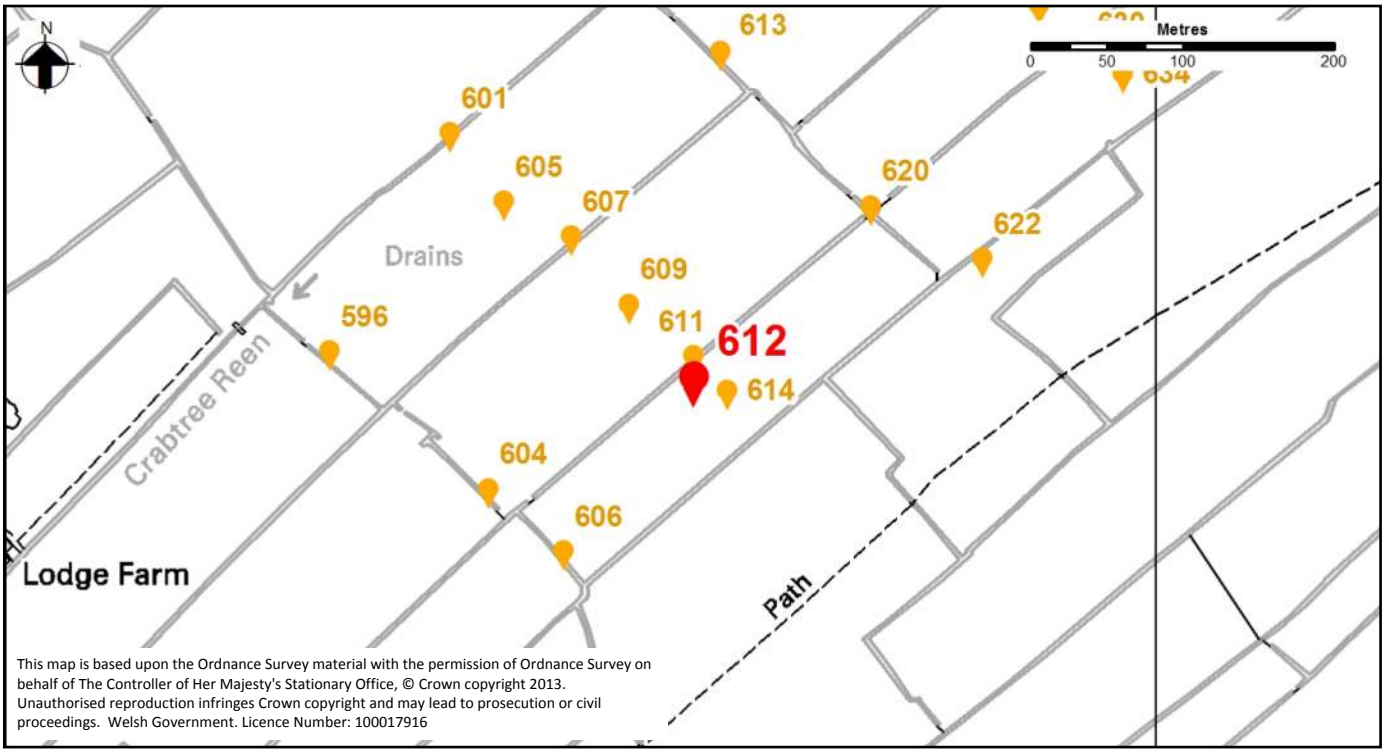

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	613	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Hogweed, creeping thistle, buttercup, nettles, bramble, hedge bindweed

Potential for Protected Species:

Target Note Location Map:

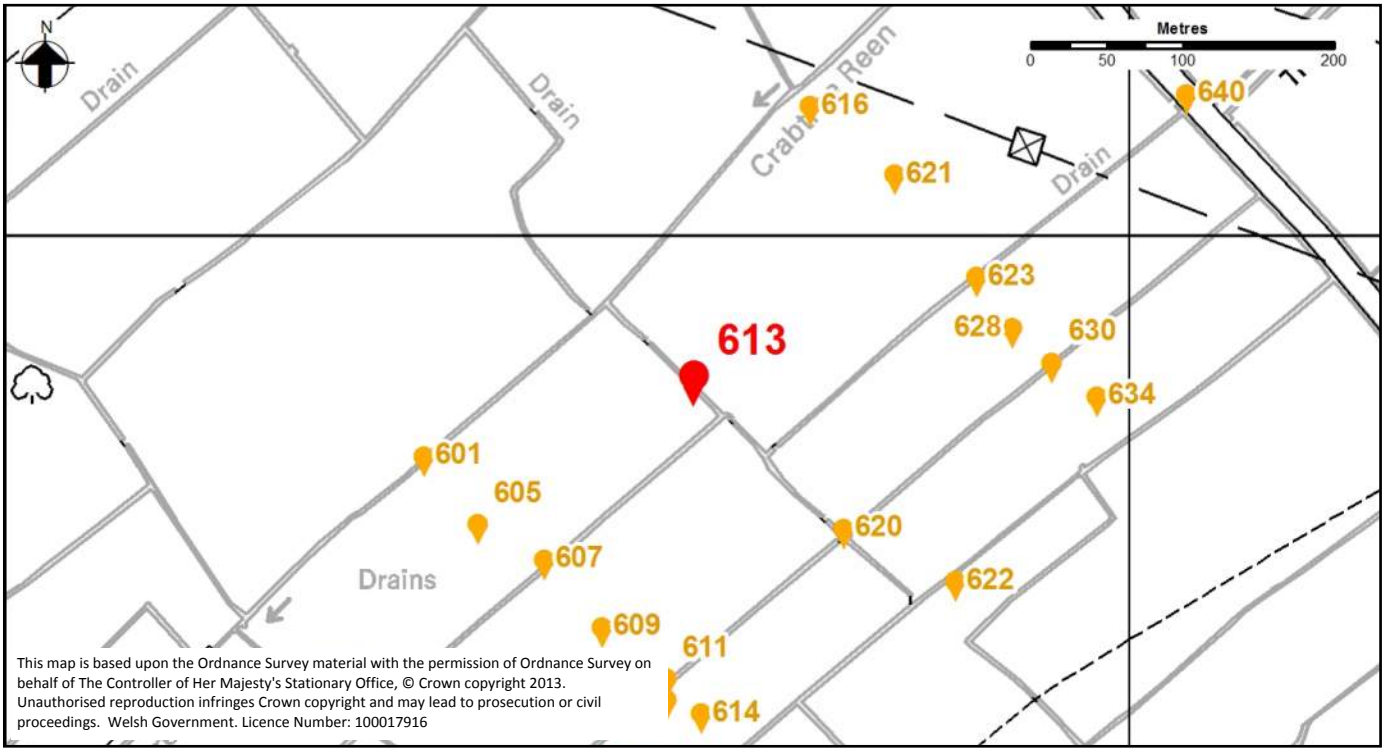

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	614	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, red clover, greater plantain, dandelion sp., dock sp., creeping thistle

Potential for Protected Species:

Target Note Location Map:

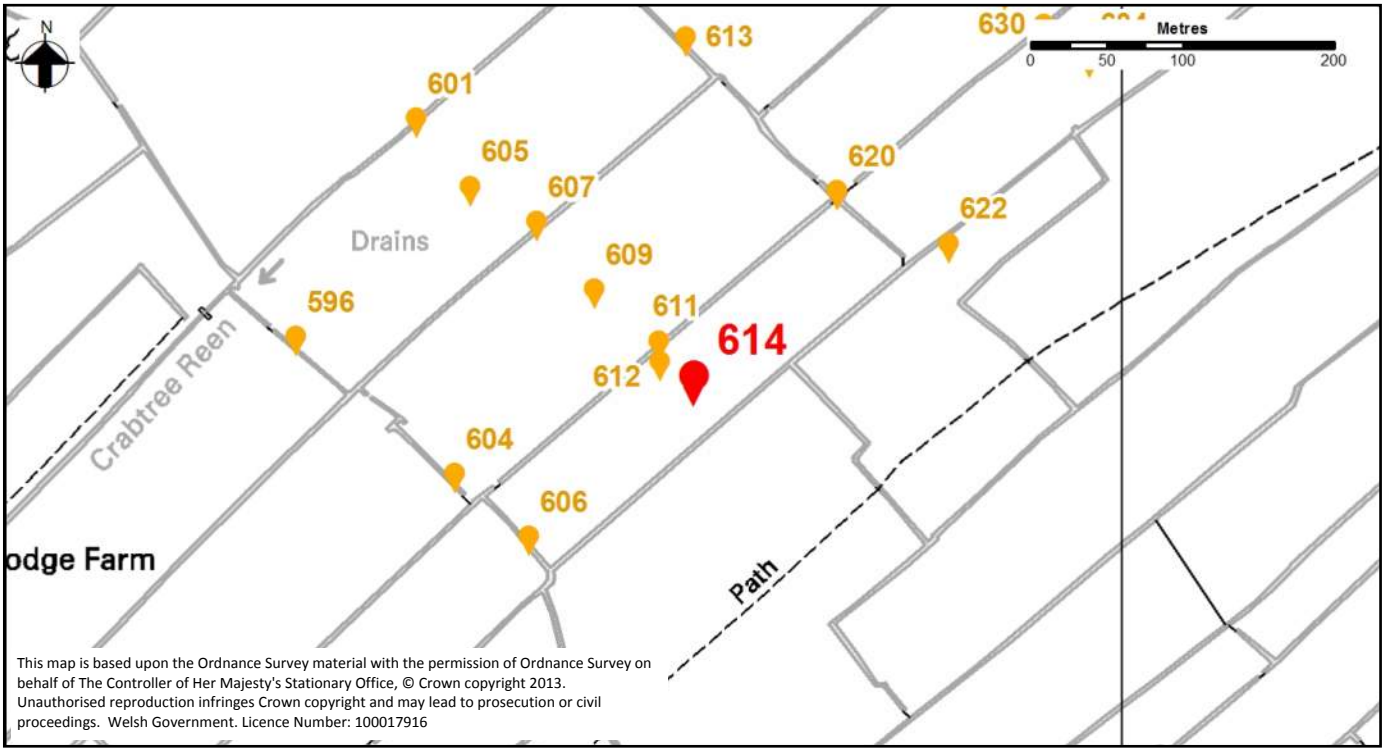

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	615	Date:	05-08-2014 11:11	GPS:	51.57, -2.9

Dominant Habitats:

Reen, scrub

Target Note:

Bumble bee ground nest found

Potential for Protected Species:

Target Note Location Map:

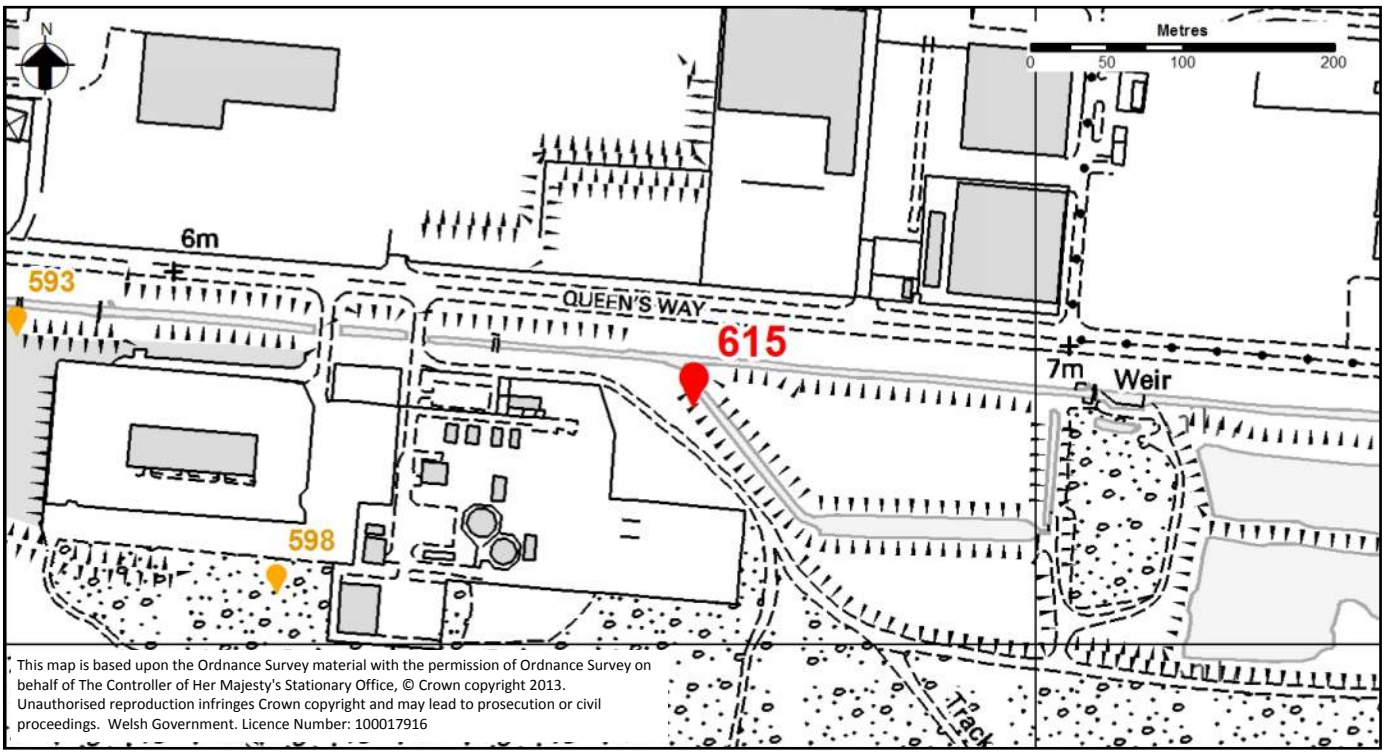

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	616	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Lily sp., bramble, hogweed, reed sweet grass, Juncus sp., yellow flag iris.

Potential for Protected Species:

Target Note Location Map:

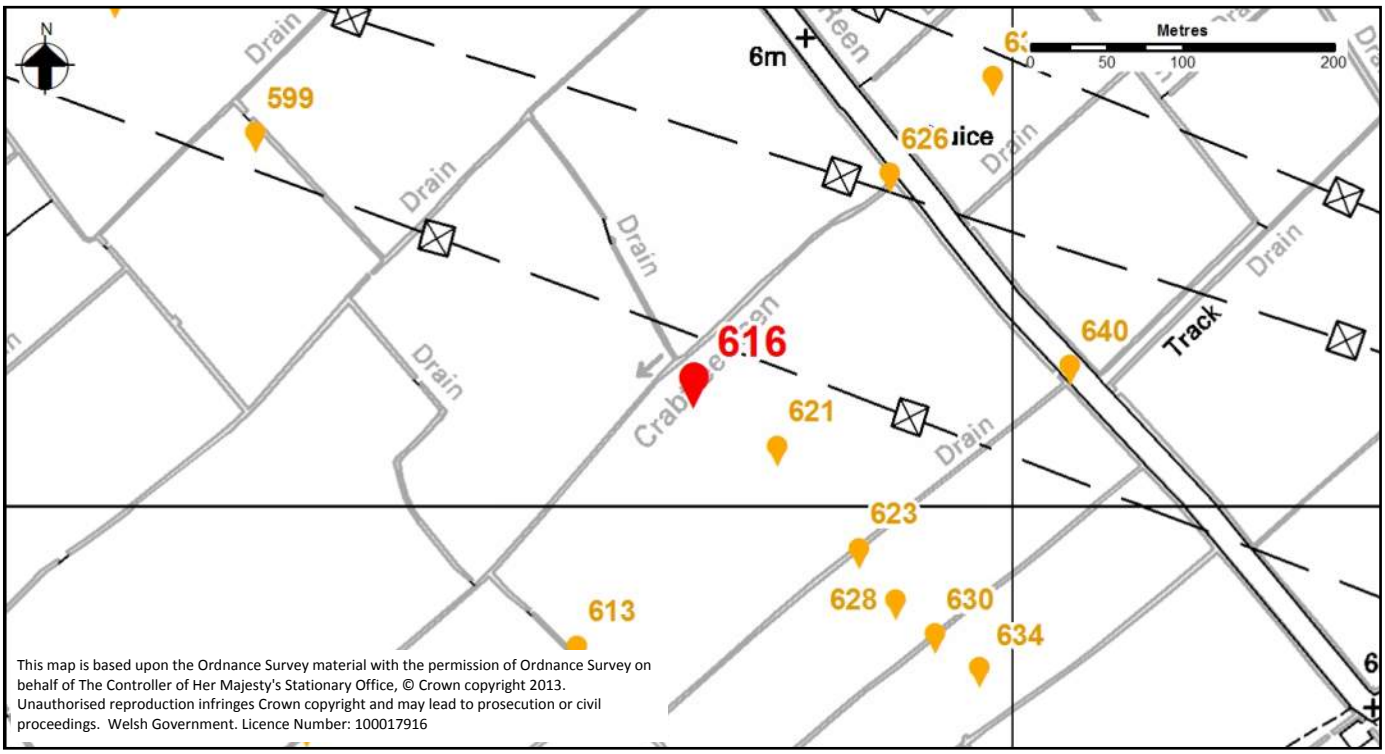

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	617	Date:	27-10-2014	GPS:	51.57, -2.9

Dominant Habitats:

Spoil

Target Note:

Spoil with scattered buddleia, mosses, lichen, sedums

Potential for Protected Species:

Target Note Location Map:

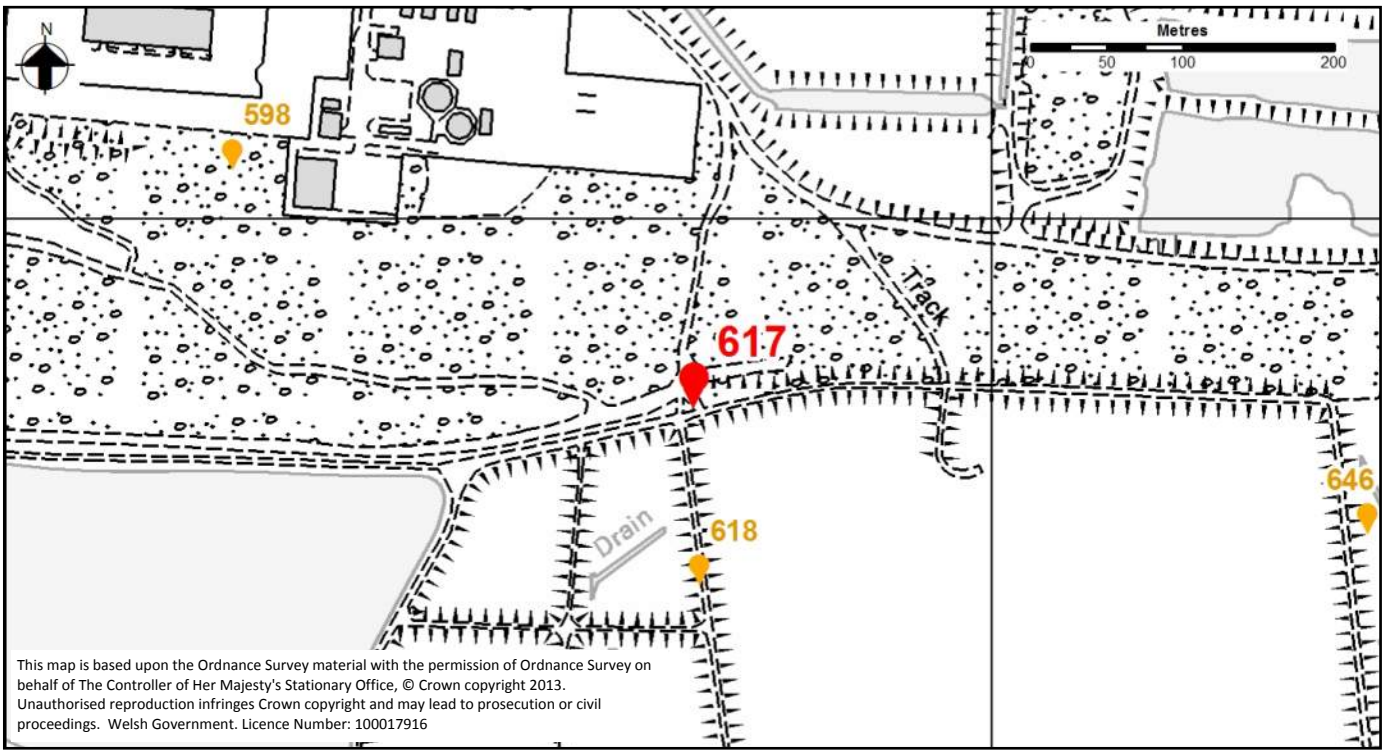

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	618	Date:	27-10-2014	GPS:	51.57, -2.9

Dominant Habitats:

Running water

Target Note:

Large fish present

Potential for Protected Species:

Target Note Location Map:

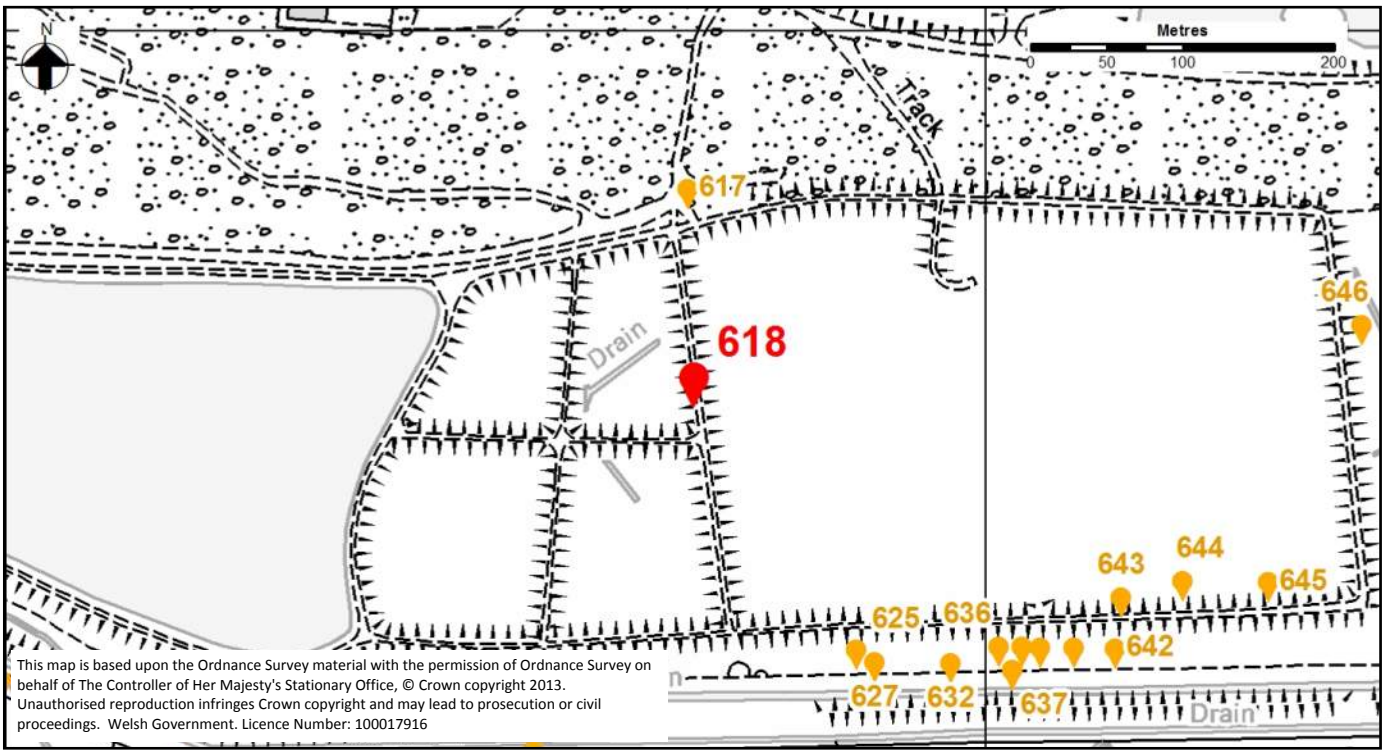

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	619	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Red clover, Phragmites, great willowherb, viewed from boundary.

Potential for Protected Species:

Target Note Location Map:

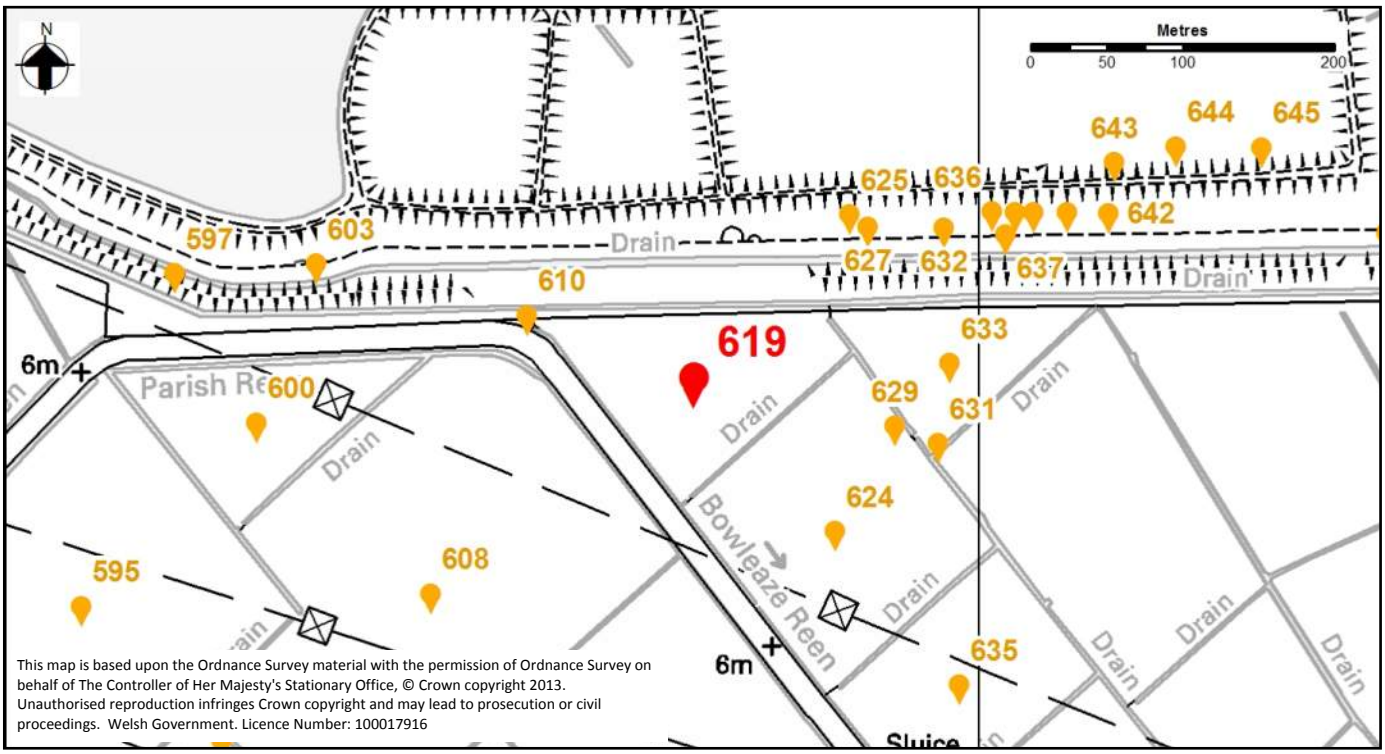

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	620	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Hedge bindweed, nettle, blackthorn, bramble, great willowherb

Potential for Protected Species:

Target Note Location Map:

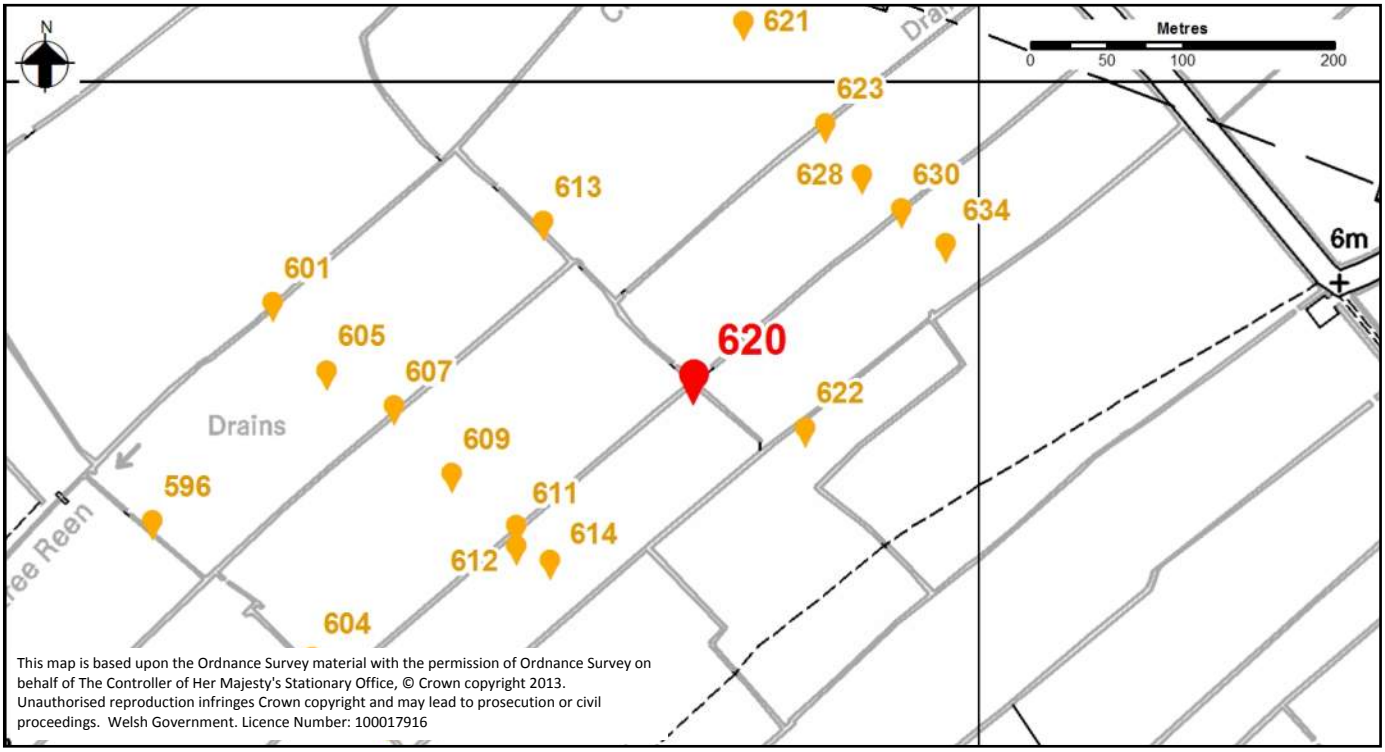

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	621	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, red clover, greater plantain, dandelion sp., dock sp., creeping thistle

Potential for Protected Species:

Target Note Location Map:

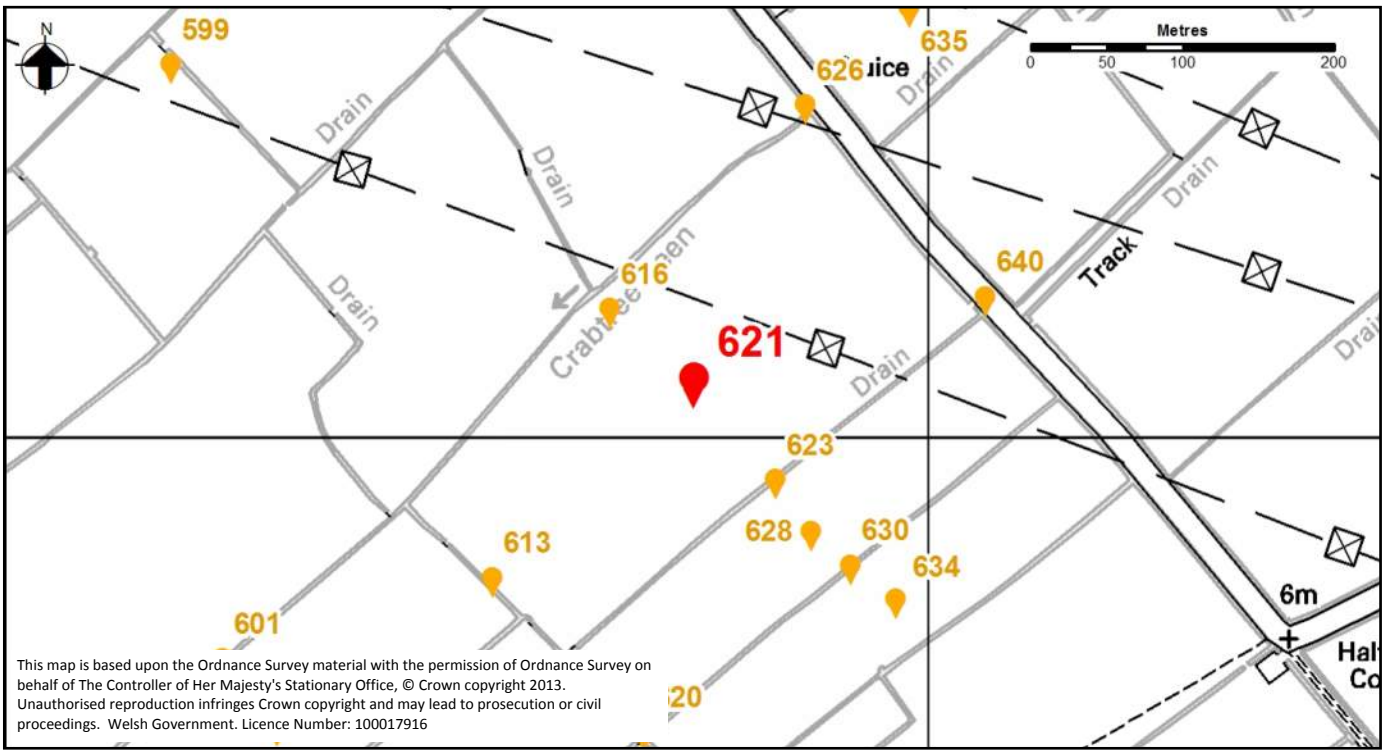

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	622	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Yellow flag iris, great willowherb, hogweed, nettle, reed sweet grass, rushes, bramble, duckweed, buttercup species

Potential for Protected Species:

Target Note Location Map:

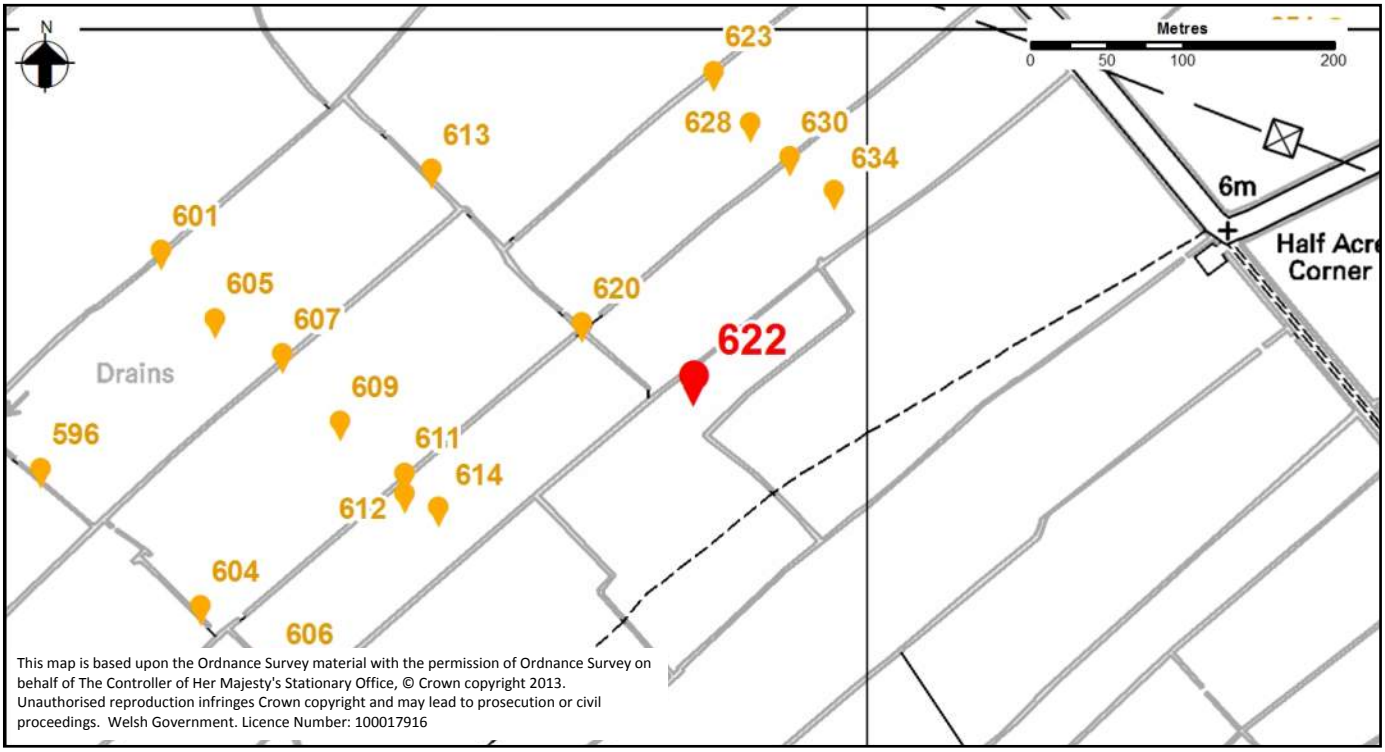

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	623	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Yellow flag, bramble, lily sp., hedge bindweed, great willowherb, hogweed, nettle.

Potential for Protected Species:

Target Note Location Map:

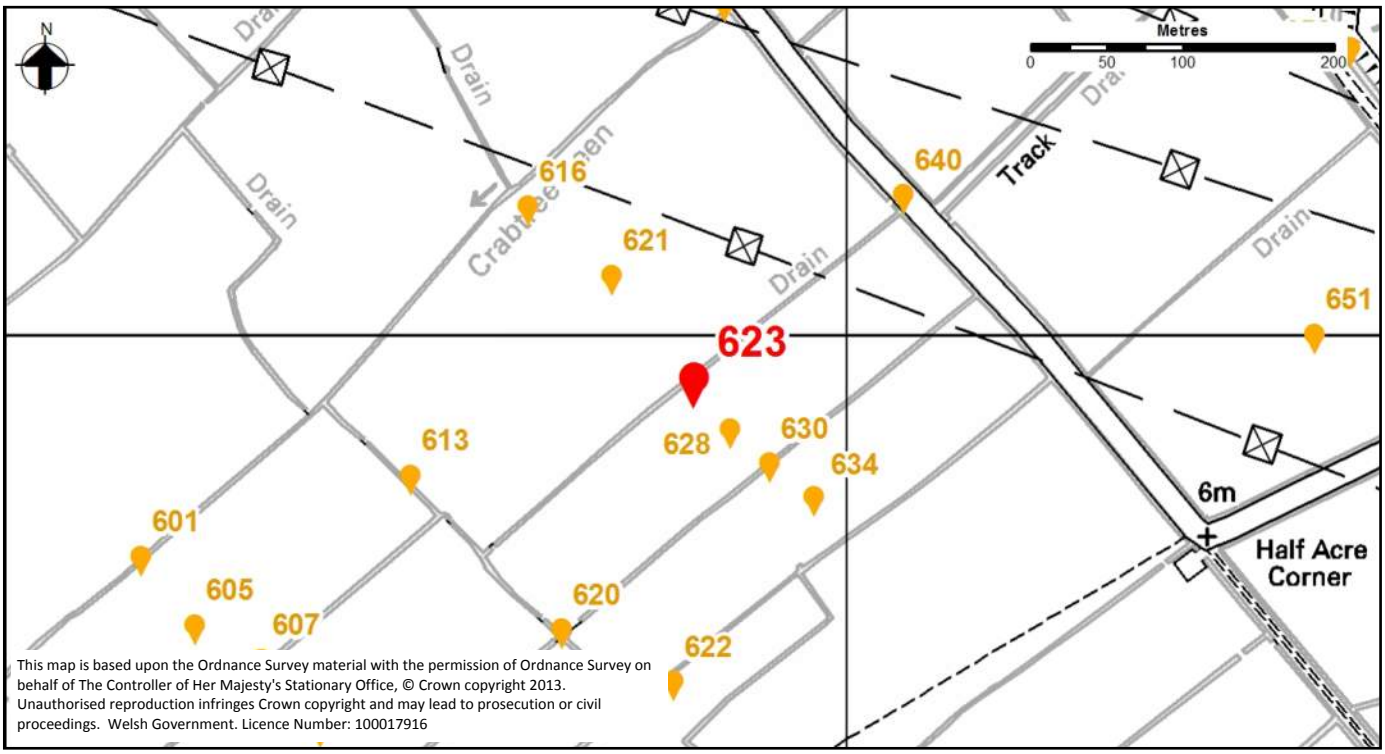

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	624	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Hedge bindweed, kidney vetch, creeping buttercup, great willowherb, wild carrot, red clover

Potential for Protected Species:

Target Note Location Map:

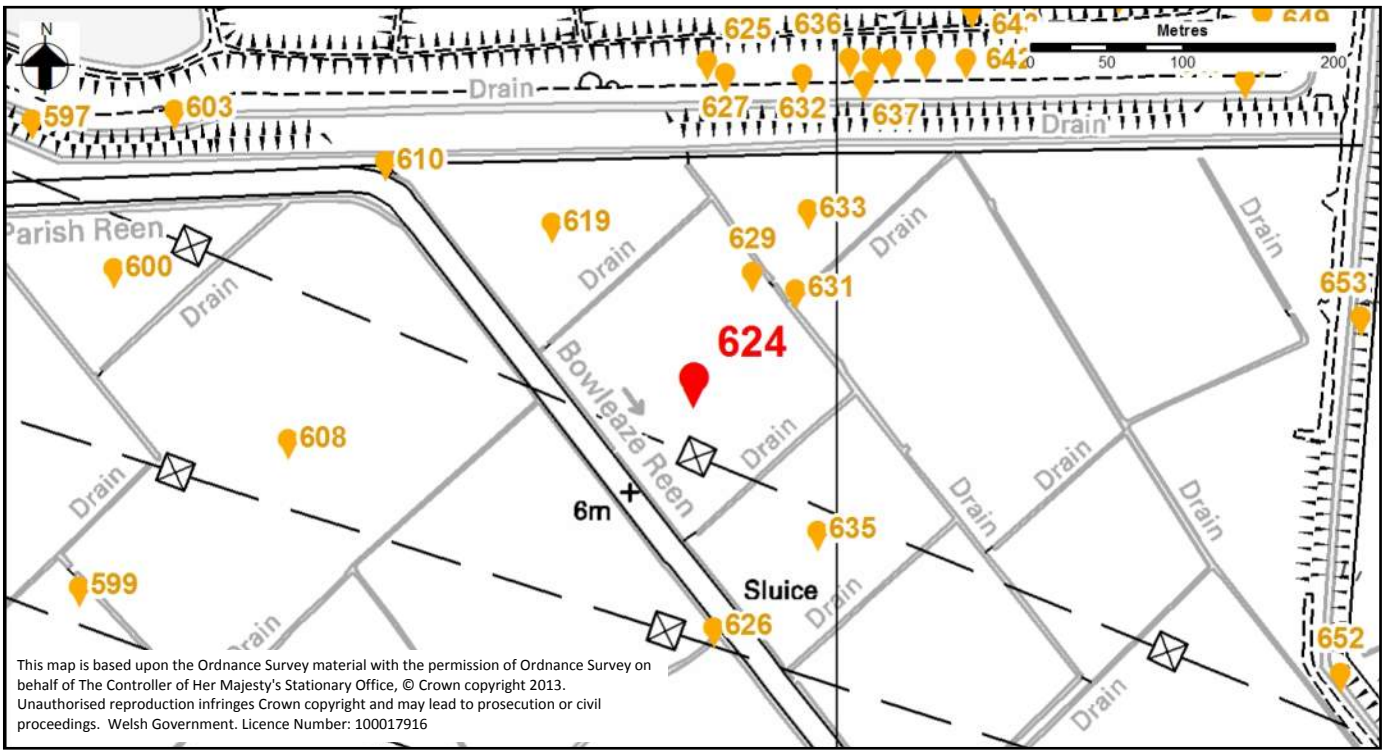

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	625	Date:	31-10-2014	GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Rabbits, fresh rabbit droppings, laying up site.

Potential for Protected Species:

Target Note Location Map:

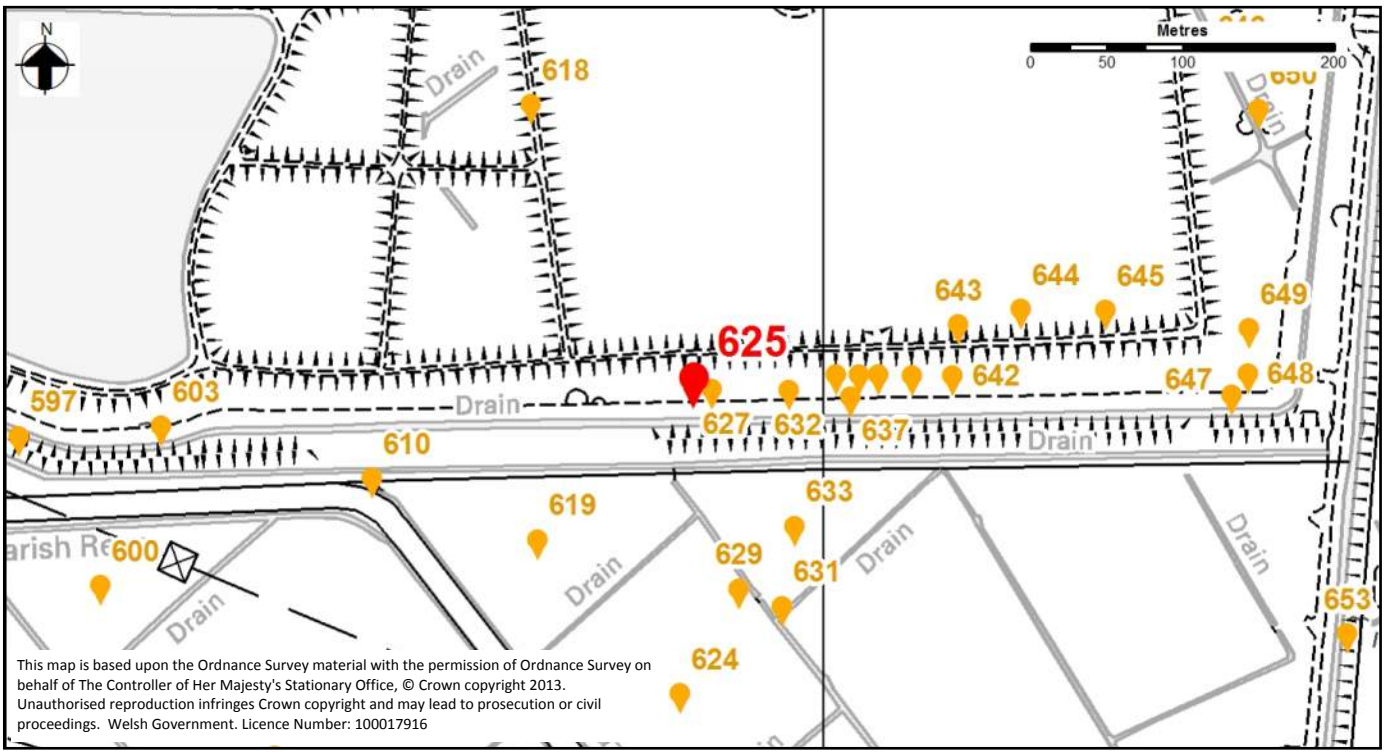

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	626	Date:	28-10-2014 11:24	GPS:	51.56, -2.9

Dominant Habitats:

Reen, livestock grazing

Potential for Protected Species:

Shrew

Target Note:

Water shrew burrows found on boat survey

Target Note Location Map:

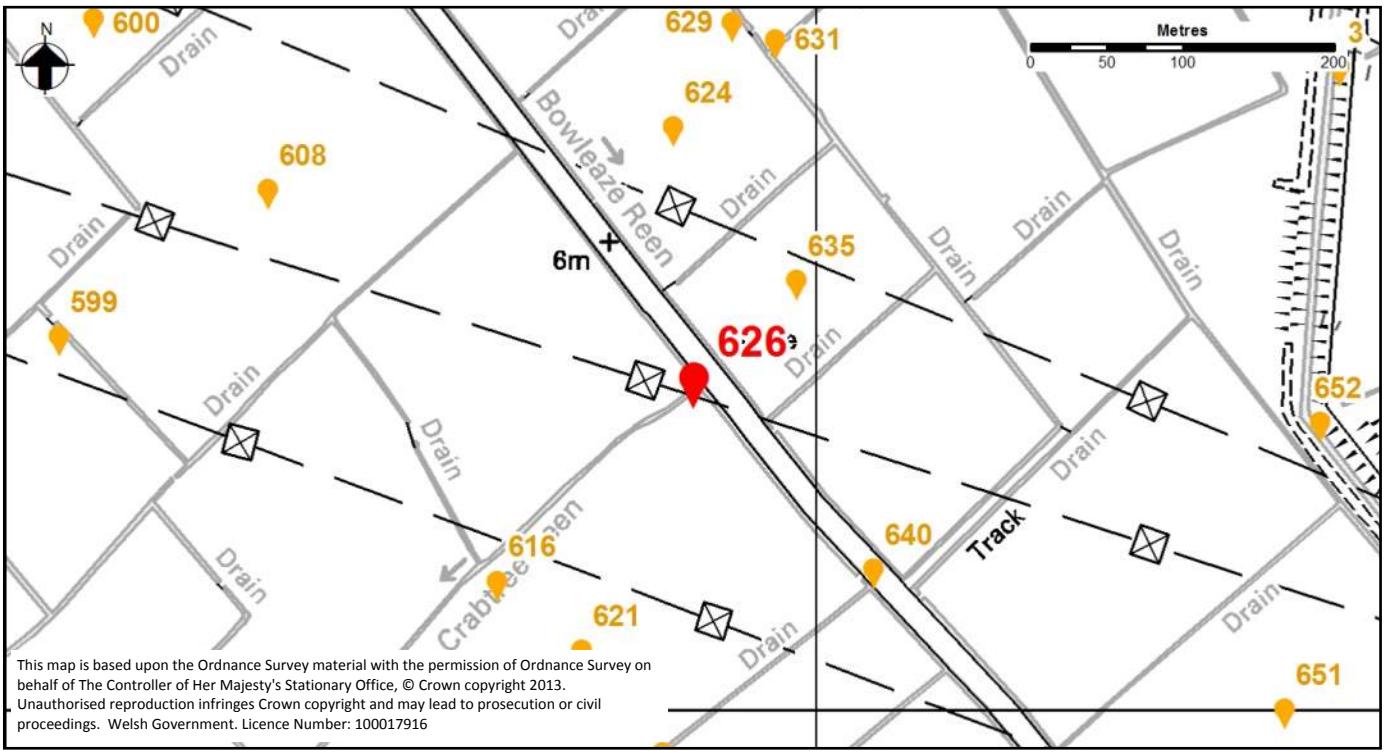

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	627	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Goat willow, Phragmites, Juncus sp. Carex sp., bramble, vetchling, bulrush.

Potential for Protected Species:

Target Note Location Map:

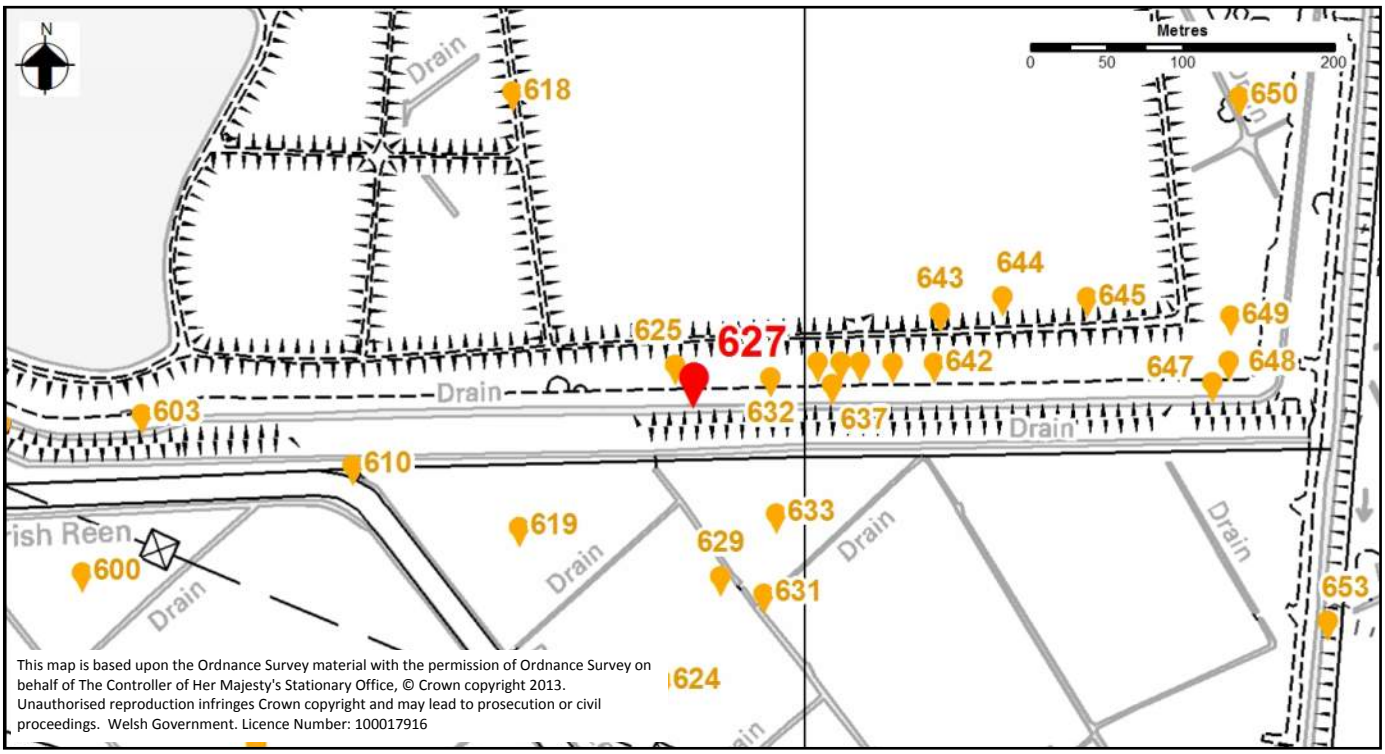

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	628	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, red clover, greater plantain, dandelion sp., dock sp., creeping thistle

Potential for Protected Species:

Target Note Location Map:

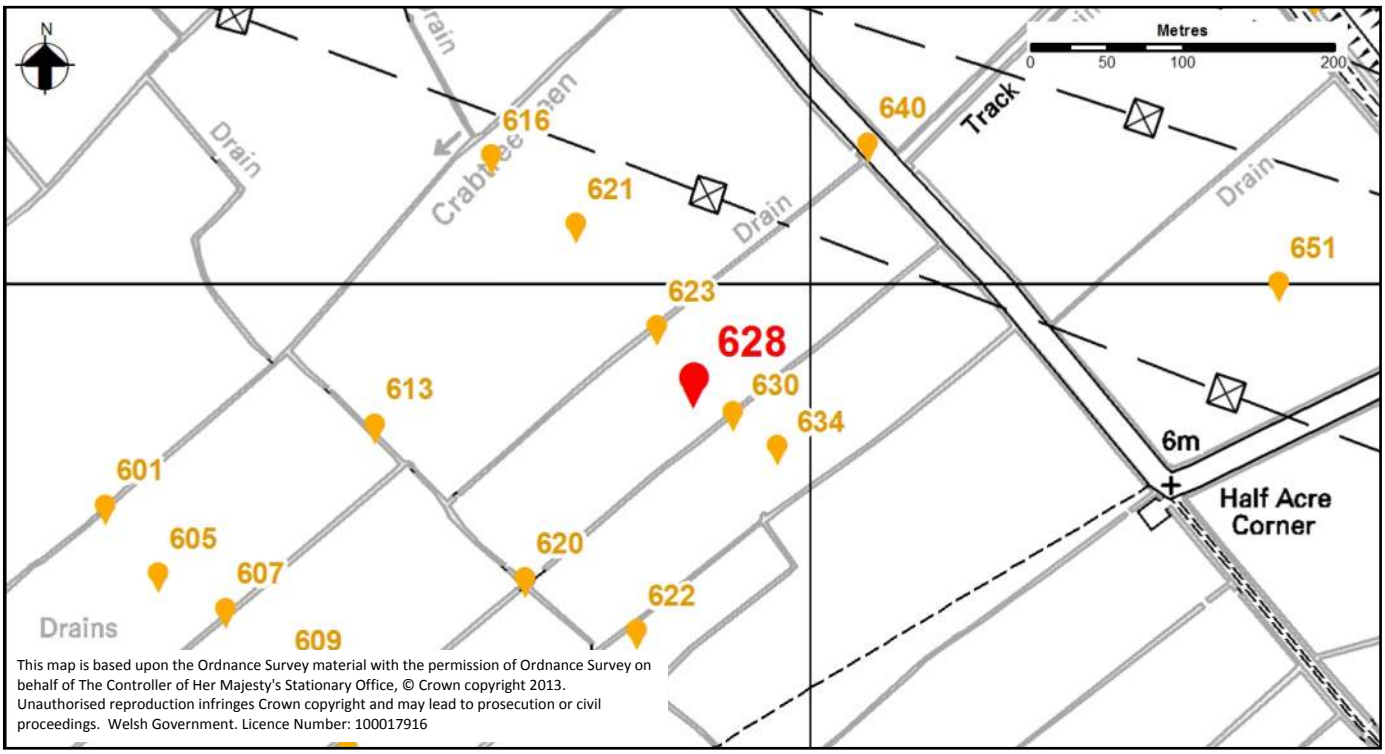

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	629	Date:	06-08-2014 11:16	GPS:	51.56, -2.9

Dominant Habitats:

Hedgerow

Target Note:

Hedgerow with bat potential

Potential for Protected Species:

Bats

Target Note Location Map:

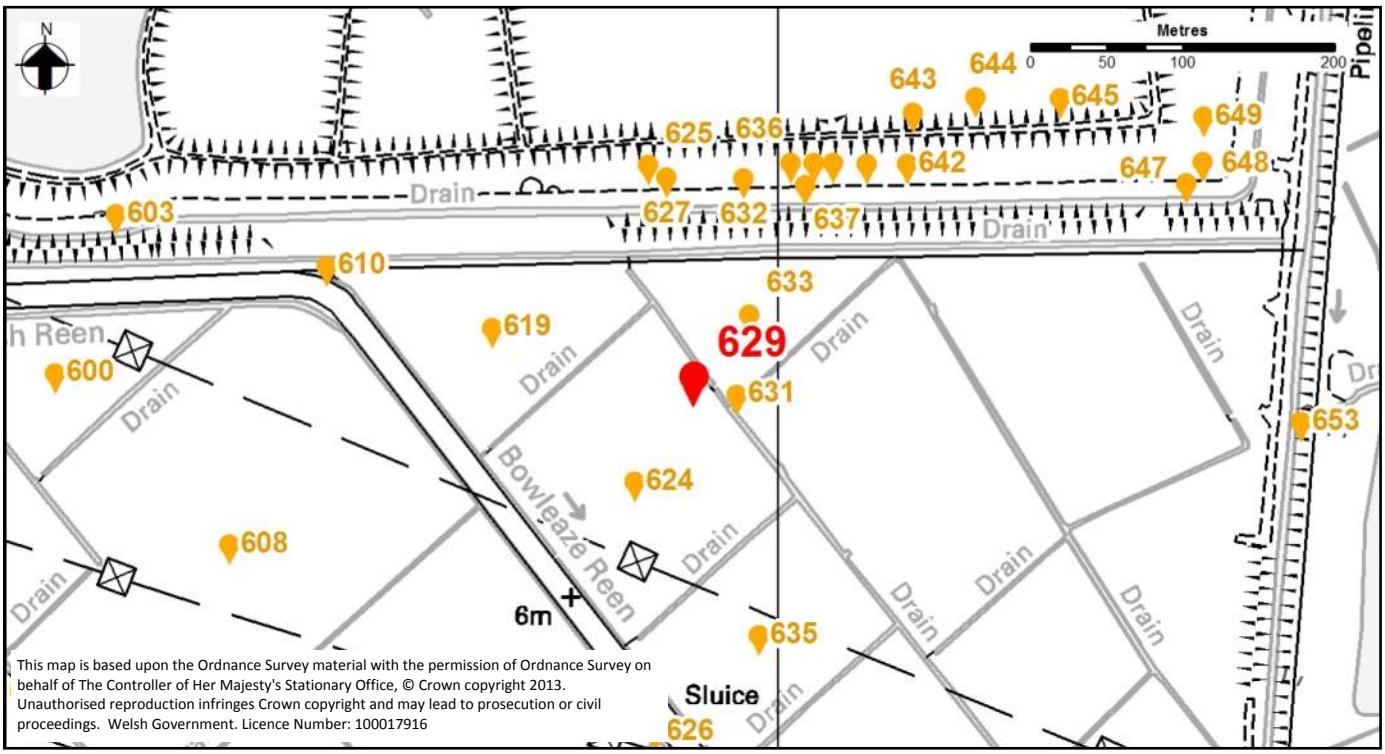

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	630	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Purple loosestrife, great willowherb, reed sweet grass, rush species, bramble, rose, Phragmites, meadow foxtail

Potential for Protected Species:

Target Note Location Map:

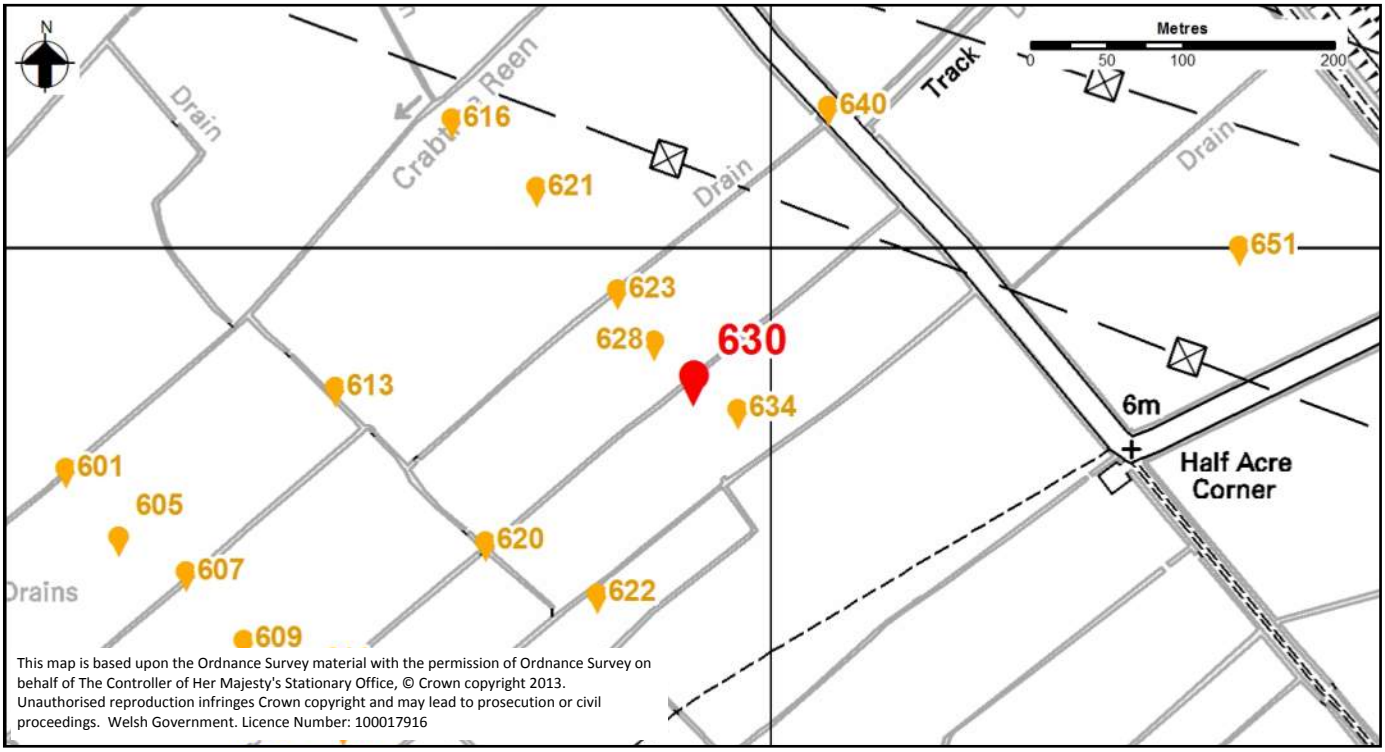

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	631	Date:	06-08-2014	GPS:	51.56, -2.9

Dominant Habitats:

Livestock grazing/grassland.

Potential for Protected Species:

Bat

Target Note:

Bat potential. Mature crack willow with ivy cover.

Target Note Location Map:

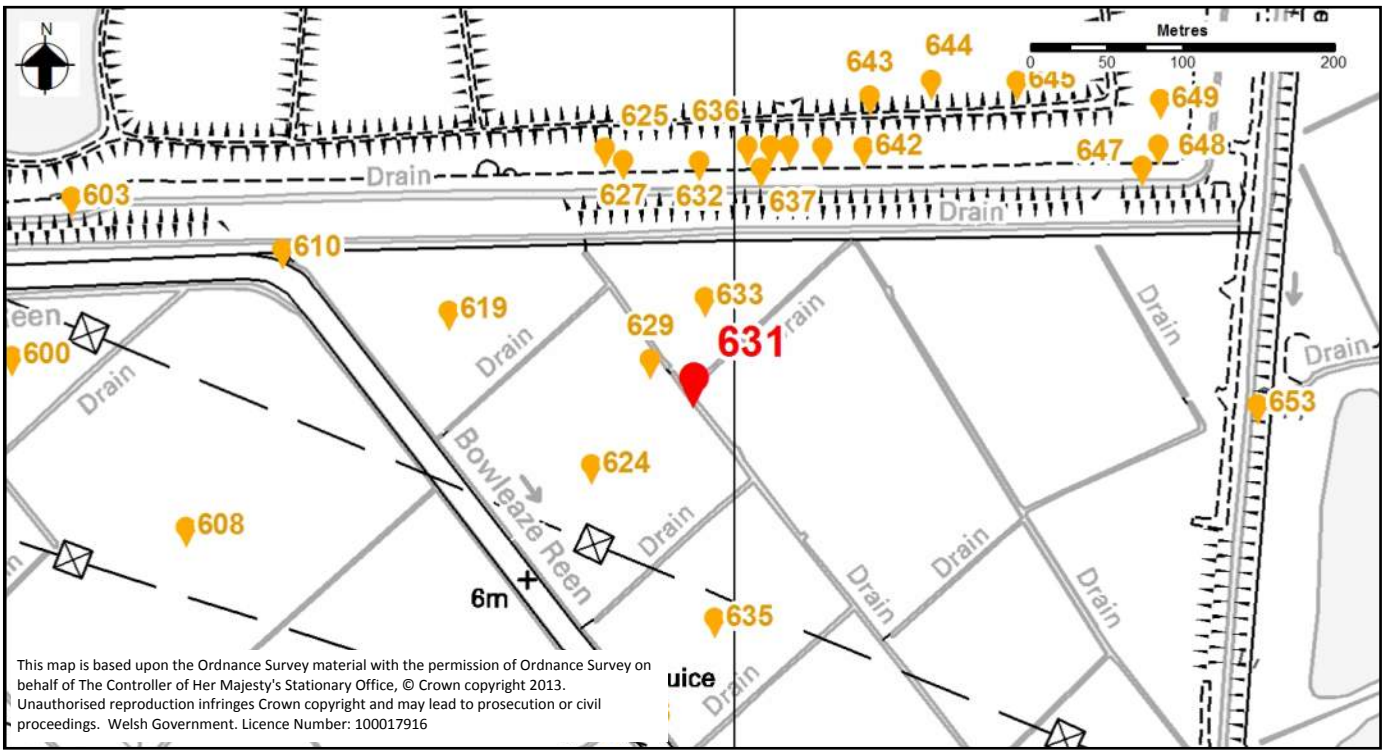

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	632	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Goat willow, oak, Juncus sp., hawthorn, Phragmites

Potential for Protected Species:

Target Note Location Map:

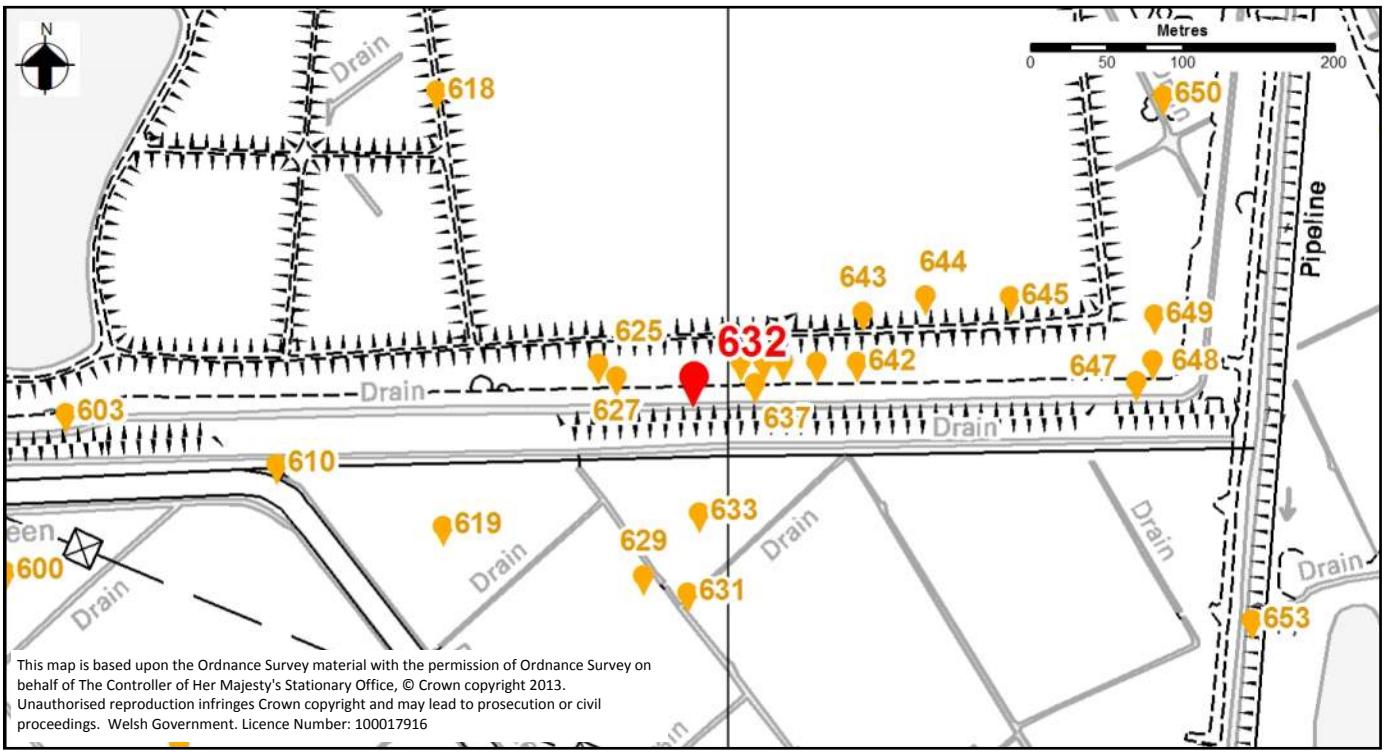

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	633	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Red clover, white clover, pineapple weed, perennial ryegrass, silverweed, Phragmites, cock's foot

Potential for Protected Species:

Target Note Location Map:

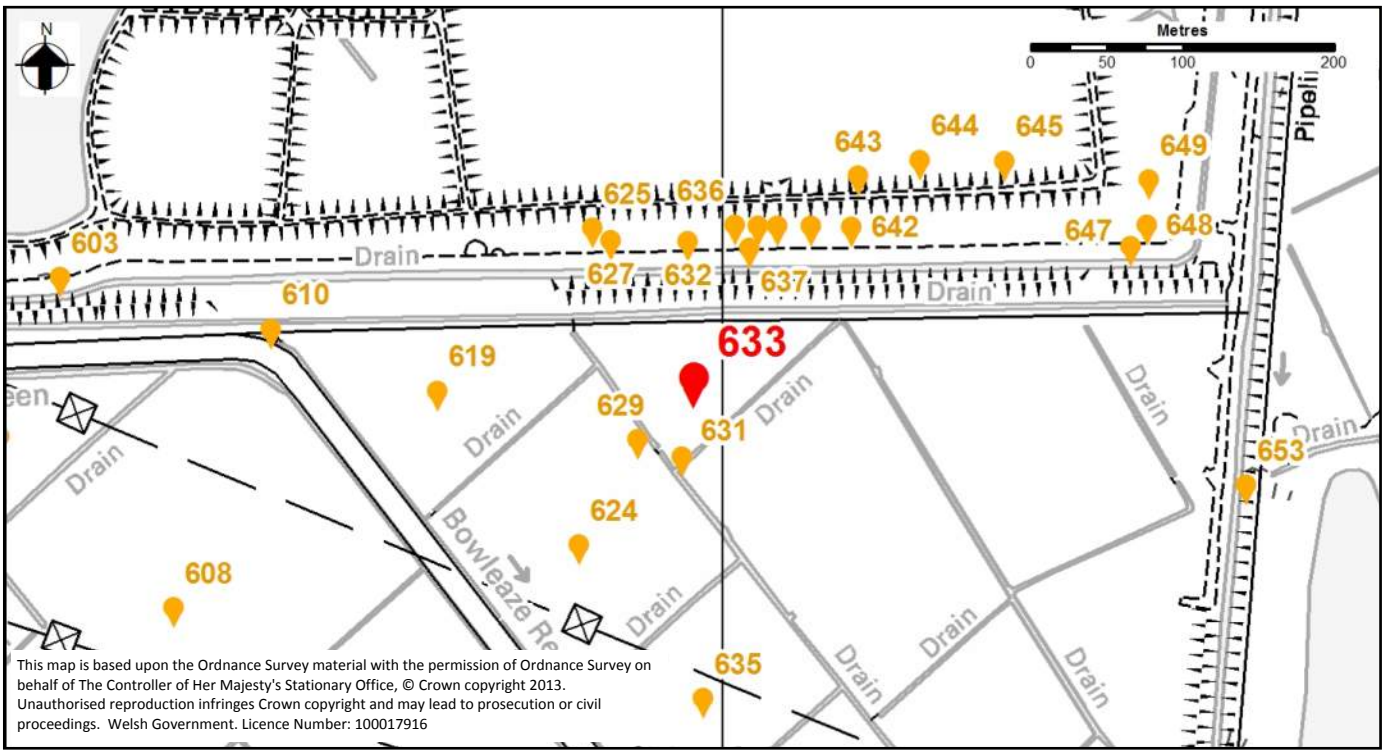

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	634	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, red clover, greater plantain, dandelion sp., dock sp., creeping thistle

Potential for Protected Species:

Target Note Location Map:

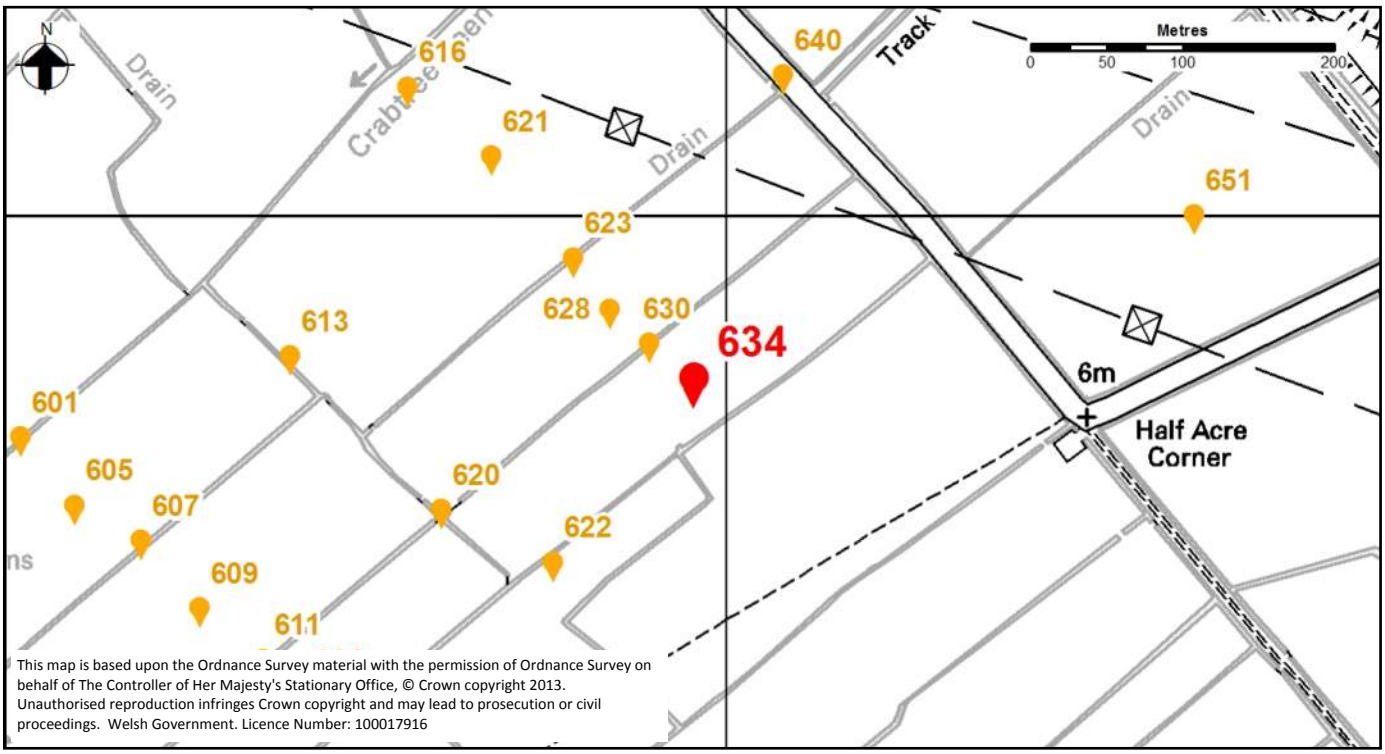

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	635	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

Red clover, white clover, hogweed, perennial ryegrass, pineapple weed, ribwort, meadow foxtail

Potential for Protected Species:

Target Note Location Map:

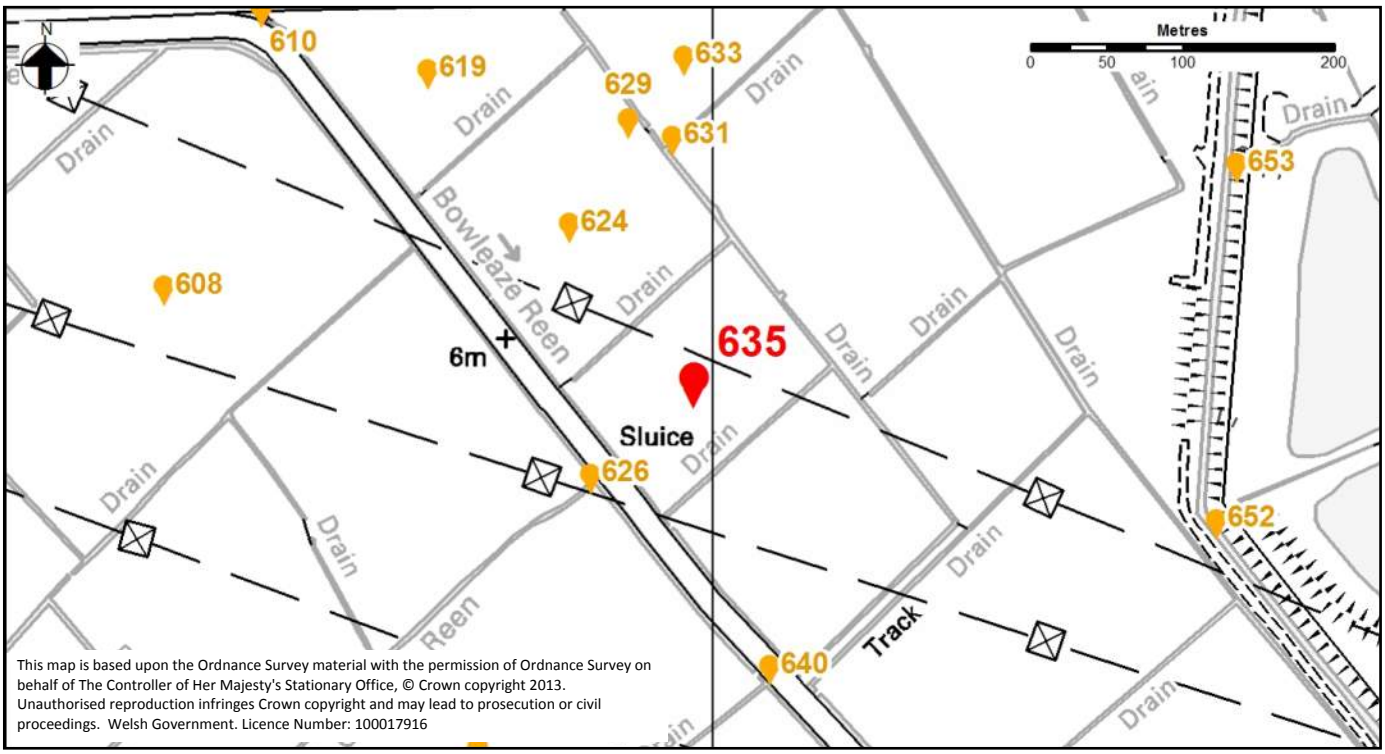

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	636	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Scrub, goat willow, hawthorn

Potential for Protected Species:

Target Note Location Map:

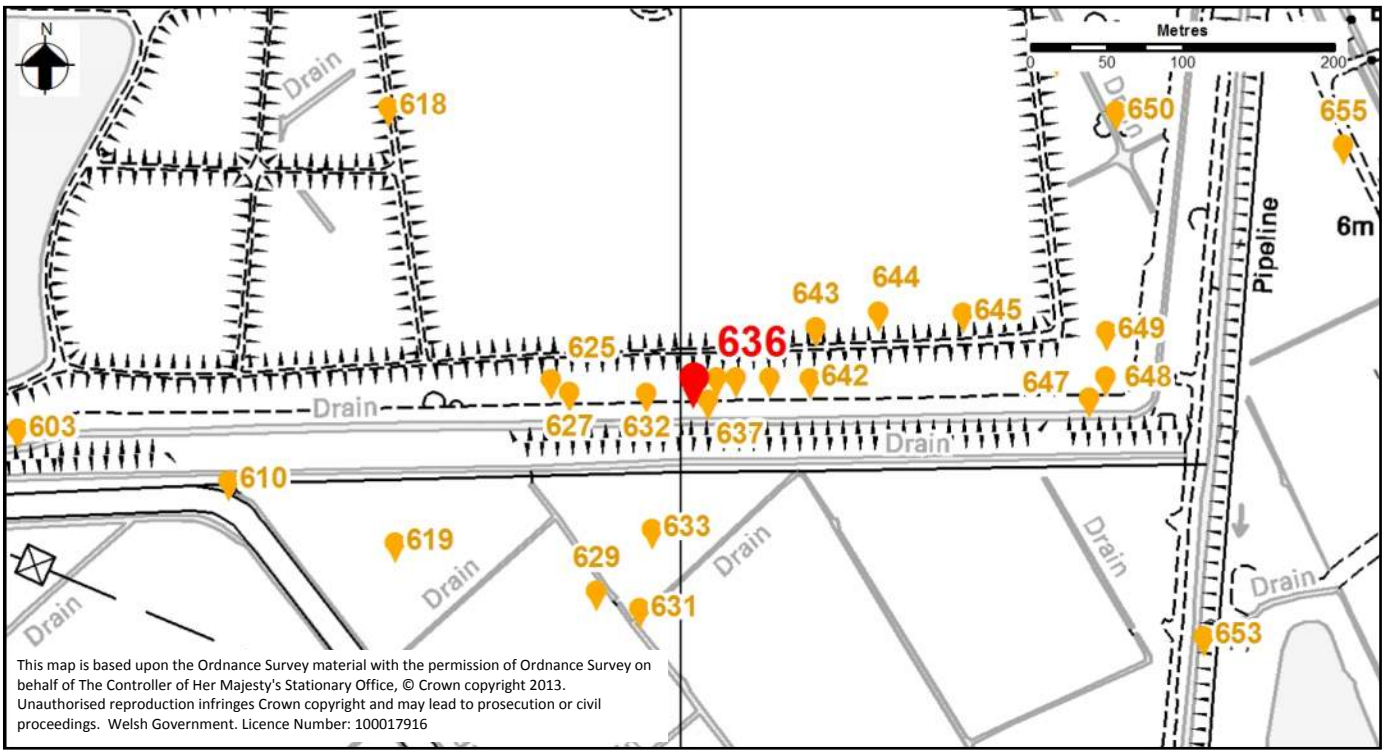

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	637	Date:	03-04-2014 12:32	GPS:	51.57, -2.9

Dominant Habitats:

Reedbeds

Potential for Protected Species:

Badger

Target Note:

Bedding material/path present

Target Note Location Map:

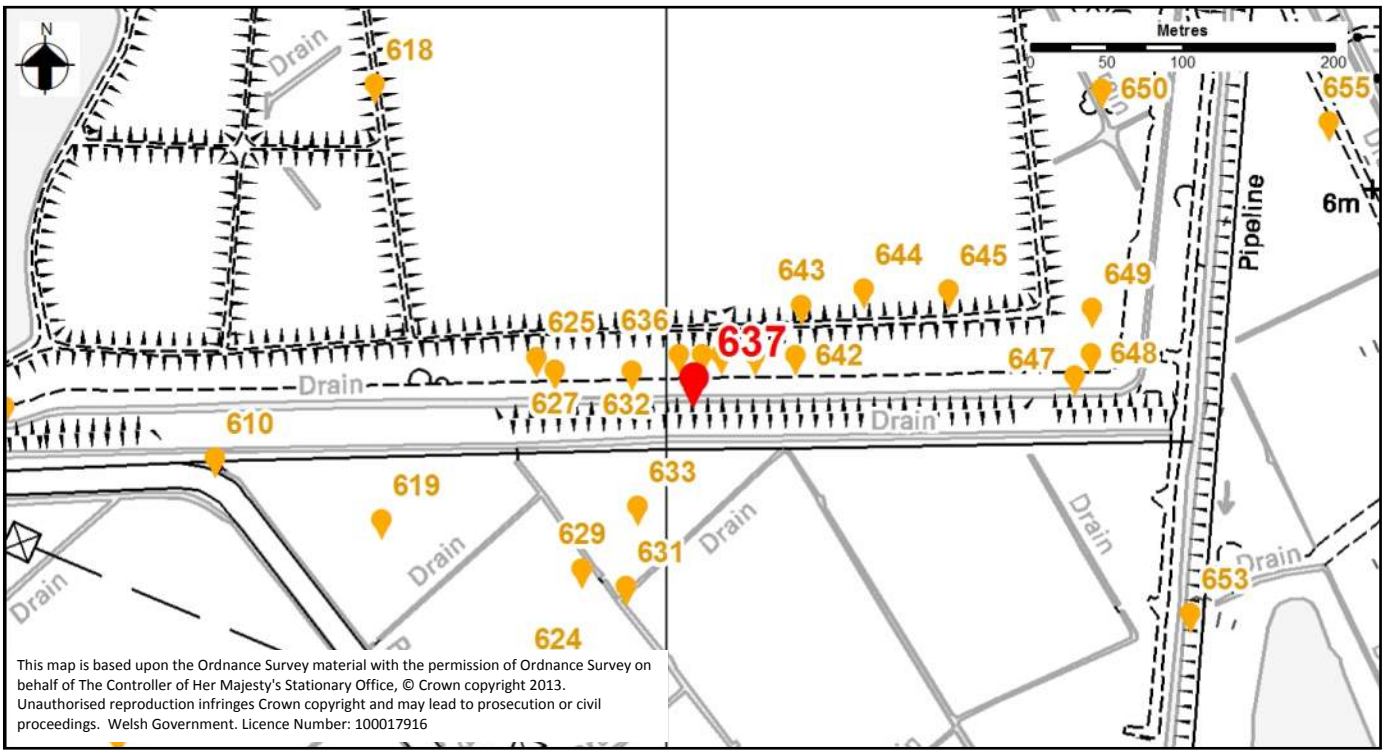

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	638	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Phragmites, willow sp., hawthorn, ivy

Potential for Protected Species:

Target Note Location Map:

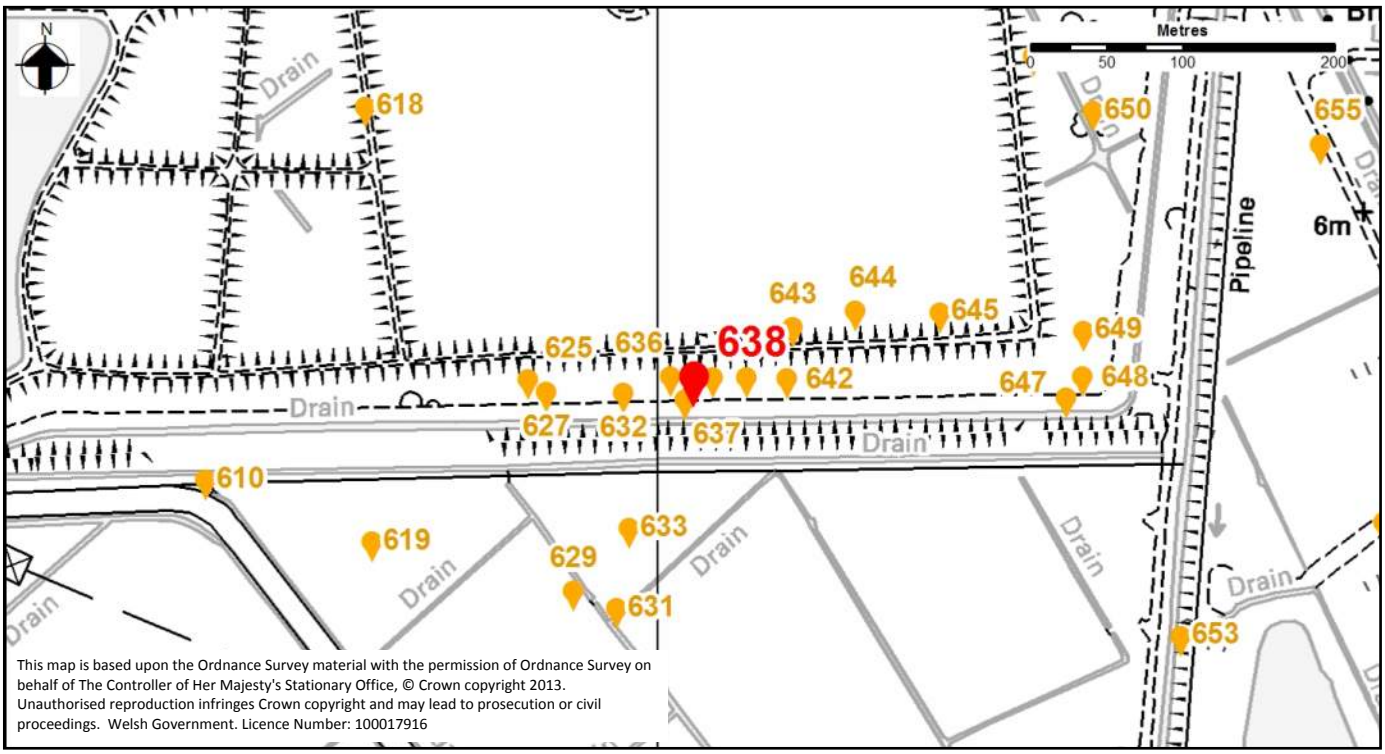

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	639	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Reed bed, contaminated water. Goat willow, buddleia, hawthorn, bramble.

Potential for Protected Species:

Target Note Location Map:

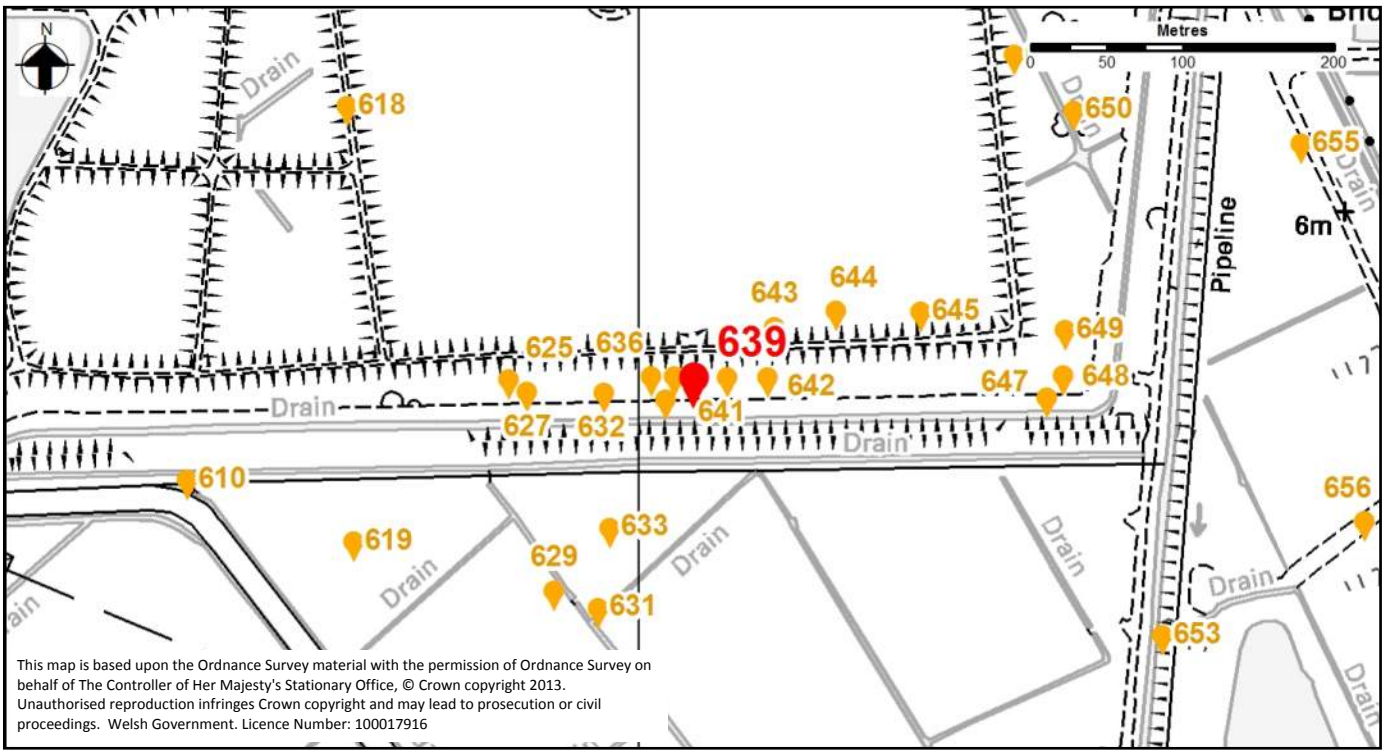

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	640	Date:		GPS:	51.56, -2.9

Dominant Habitats:

Target Note:

St John's wort, purple loosestrife, vetch sp., bramble, yellow flag iris, hogweed, willow sp., nettles, ivy

Potential for Protected Species:

Target Note Location Map:

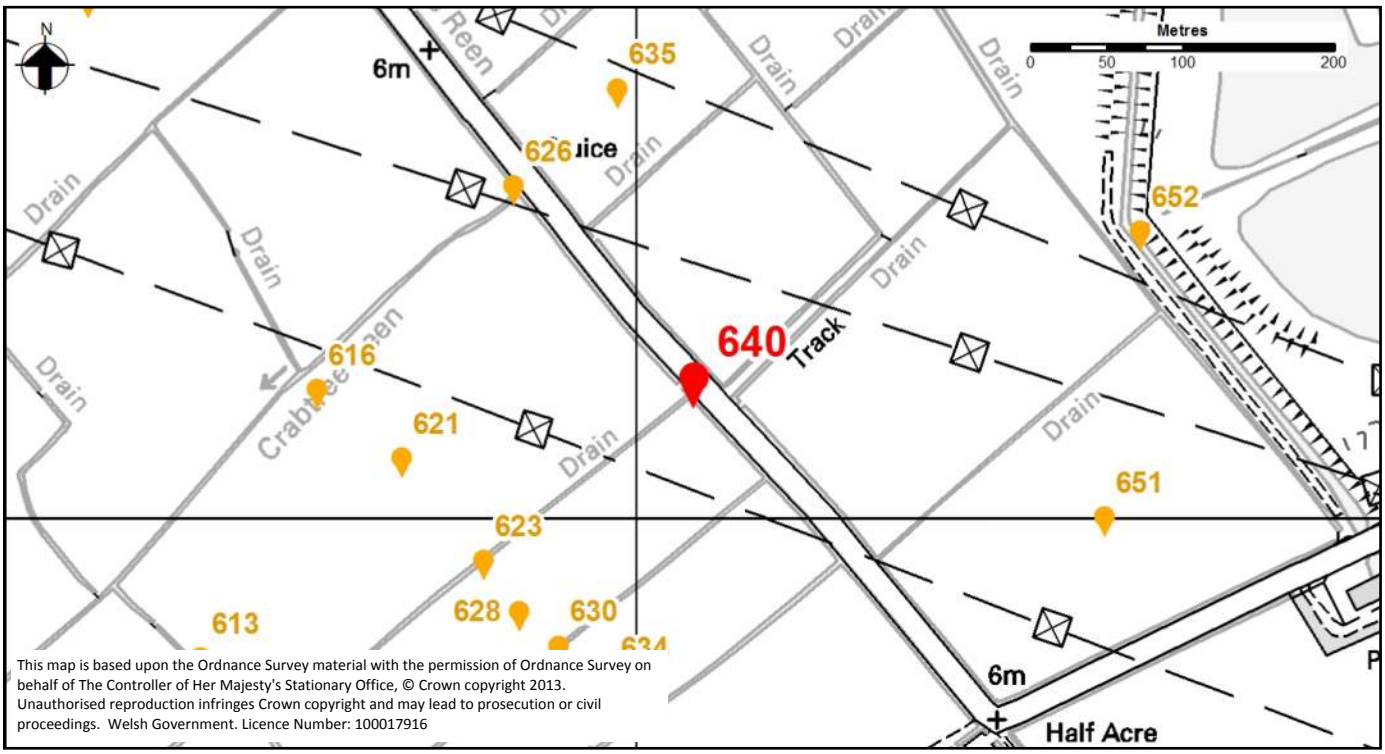

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	641	Date:		GPS:	51.57, -2.9

Dominant Habitats:

Target Note:

Inundated, with sedges, scattered goat willow.

Potential for Protected Species:

Target Note Location Map:

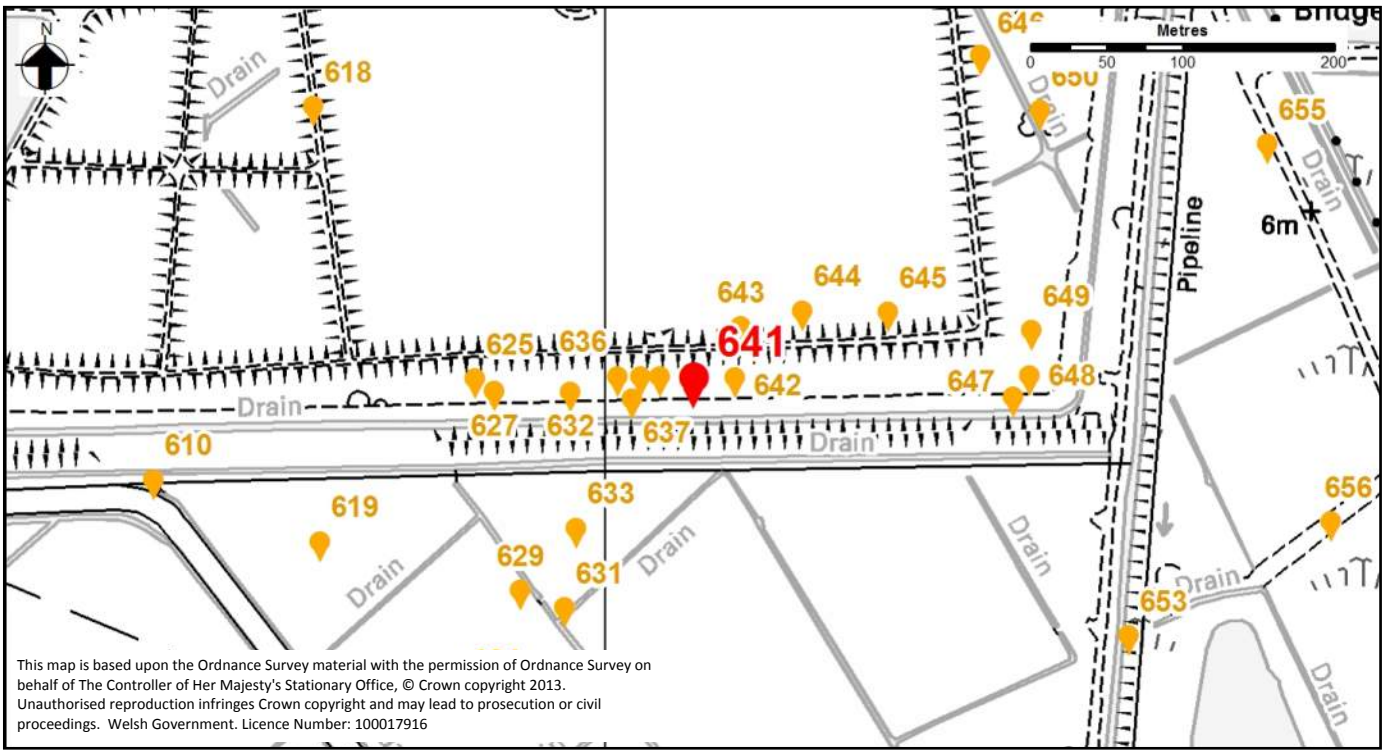

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	642	Date:		GPS:	51.57, -2.89

Dominant Habitats:

Target Note:

Oak, buddleia, goat willow, Phragmites

Potential for Protected Species:

Target Note Location Map:

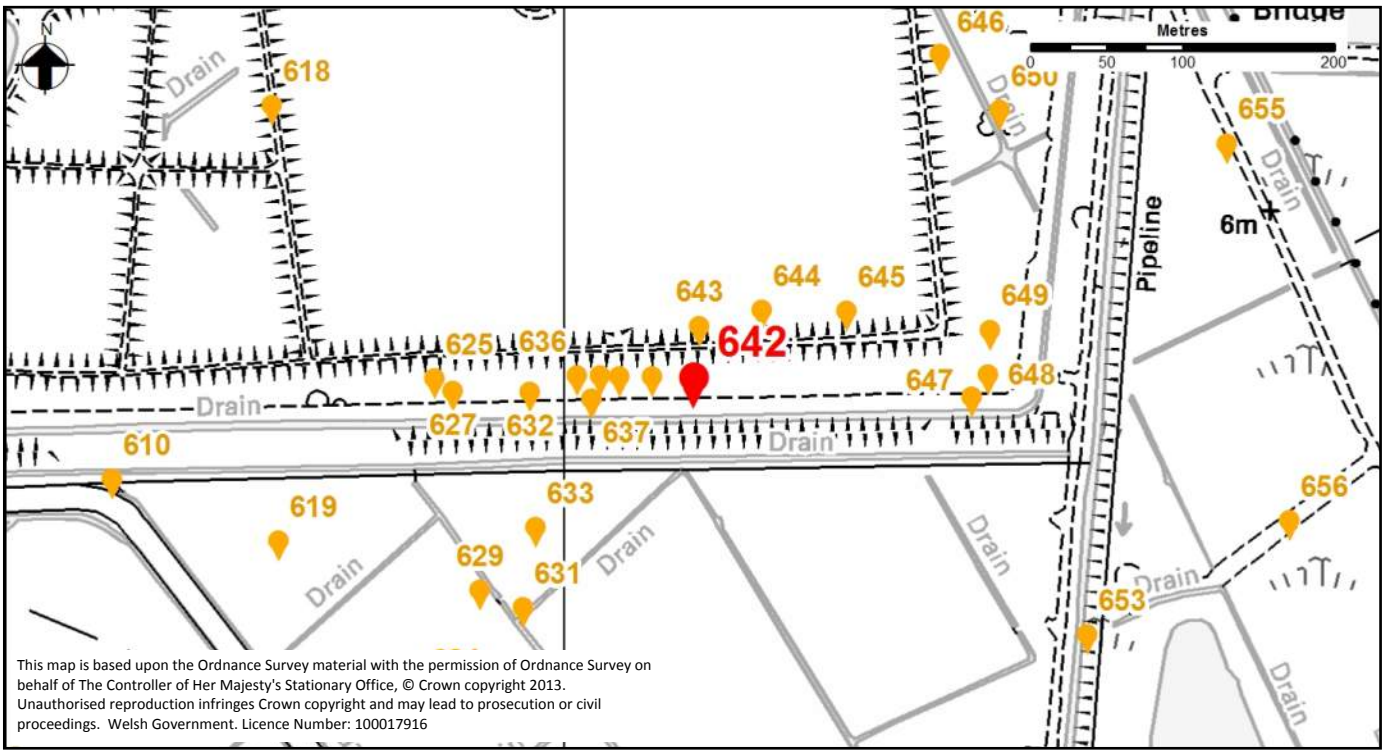

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	643	Date:		GPS:	51.57, -2.89

Dominant Habitats:

Target Note:

Scattered scrub on spoil. Buddleia and tall ruderals.

Potential for Protected Species:

Target Note Location Map:

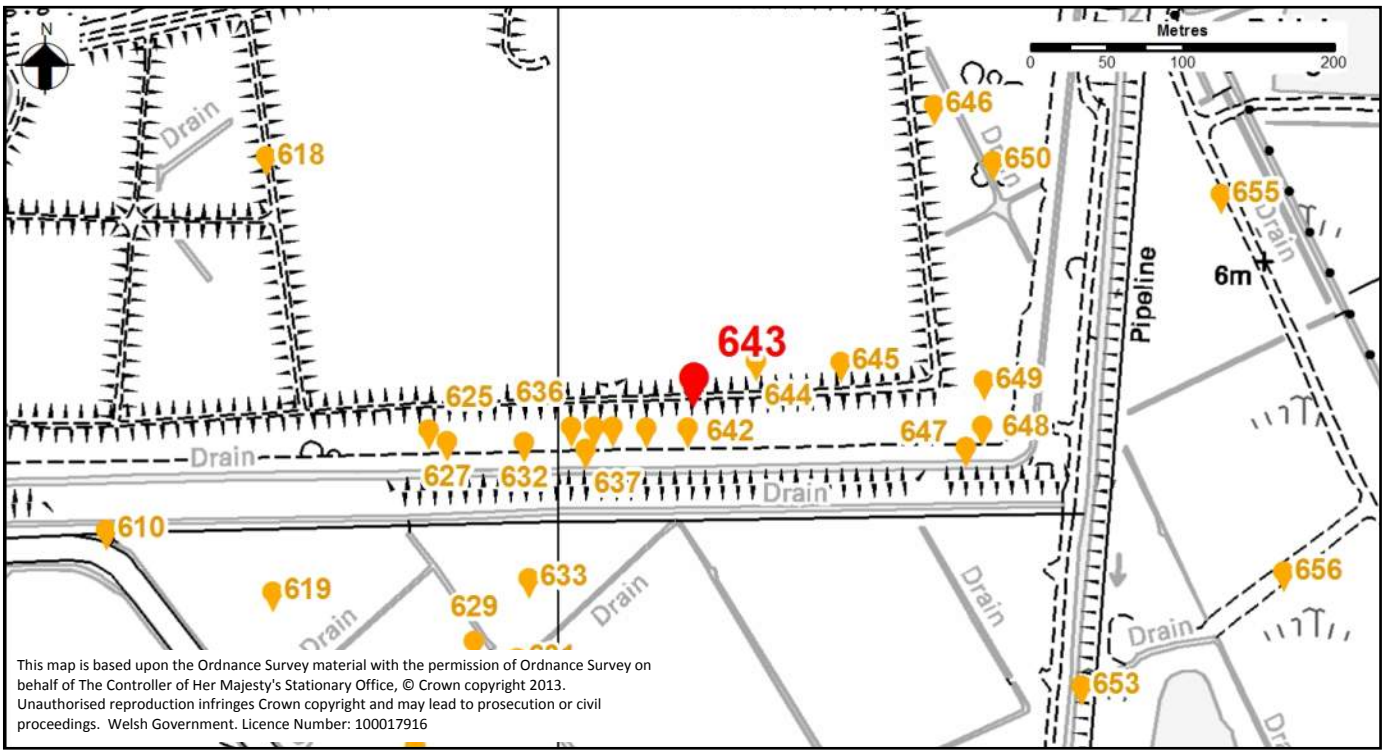

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	644	Date:		GPS:	51.57, -2.89

Dominant Habitats:

Target Note:

Scattered scrub on spoil. Buddleia and ruderals.

Potential for Protected Species:

Target Note Location Map:

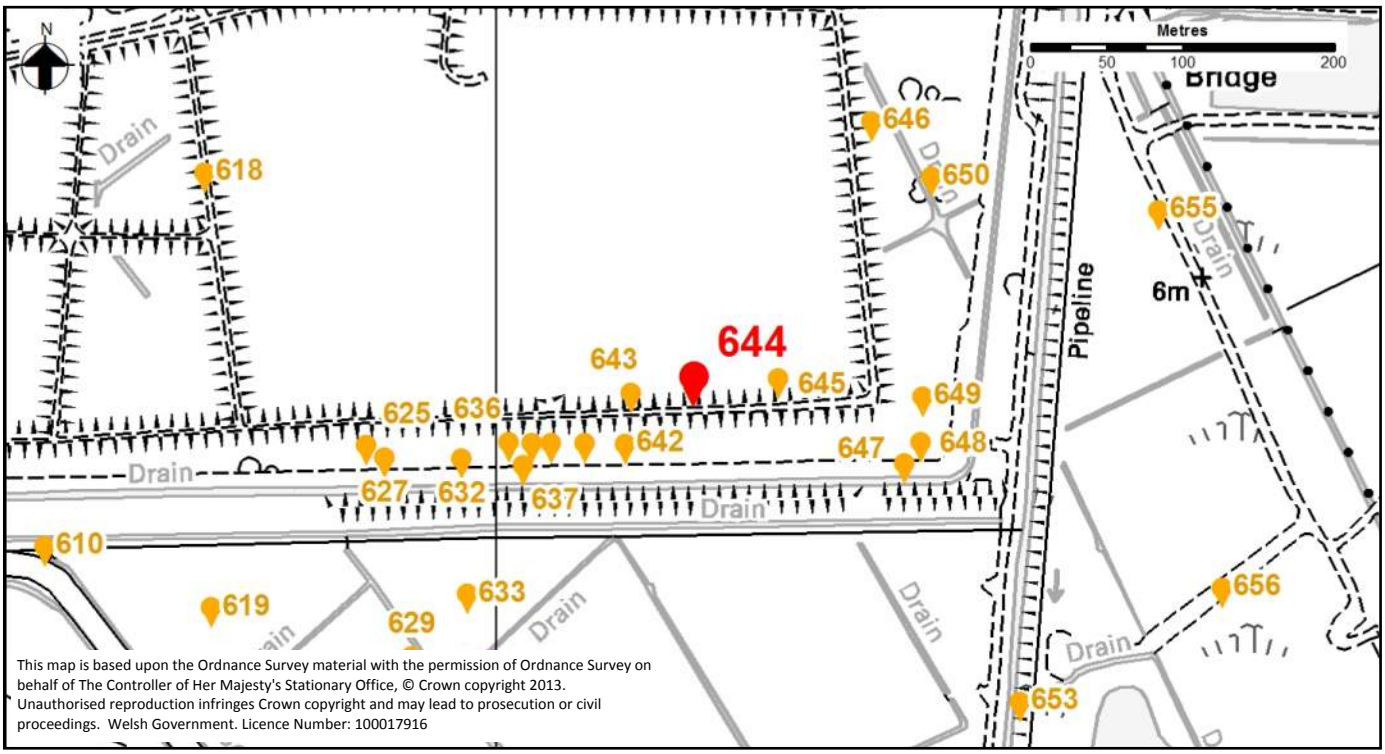

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	645	Date:		GPS:	51.57, -2.89

Dominant Habitats:

Target Note:

Tall ruderal & buddleia

Potential for Protected Species:

Target Note Location Map:

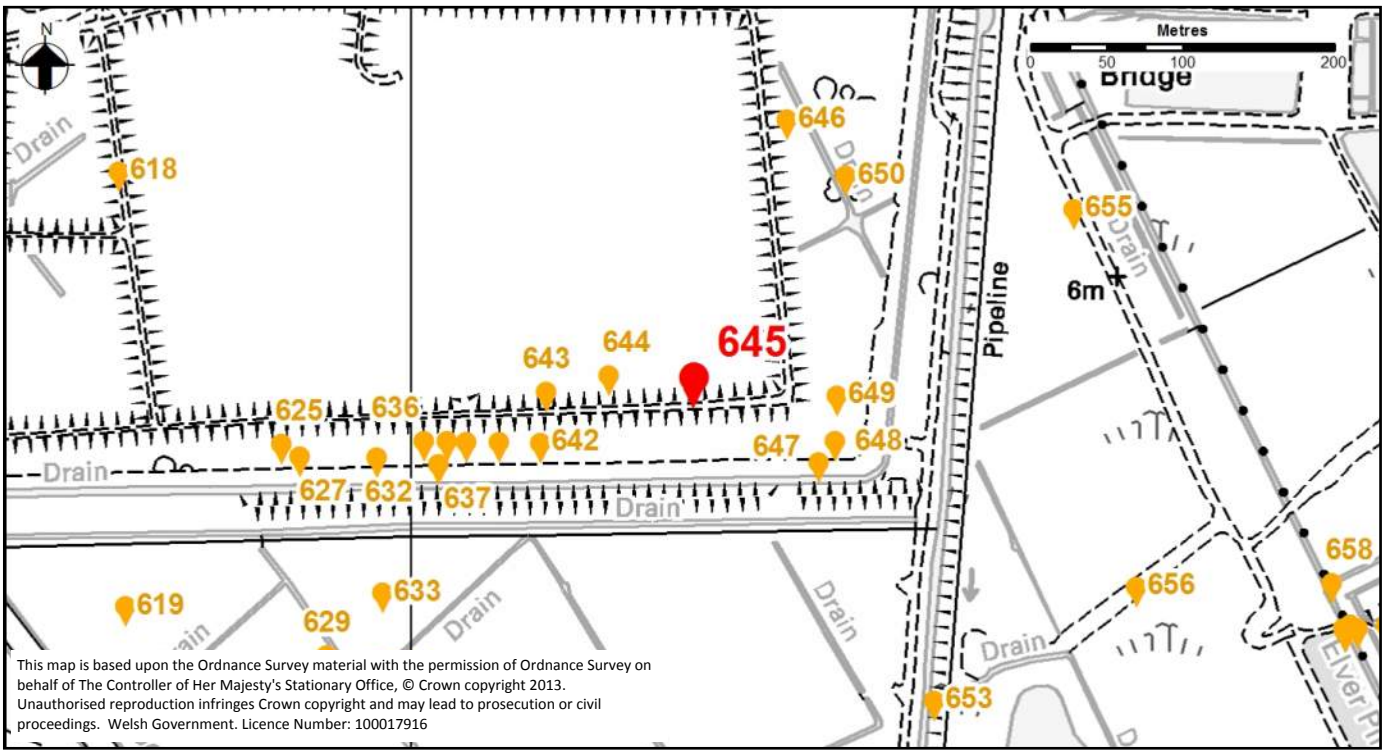

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	646	Date:	31-10-2014	GPS:	51.57, -2.89

Dominant Habitats:

Woodland / reedbed

Potential for Protected Species:

Otters / badgers / bats

Target Note:

Hawthorn, crack willow, goat willow, white willow, common reed, bramble.

Target Note Location Map:

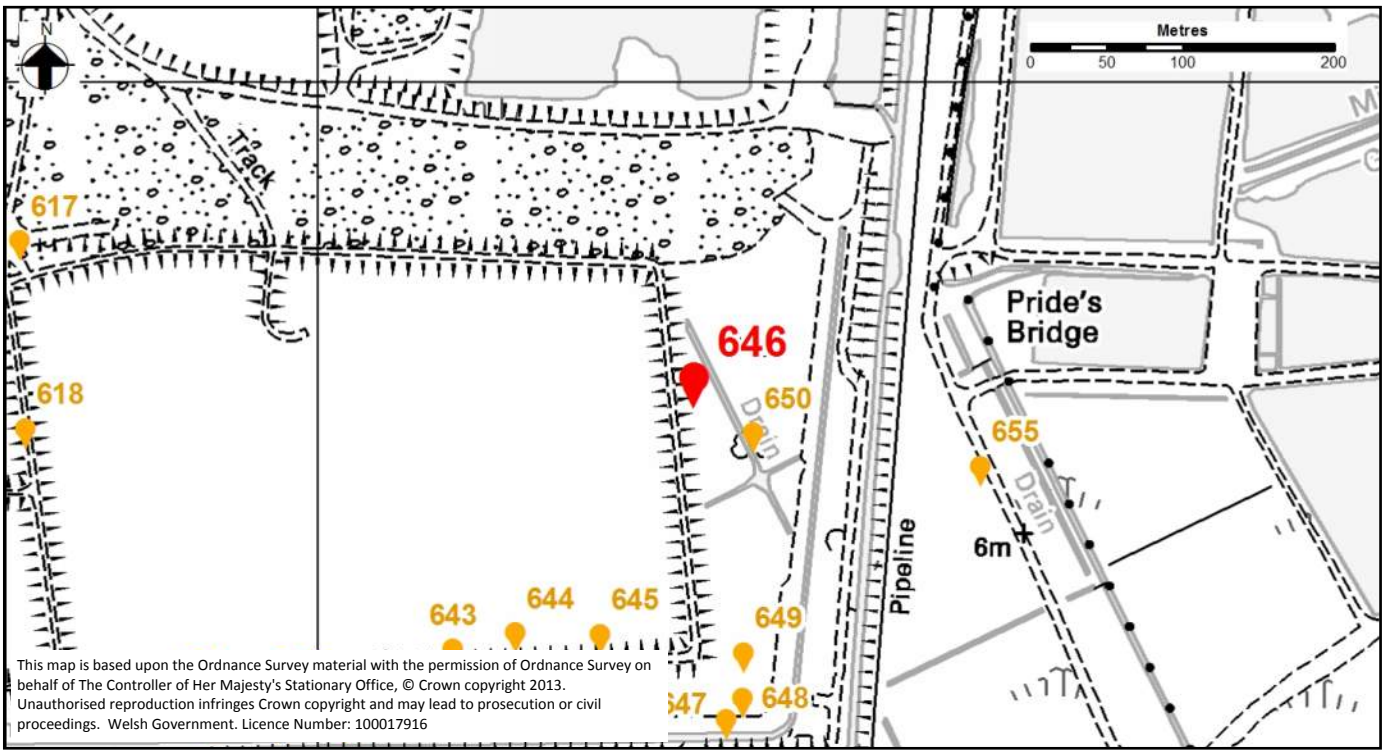

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	647	Date:	03-04-2014 12:22	GPS:	51.57, -2.89

Dominant Habitats:

Scrub

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

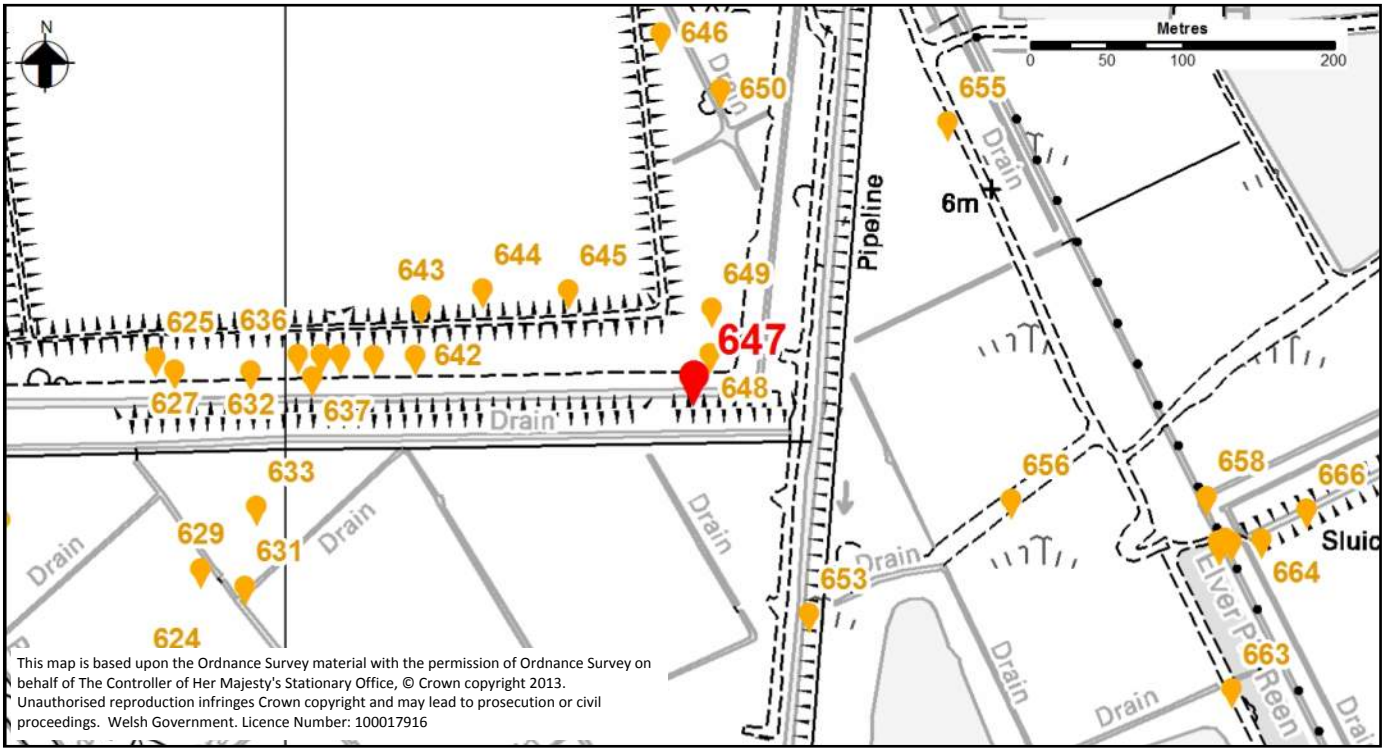

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	648	Date:	03-04-2014	GPS:	51.57, -2.89

Dominant Habitats:

Dense continuous scrub and swamp

Target Note:

Area of wet grass or swamp largely dried out and colonised by scrub. Mammal pathway leading out of the area.
This is a SINC.

Potential for Protected Species:

Target Note Location Map:

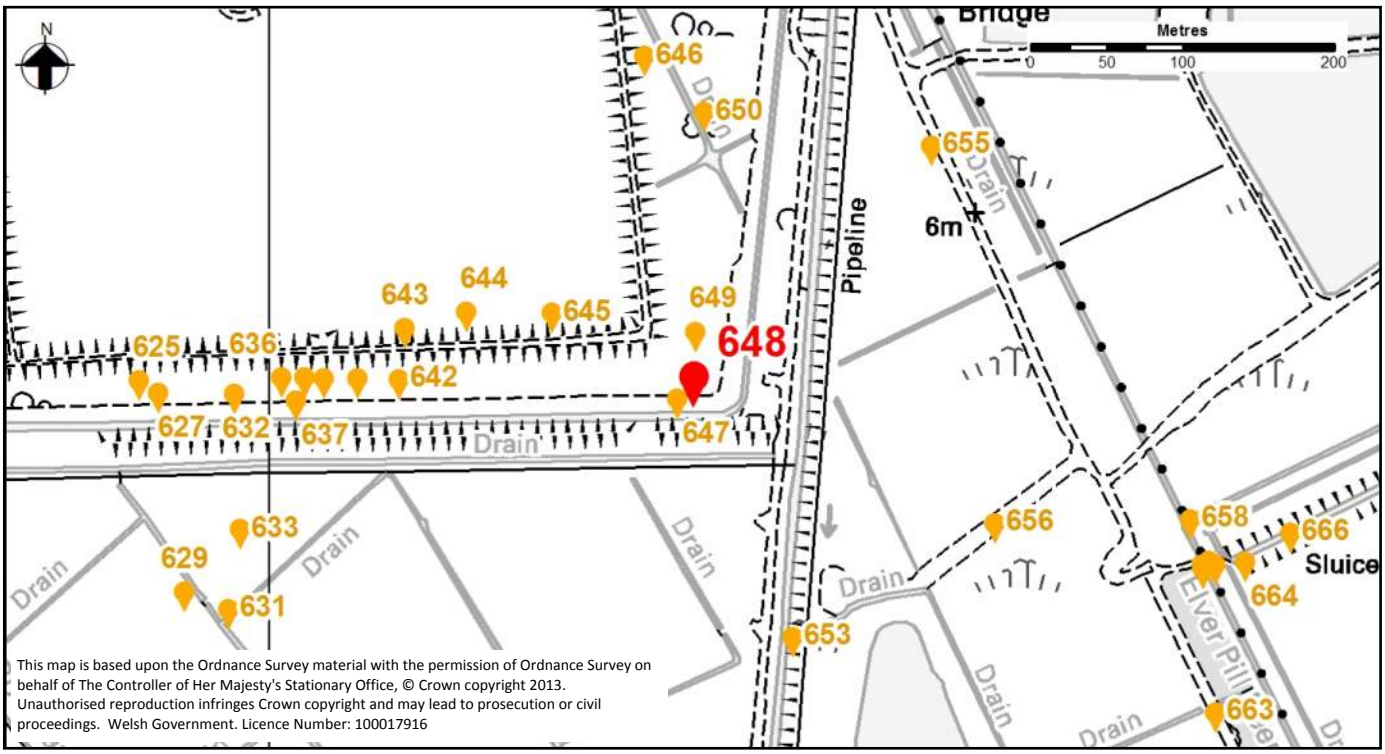

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	649	Date:		GPS:	51.57, -2.89

Dominant Habitats:

Target Note:

A mosaic of goat willow, white willow, crack willow, bramble and Phragmites.

Potential for Protected Species:

Target Note Location Map:

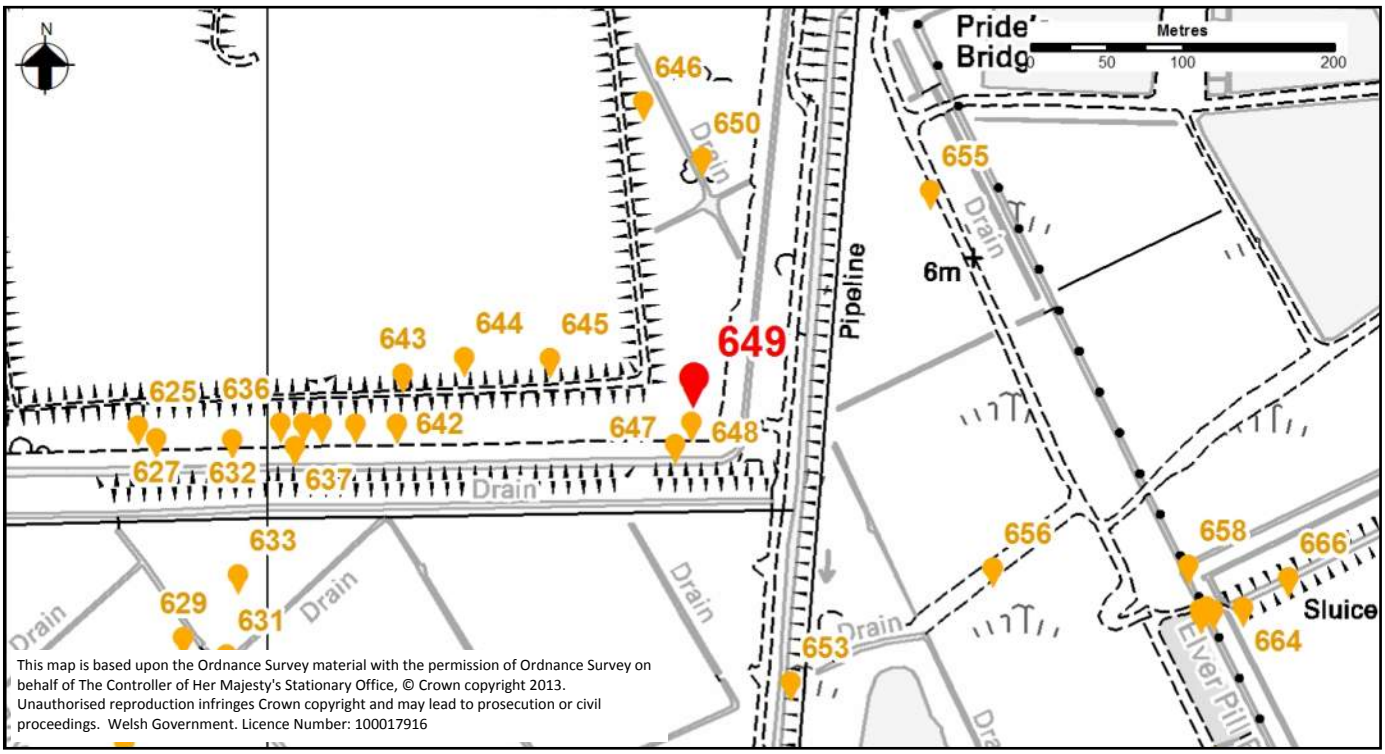

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	650	Date:		GPS:	51.57, -2.89

Dominant Habitats:

Target Note:

A mosaic of Goat willow, white willow, crack willow, brambles and Phragmites

Potential for Protected Species:

Target Note Location Map:

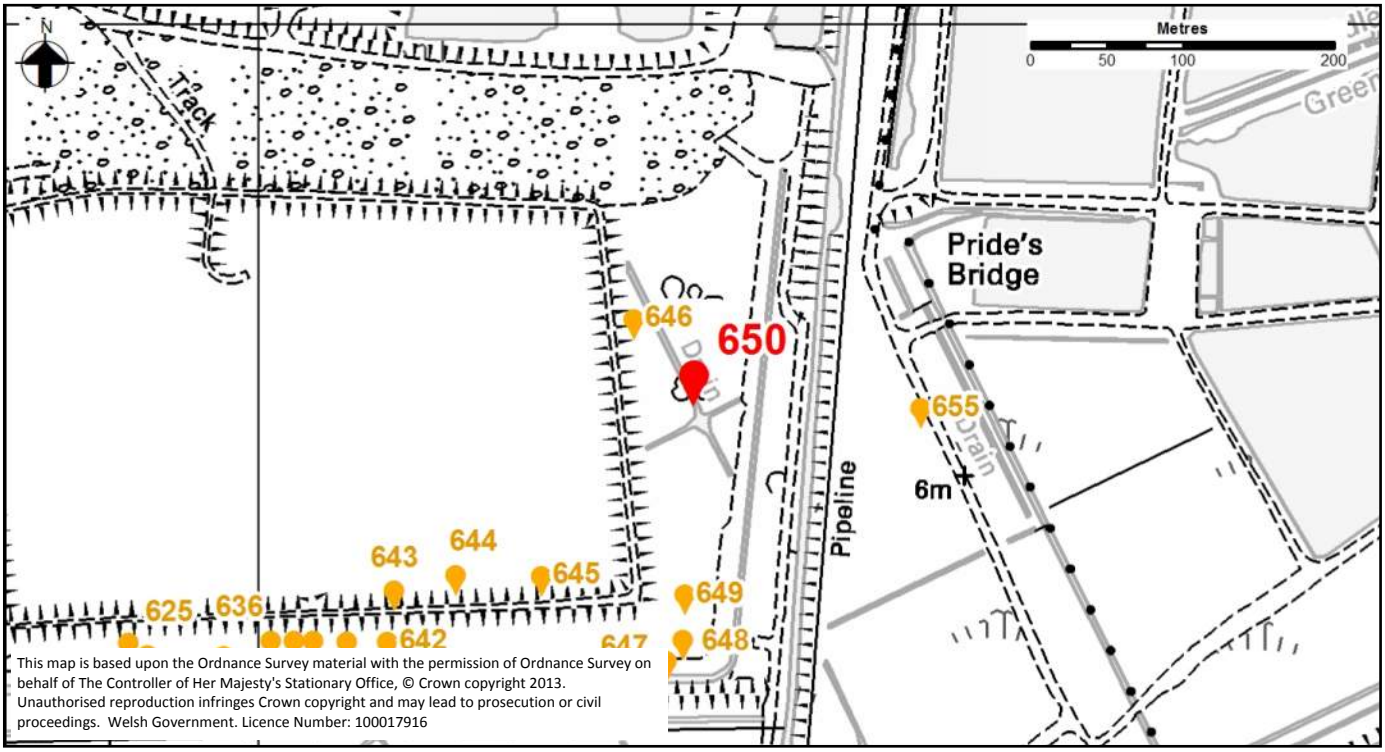

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	651	Date:		GPS:	51.56, -2.89

Dominant Habitats:

Target Note:

White clover, meadow buttercup, red clover, perennial rye grass. Viewed from boundary.

Potential for Protected Species:

Target Note Location Map:

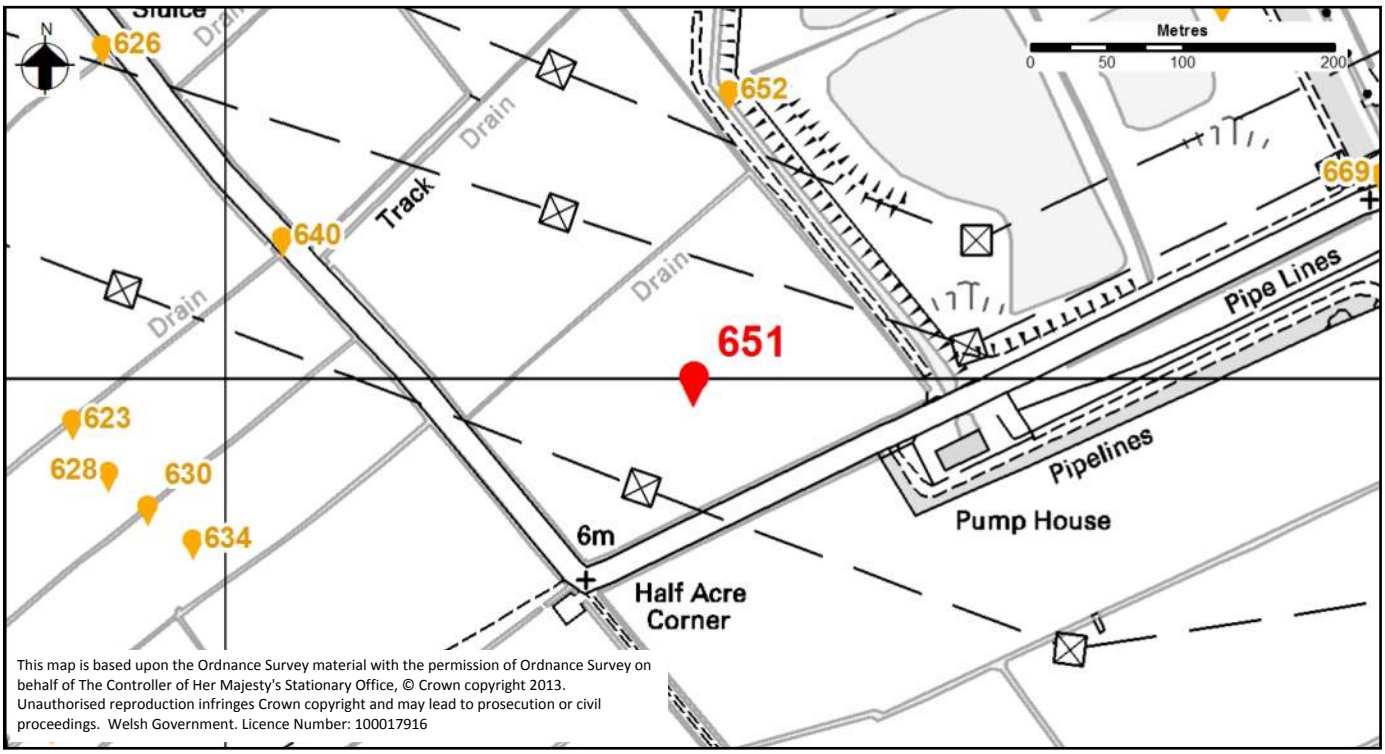

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	652	Date:	31-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

Swamp/Running Water

Target Note:

Areas of open water and swamp which cannot be accessed due to the surrounding swamp

Potential for Protected Species:

Target Note Location Map:

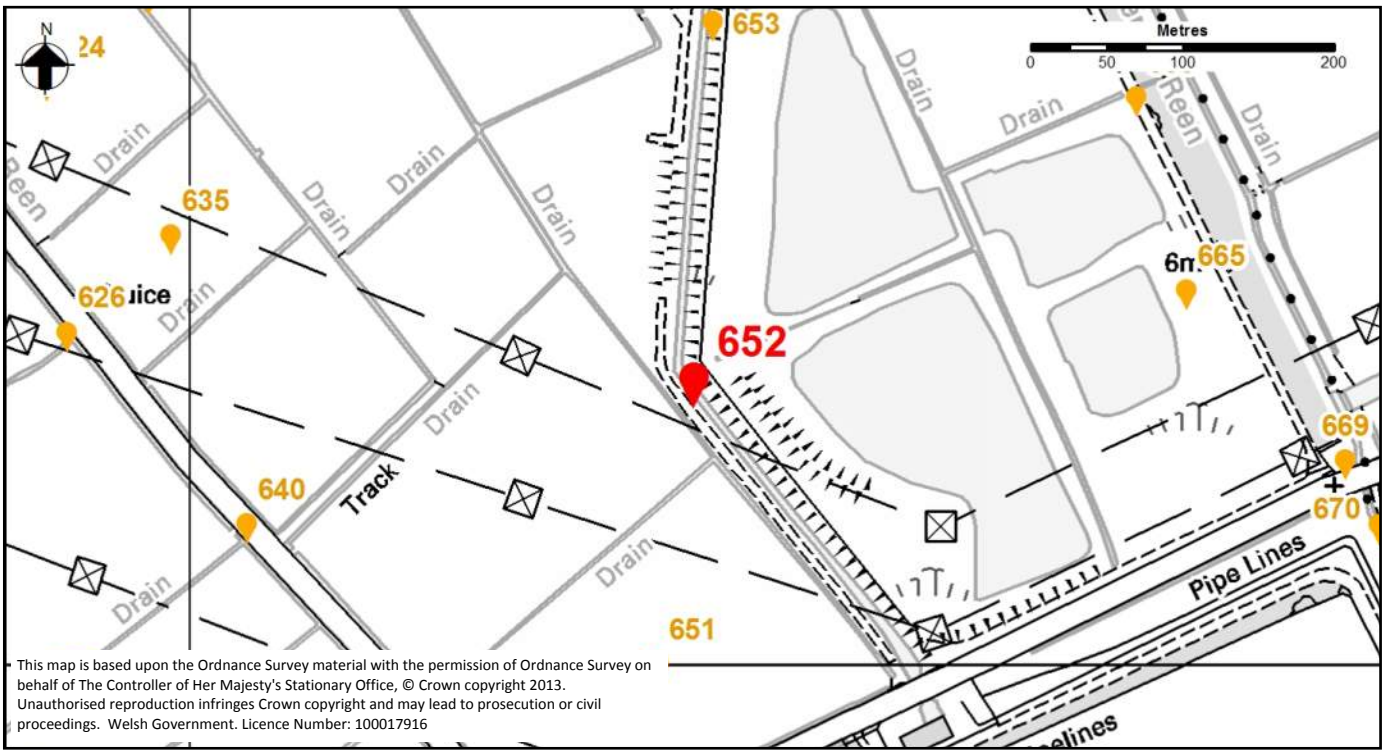

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	653	Date:	31-10-2014 11:15	GPS:	51.56, -2.89

Dominant Habitats:

Running water/marginal vegetation

Potential for Protected Species:

Otter

Target Note:

Possible otter pathway

Target Note Location Map:

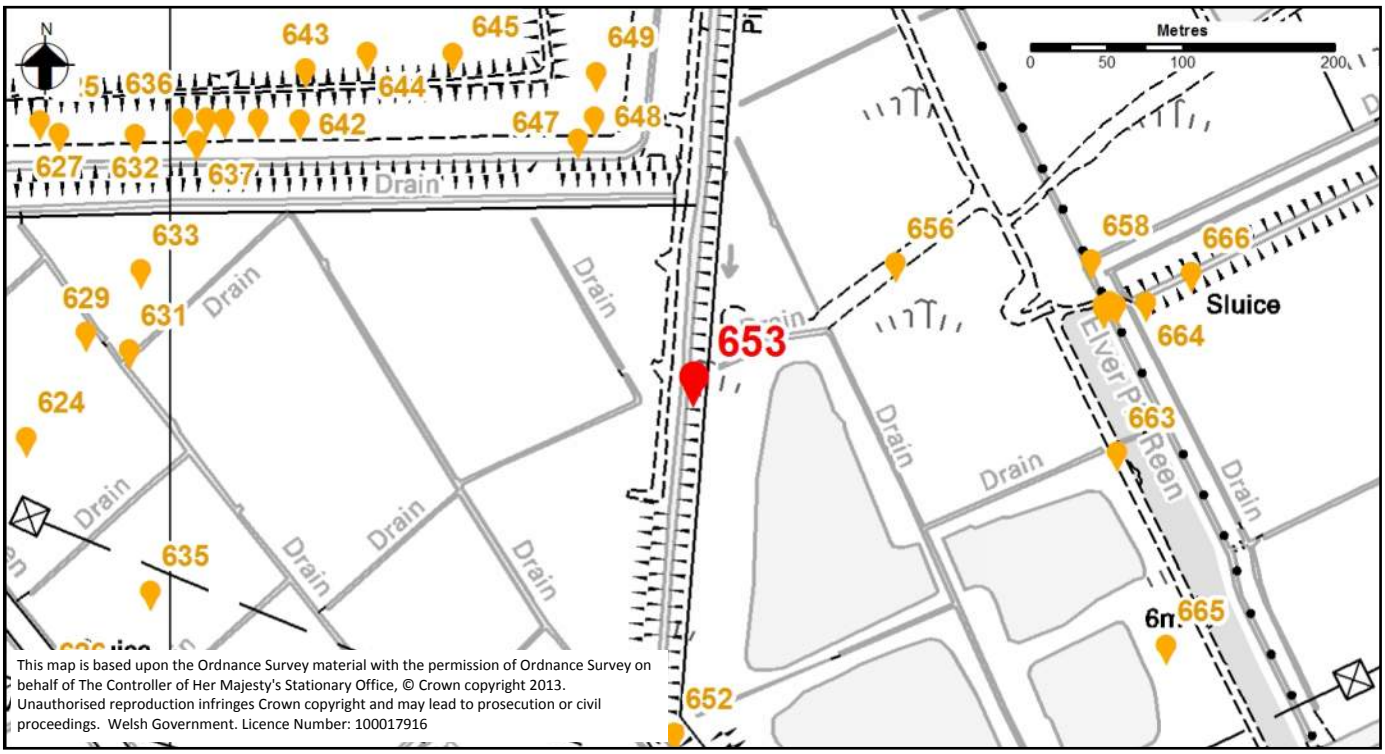

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	655	Date:	03-04-2014	GPS:	51.57, -2.89

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Diverse mossy grassland colonising rubble. Teasels evident.

Potential for Protected Species:

Target Note Location Map:

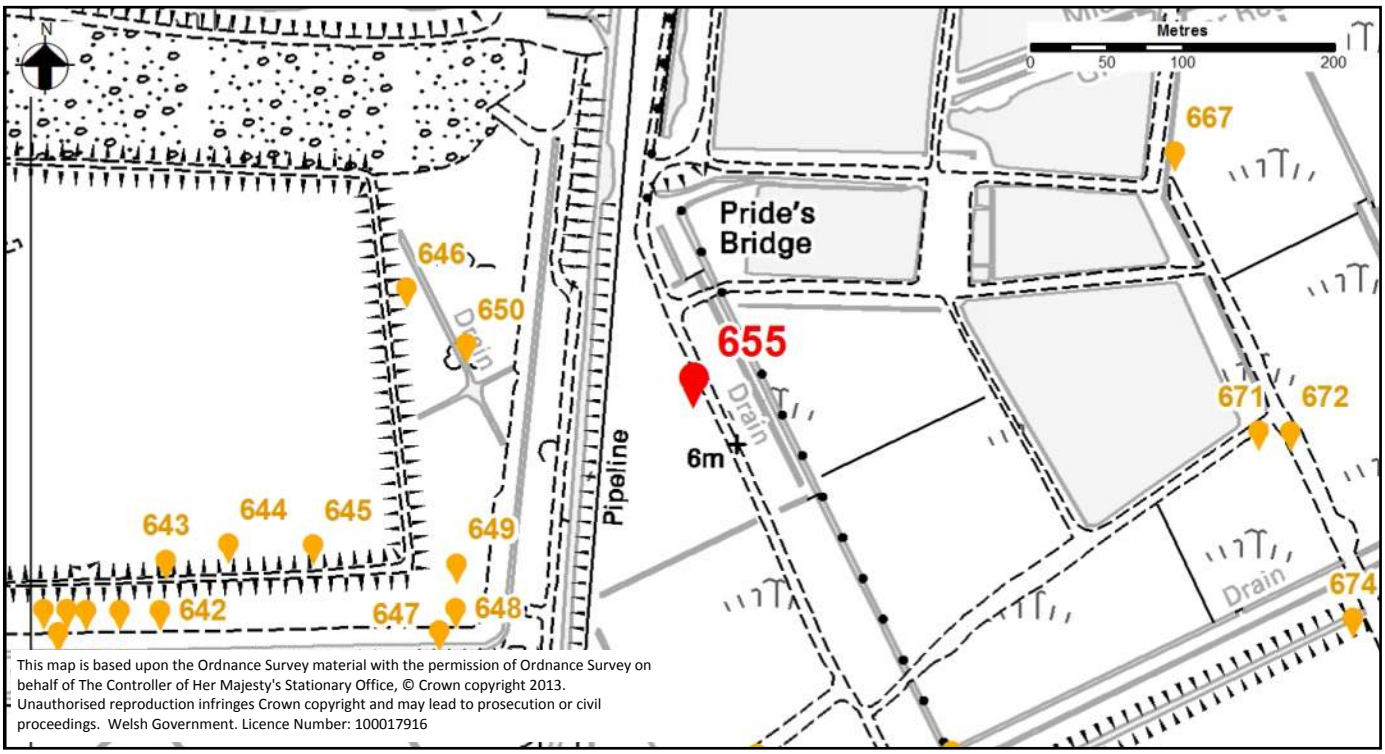

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	656	Date:	31-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

Swamp

Target Note:

Area of swamp in old lagoon. Species include soft rush, pendulous sedge, Yorkshire fog at margins, common reed

Potential for Protected Species:

Target Note Location Map:

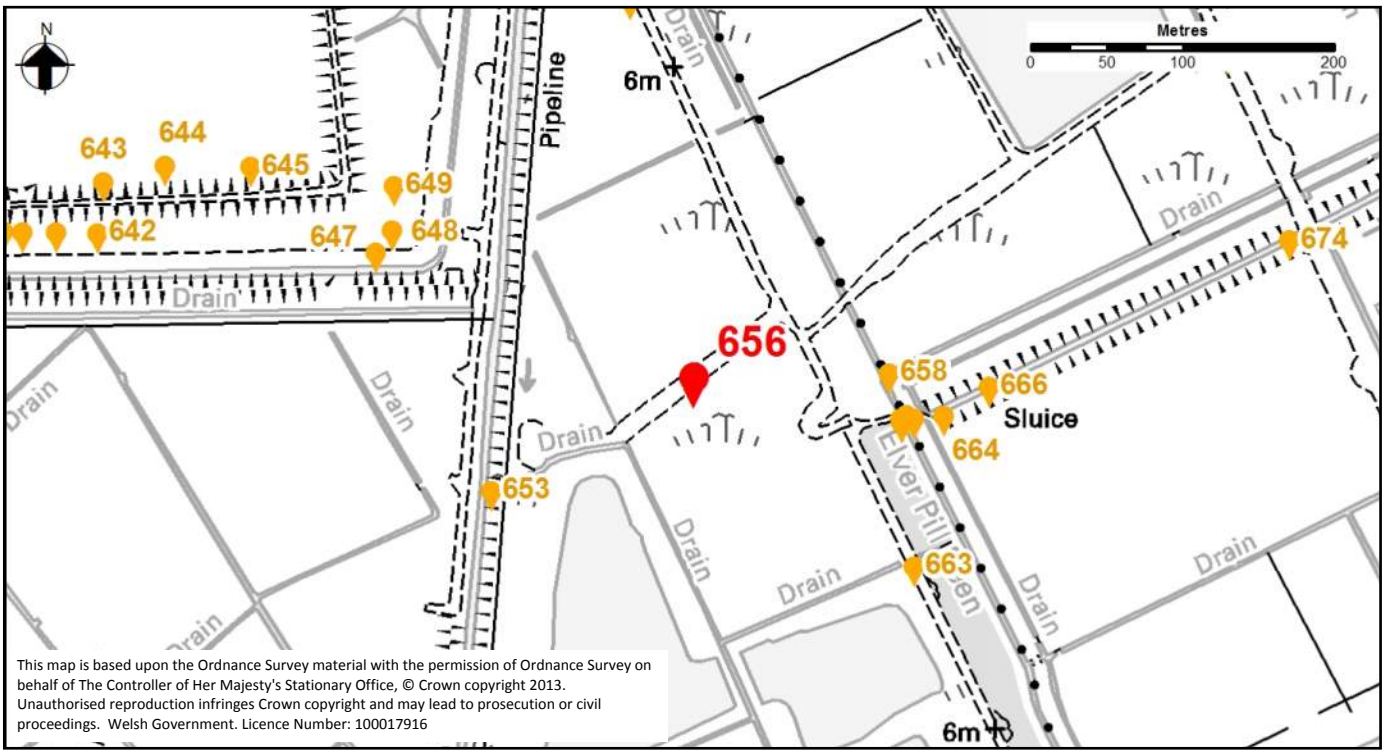

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	658	Date:	01-05-2014 12:48	GPS:	51.57, -2.89

Dominant Habitats:

Improved grassland/reen

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

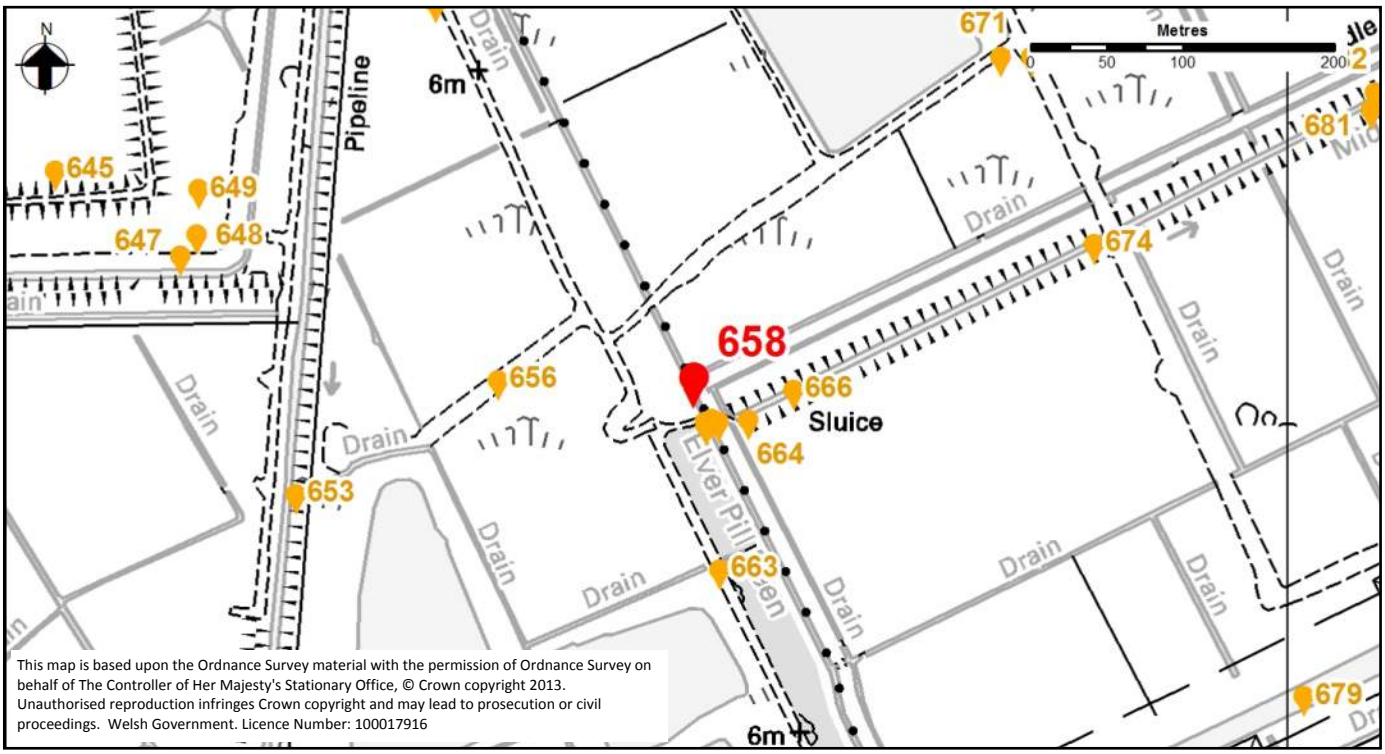

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	659	Date:	08-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

On bridge across reen

Target Note:

Faeces.

Potential for Protected Species:

Hedgehog

Target Note Location Map:

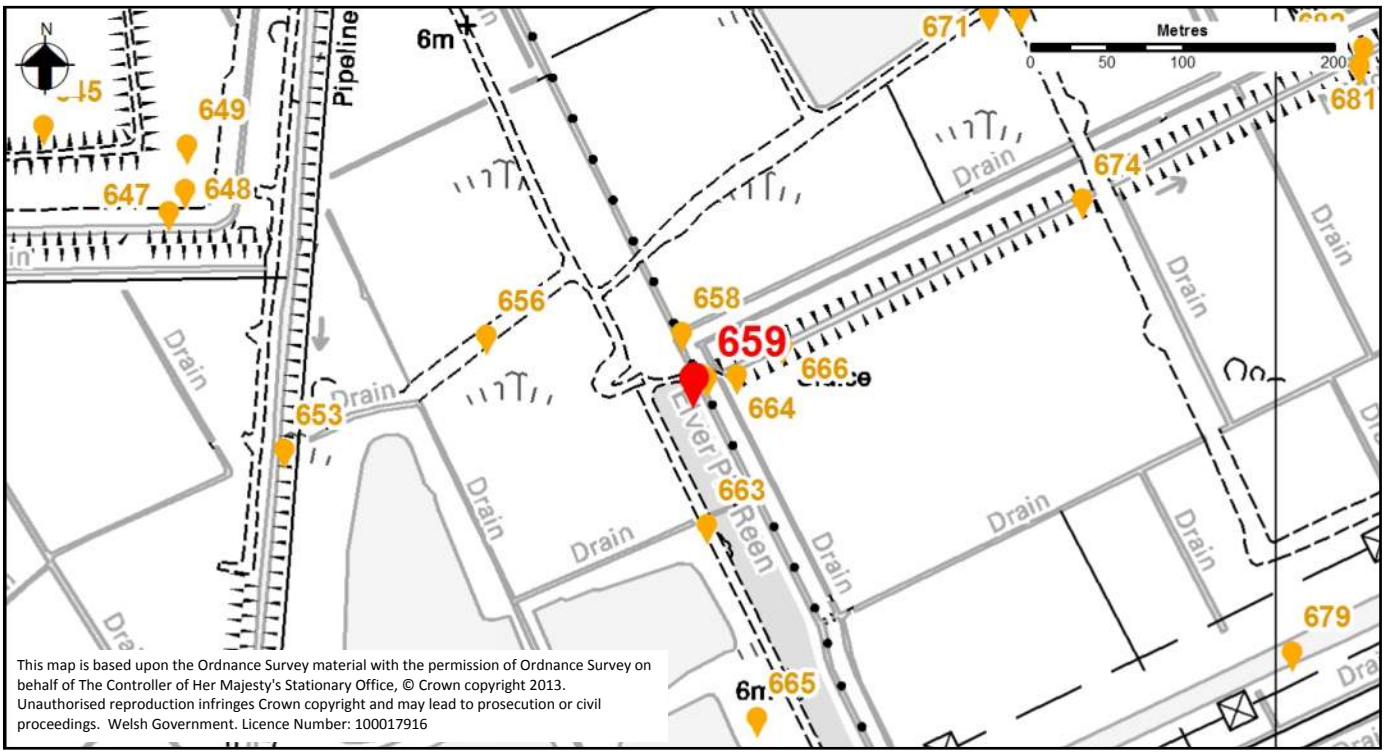

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	660	Date:	16-09-2014	GPS:	51.56, -2.89

Dominant Habitats:

Target Note:

Otter spraint - feathers. Camera set up.

Potential for Protected Species:

Otter

Target Note Location Map:

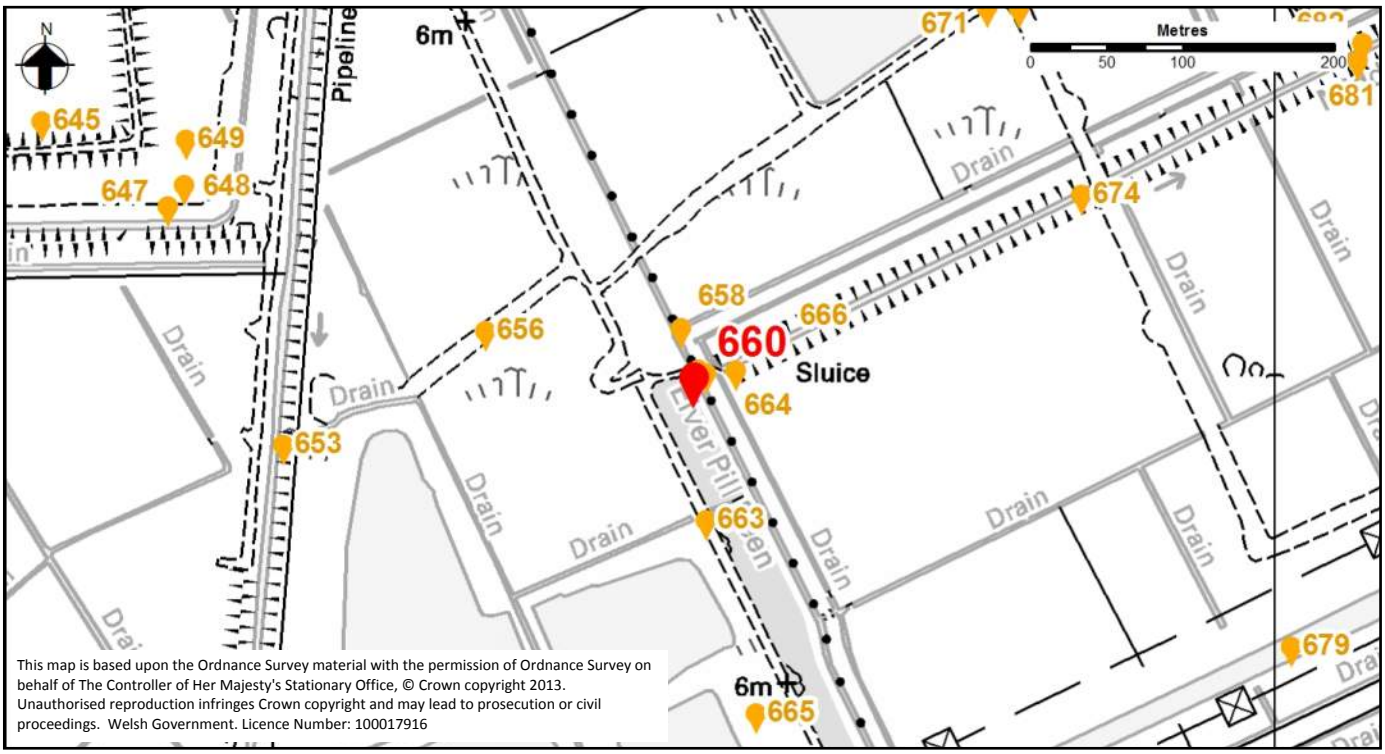

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	661	Date:	08-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

Bridge across reen

Potential for Protected Species:

Otter

Target Note:

Fresh otter spraint in camera view. Fish scales and feathers in spraint.

Target Note Location Map:

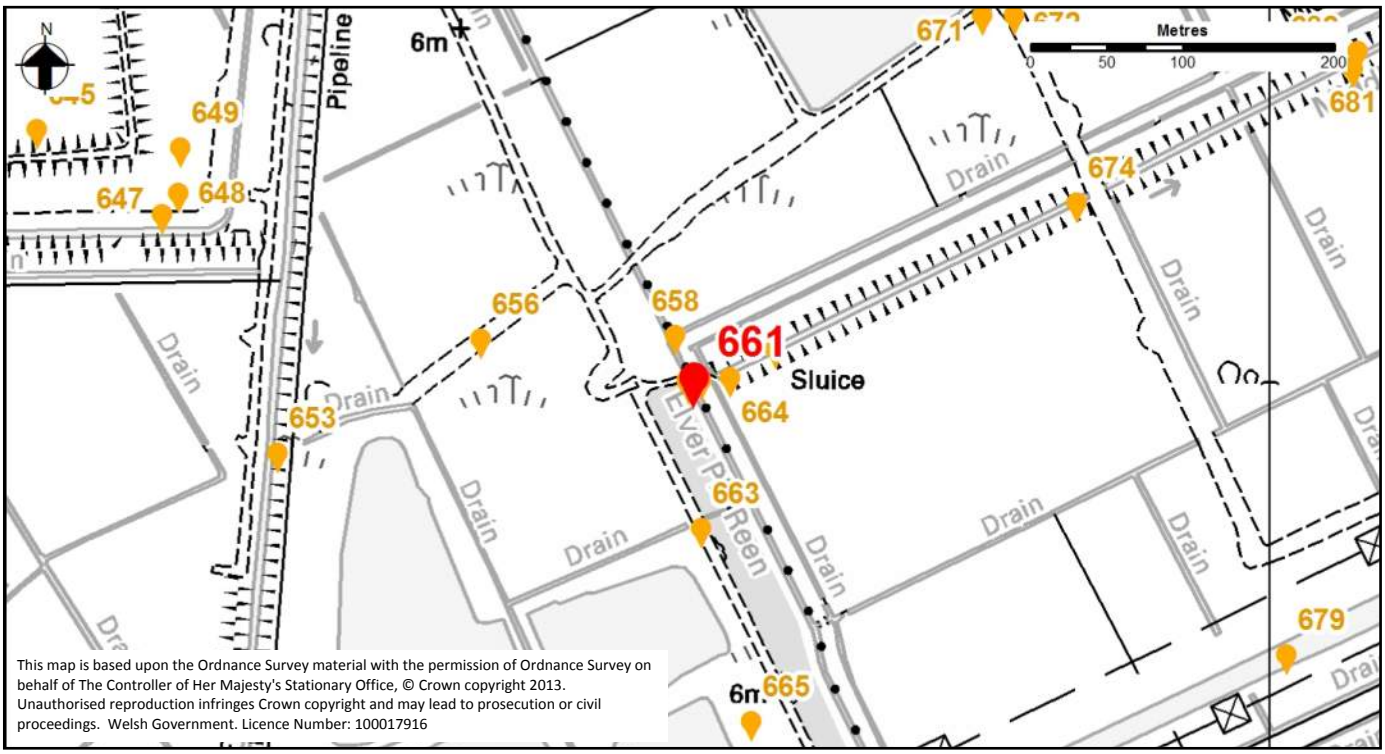

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	662	Date:	08-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

Grassland adjacent to reen

Target Note:

Hedgehog droppings.

Potential for Protected Species:

Hedgehog

Target Note Location Map:

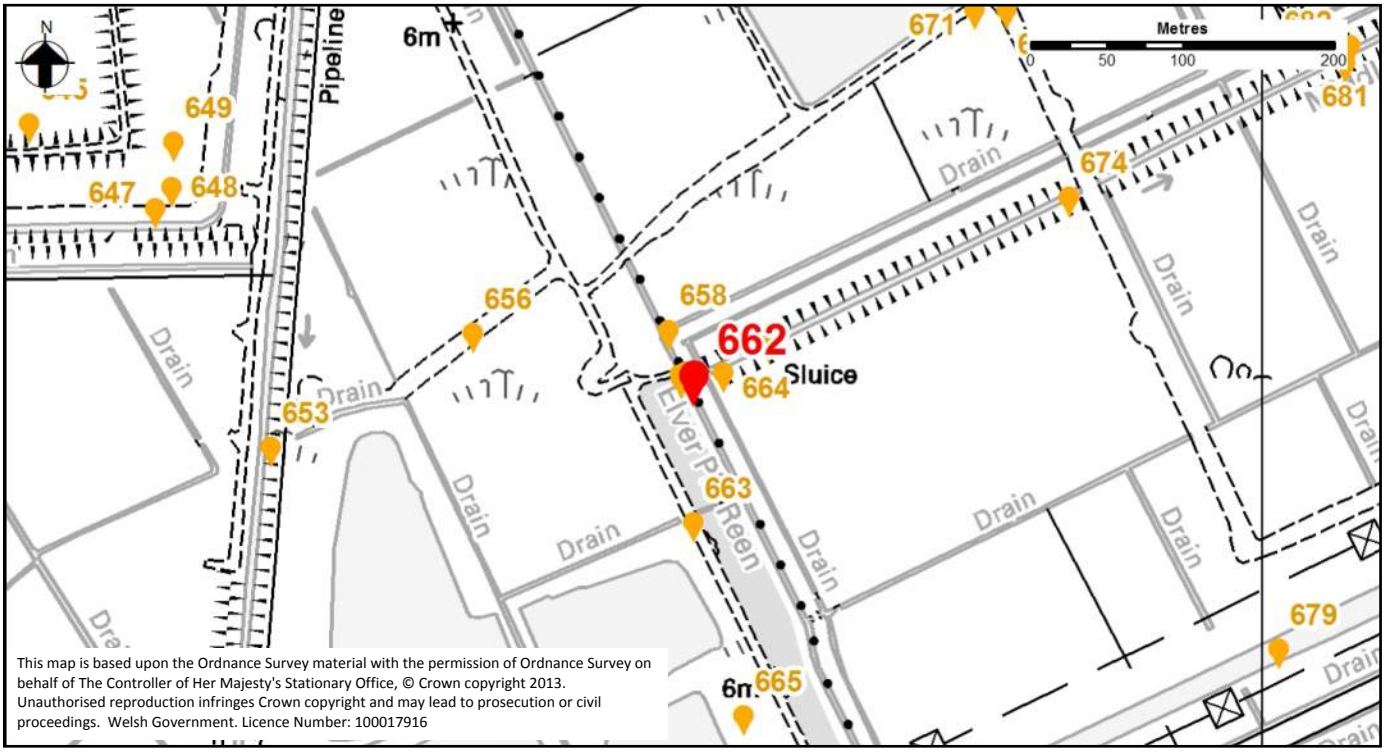

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	663	Date:	03-04-2014	GPS:	51.56, -2.89

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Diverse grassland on old track

Potential for Protected Species:

Fox path along track and rabbit paths into adjoining scrub.

Target Note Location Map:

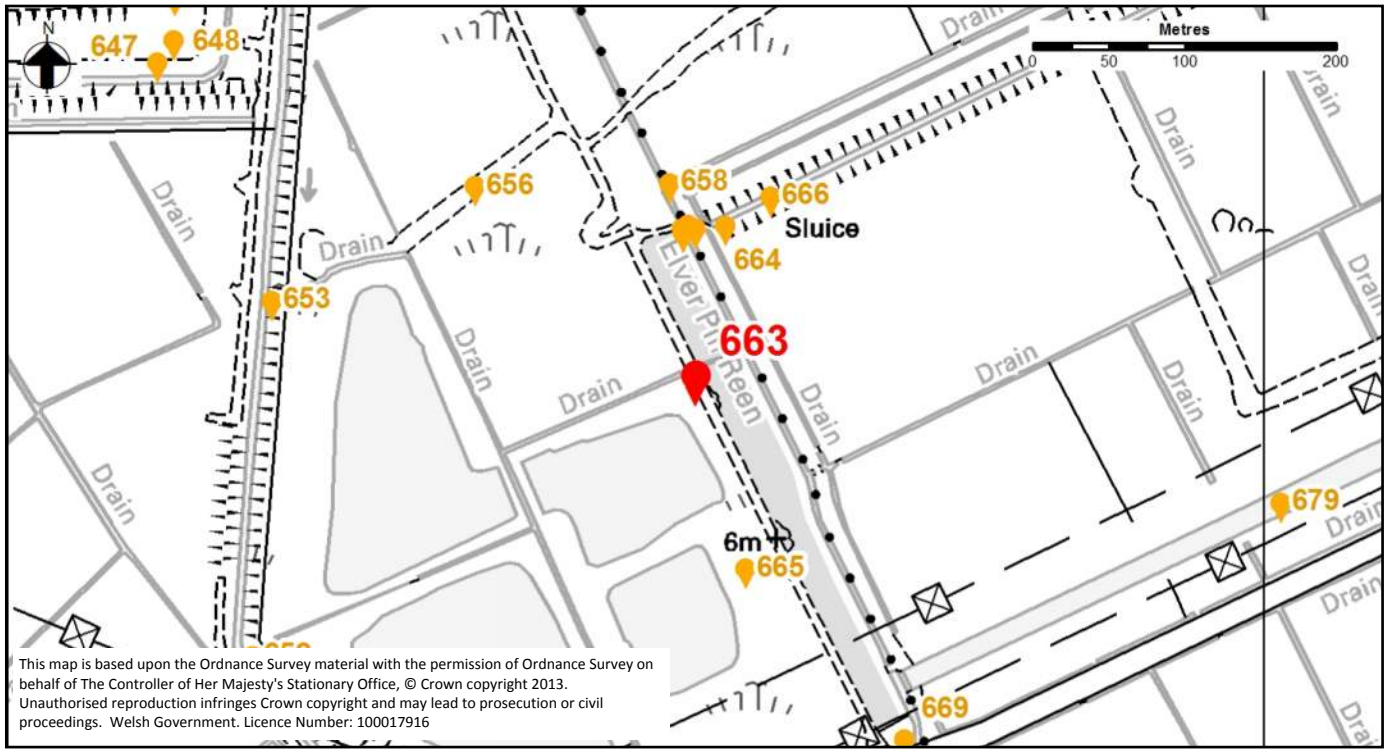

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	664	Date:	01-05-2014	GPS:	51.56, -2.89

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Grassland along side reen which has been cut occasionally to allow acess for managing reen. Species present include meadowsweet, glaucous sedge, ribwort plantain, docks, sedge, clover, dandelion, hemlock waterdropwort, wild parsnip.

Potential for Protected Species:

Target Note Location Map:

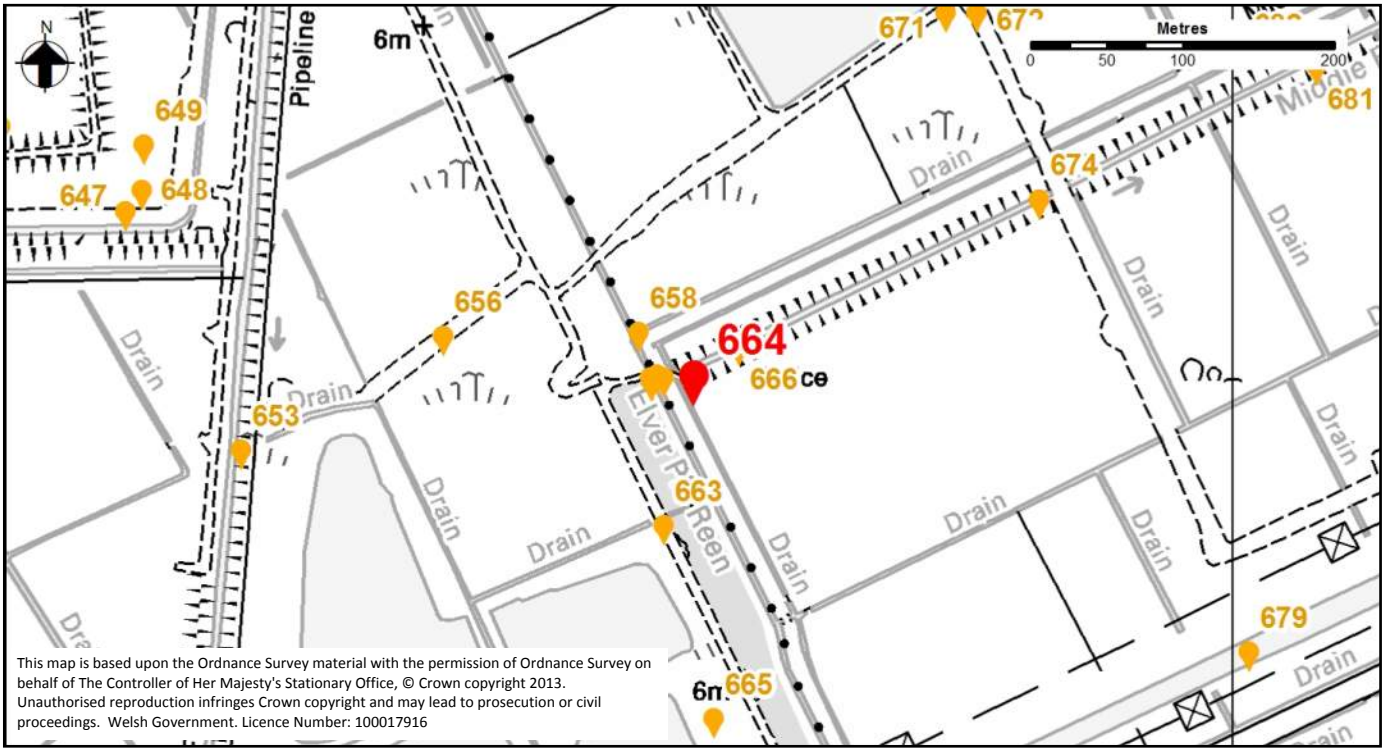

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	665	Date:	31-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

Semi-natural broadleaved woodland

Target Note:

Area of wet woodland colonised on tipping lagoon. Dominant species are willows and alder. Bramble, harts tongue fern and dog rose also present.

Potential for Protected Species:

Target Note Location Map:

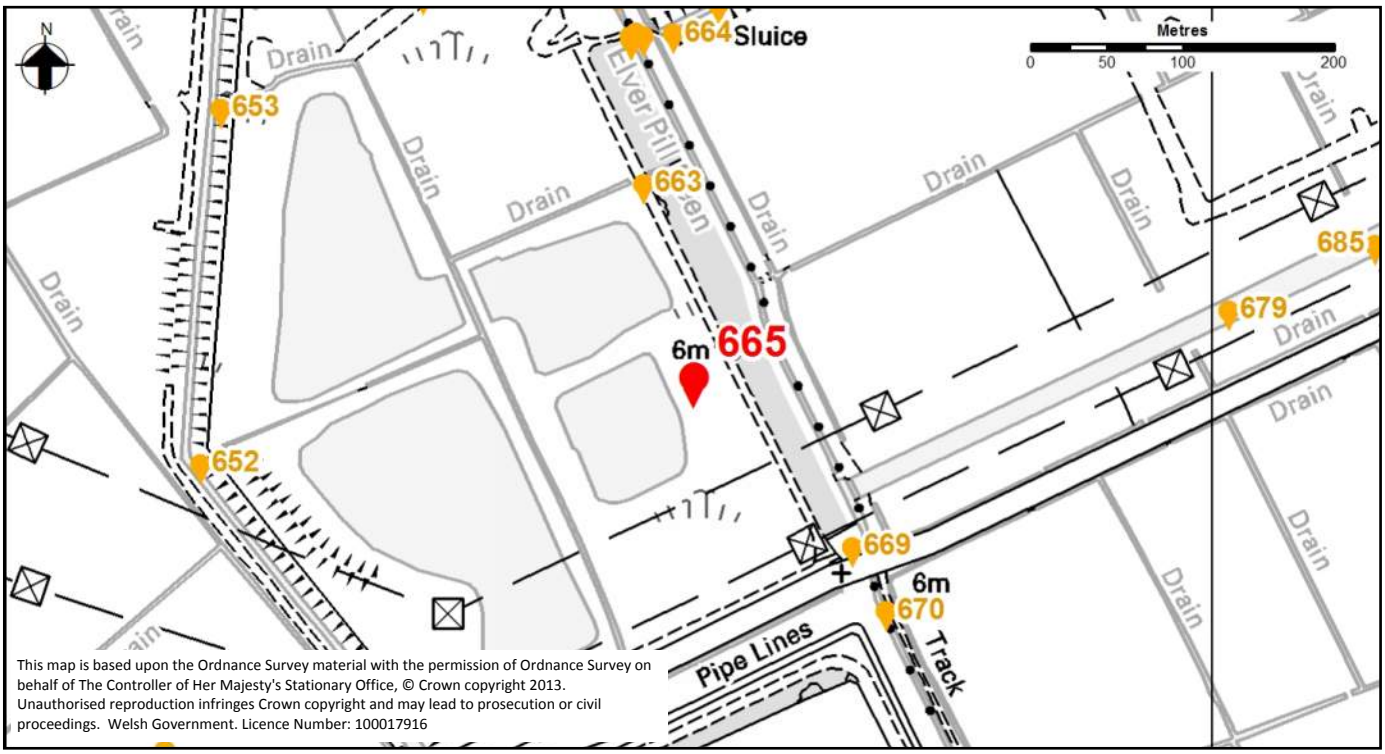

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	666	Date:	08-10-2014	GPS:	51.56, -2.89

Dominant Habitats:

Reen

Potential for Protected Species:

Otter

Target Note:

Fresh spraint/faeces with fish scales on sluice gate. Adjacent to camera.

Target Note Location Map:

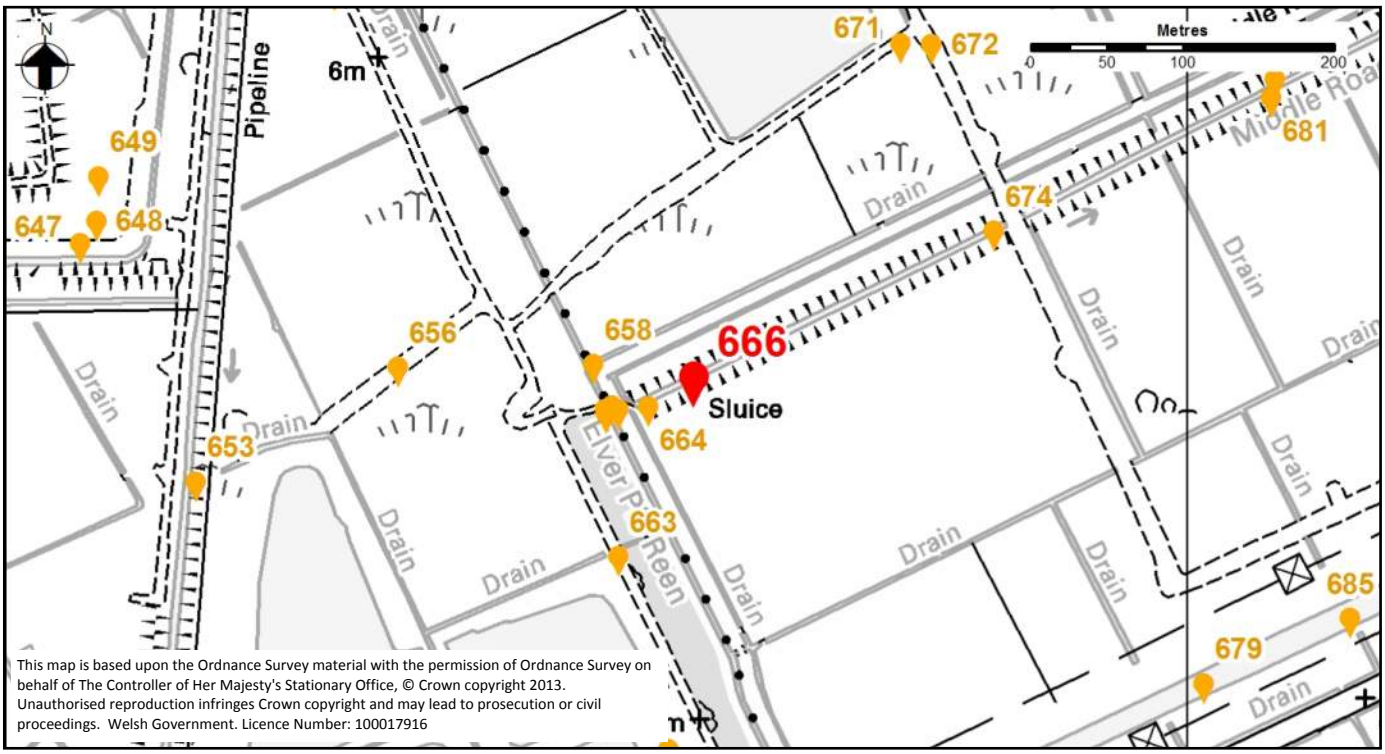

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	667	Date:	14-08-2014 11:13	GPS:	51.57, -2.89

Dominant Habitats:

Reen, scrub

Target Note:

Reed warbler sighting
Water vole heard entering water

Potential for Protected Species:

Water vole,
Reed warbler

Target Note Location Map:

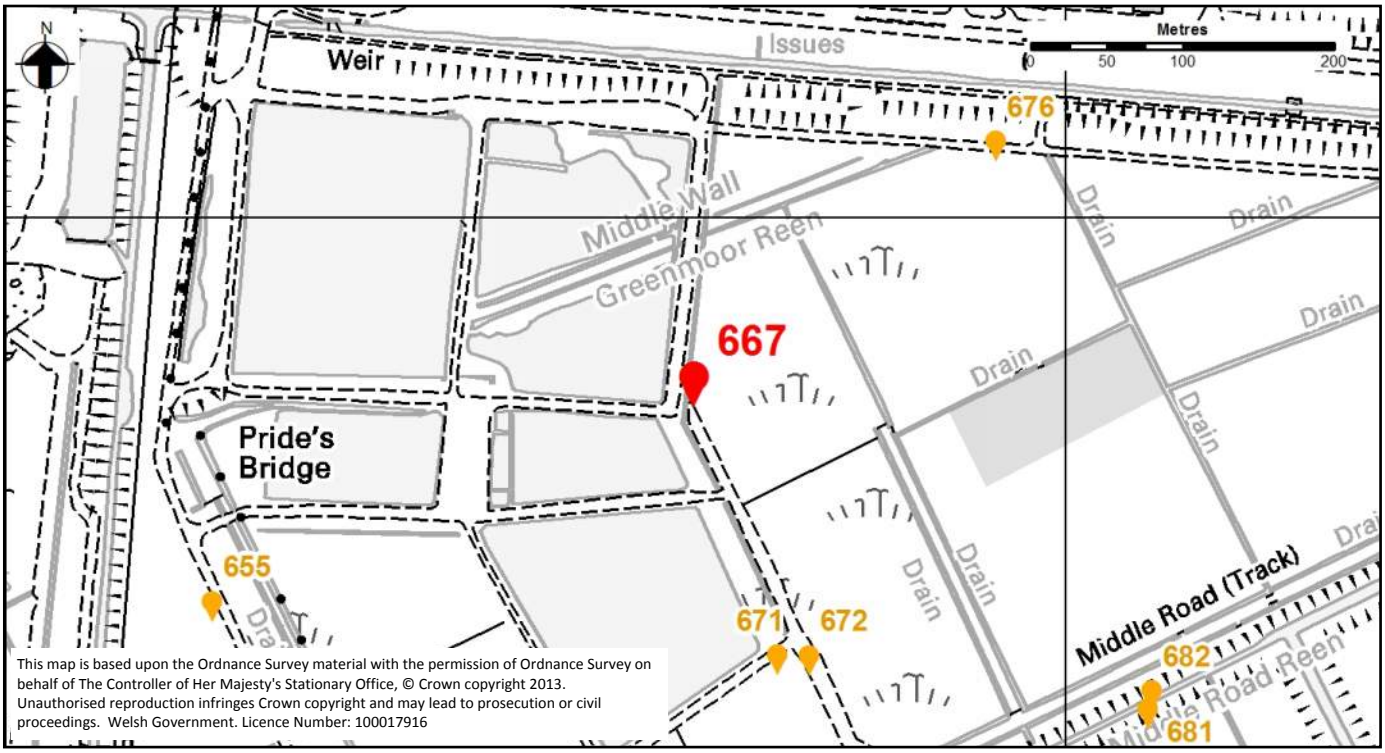

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	669	Date:	31-10-2014 14:07	GPS:	51.56, -2.88

Dominant Habitats:

Scrub/ditch

Target Note:

Possible otter pathway by bridge over ditch

Potential for Protected Species:

Otter

Target Note Location Map:

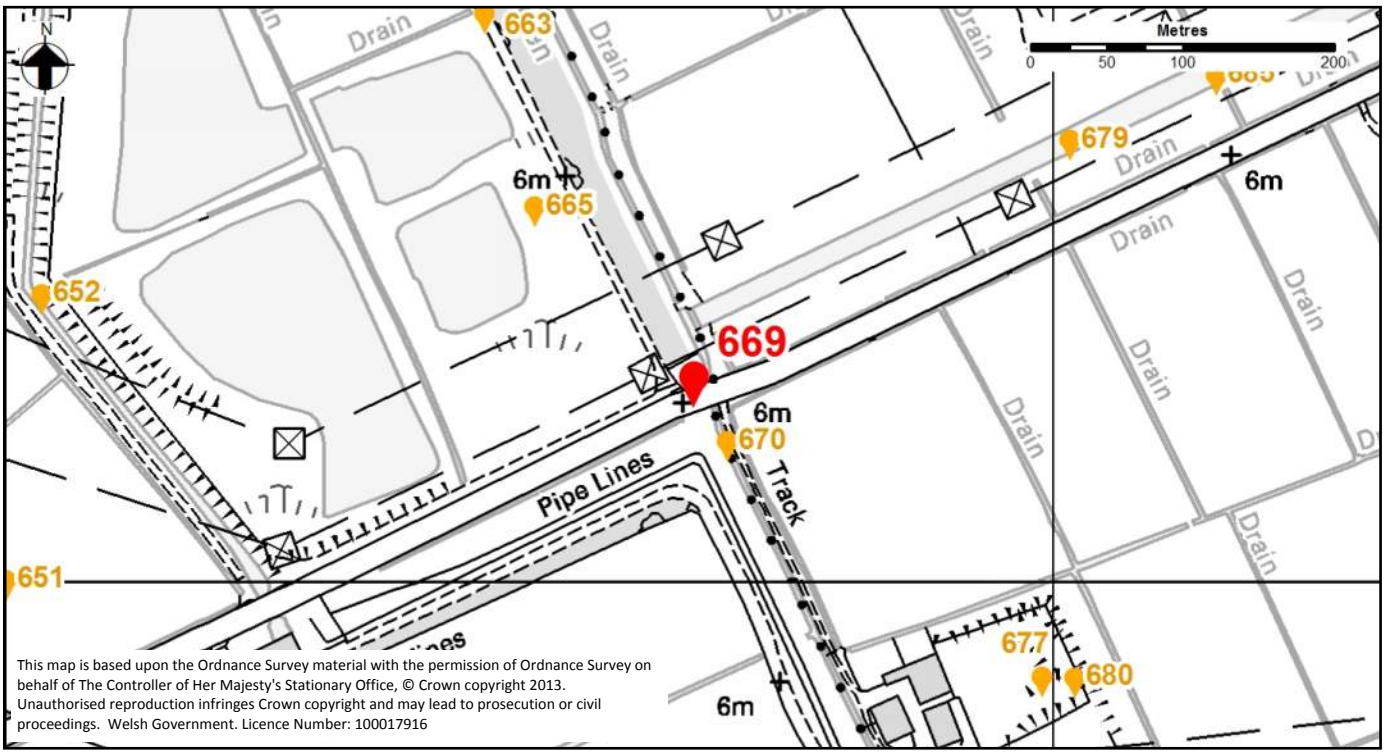

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	670	Date:	14-10-2014 11:41	GPS:	51.56, -2.88

Dominant Habitats:

Reen, scrub

Potential for Protected Species:

Target Note:

Toad disturbed

Target Note Location Map:

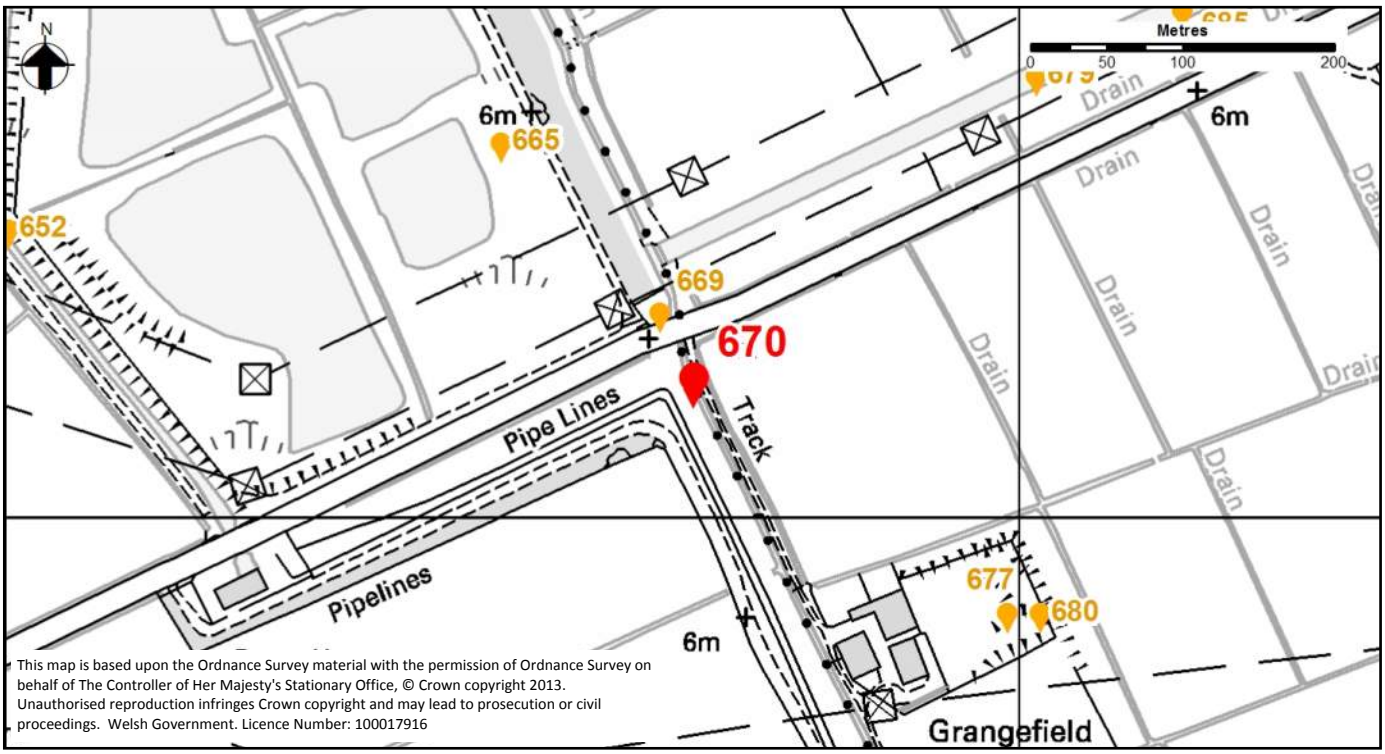

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	671	Date:	02-04-2014	GPS:	51.57, -2.88

Dominant Habitats:

Standing Water

Target Note:

Lake with common reed margin

Potential for Protected Species:

22 tufted ducks and 2 mallards present

Target Note Location Map:

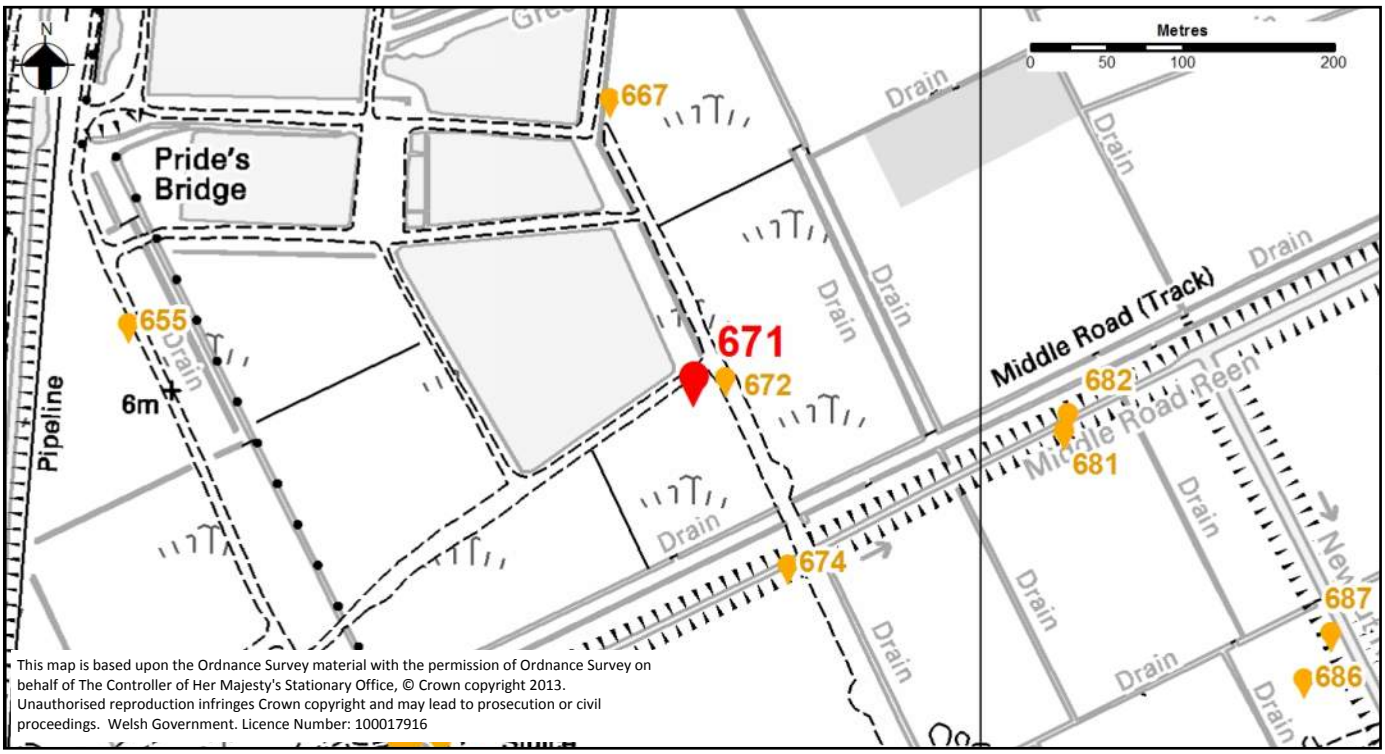

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	672	Date:	02-04-2014	GPS:	51.57, -2.88

Dominant Habitats:

Swamp

Target Note:

Swamp with common reed and sedges, willow scrub present

Potential for Protected Species:

Target Note Location Map:

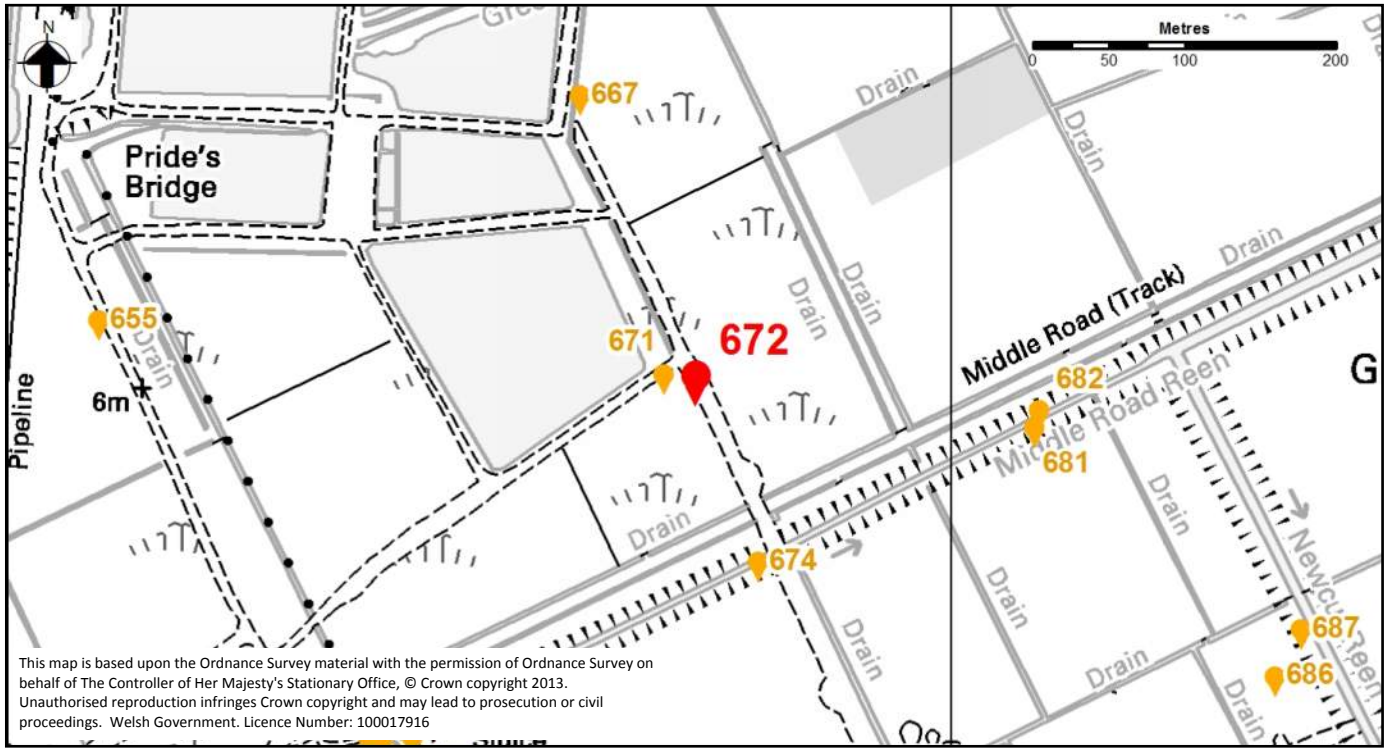

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	674	Date:	01-05-2014 12:34	GPS:	51.57, -2.88

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	676	Date:	02-04-2014	GPS:	51.57, -2.88

Dominant Habitats:

Dense continuous scrub

Target Note:

Former lagoon now colonised by scrub including willow and bramble. Some common reed present.

Potential for Protected Species:

Target Note Location Map:

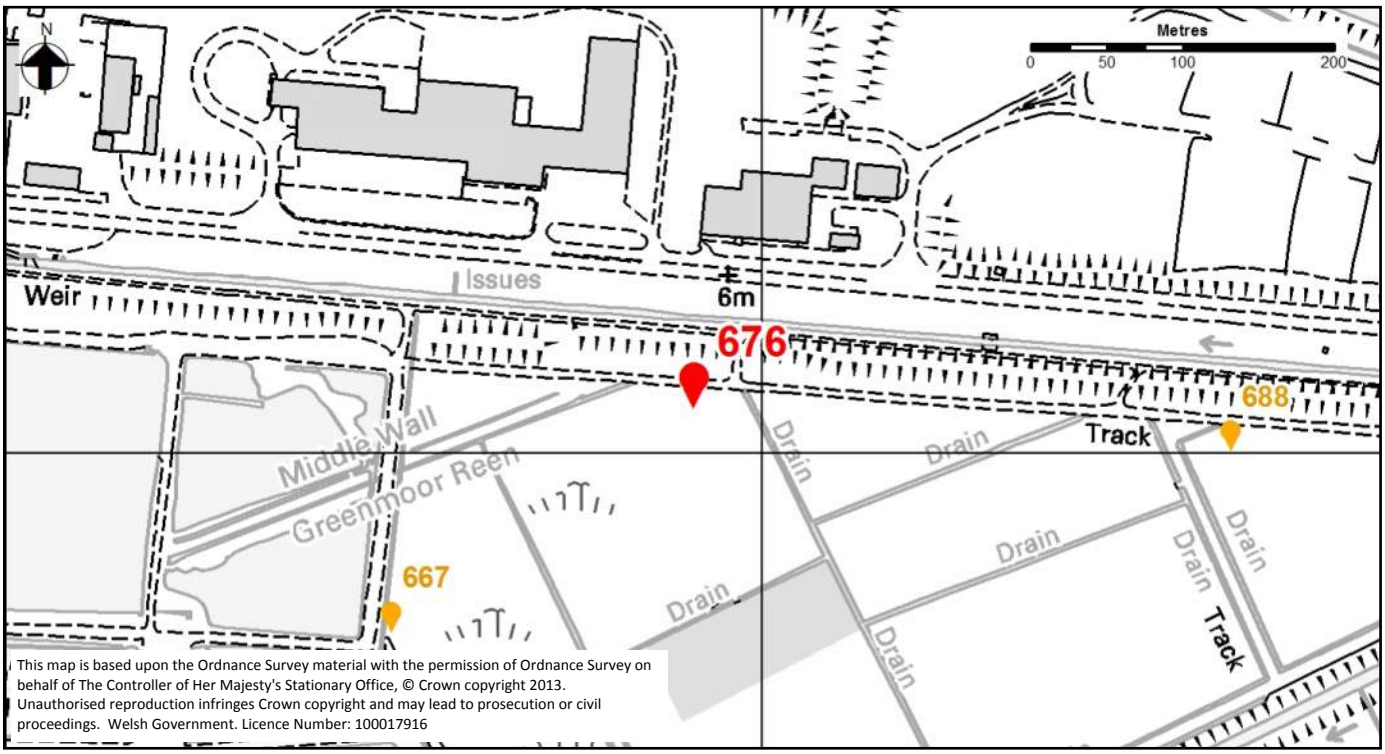

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	677	Date:		GPS:	51.56, -2.88

Dominant Habitats:

Target Note:

Perennial ryegrass, sheep sorrel, nettle, creeping thistle, white clover, meadow foxtail, Molinia sp.

Potential for Protected Species:

Target Note Location Map:

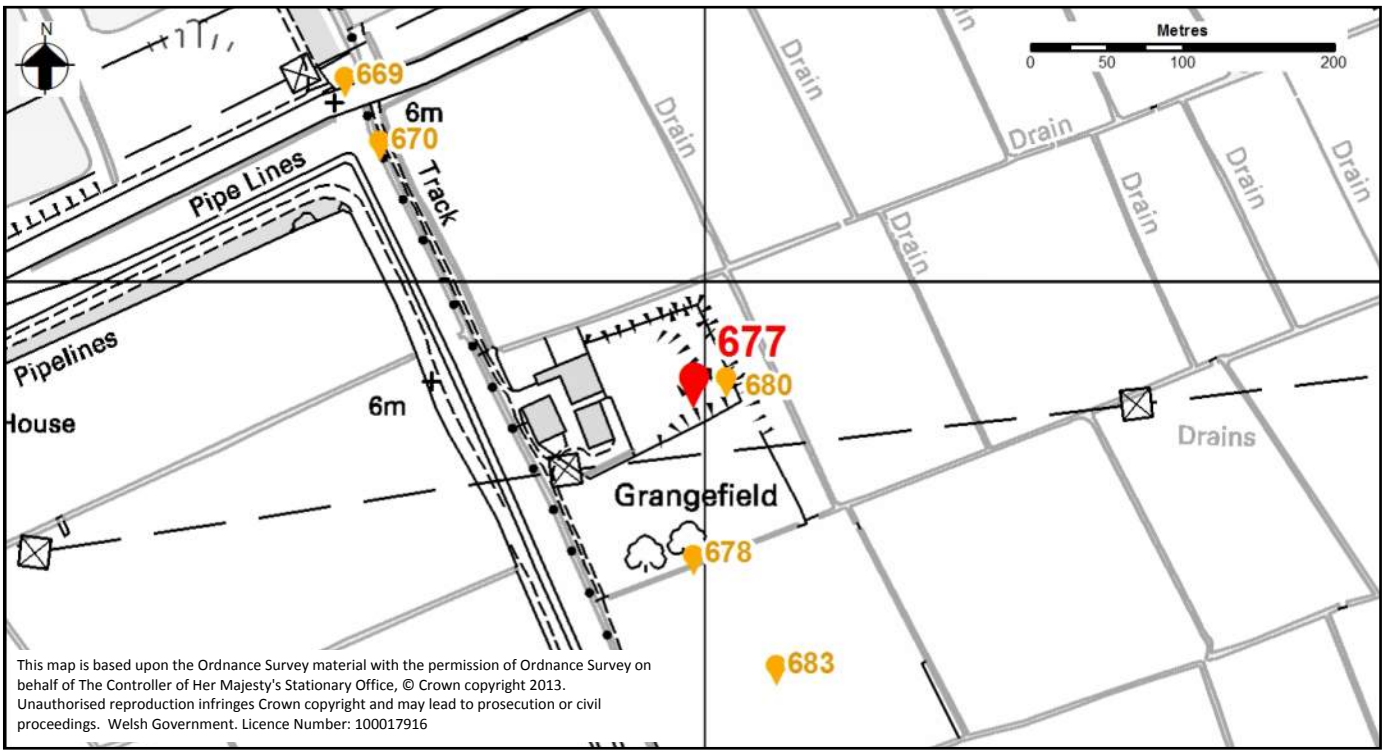

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	678	Date:	06-08-2014 15:21	GPS:	51.56, -2.88

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Bats

Target Note:

Mature poplars with bat potential, mistletoe in poplars

Target Note Location Map:

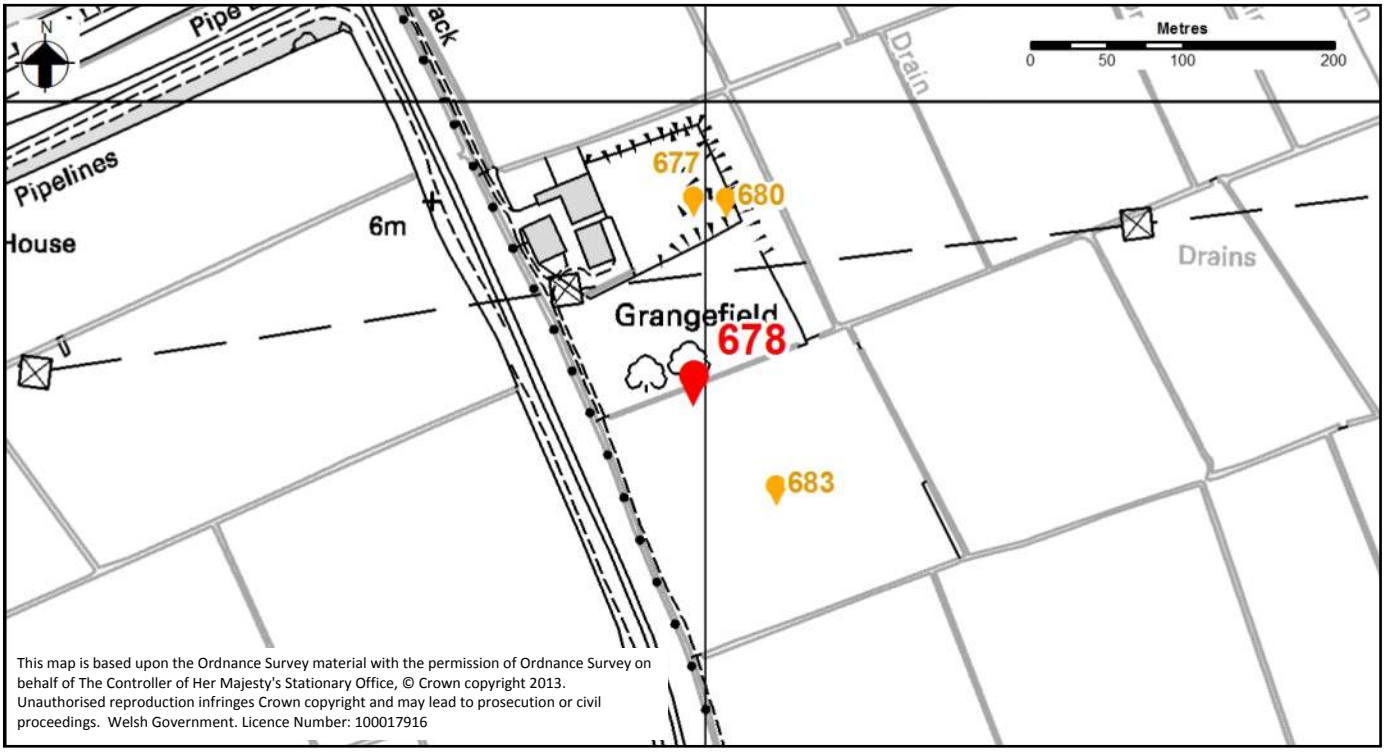

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	679	Date:	01-05-2014 13:08	GPS:	51.56, -2.88

Dominant Habitats:

Marshy grassland

Target Note:

Possible mammal pathway leading into vegetation

Potential for Protected Species:

Target Note Location Map:

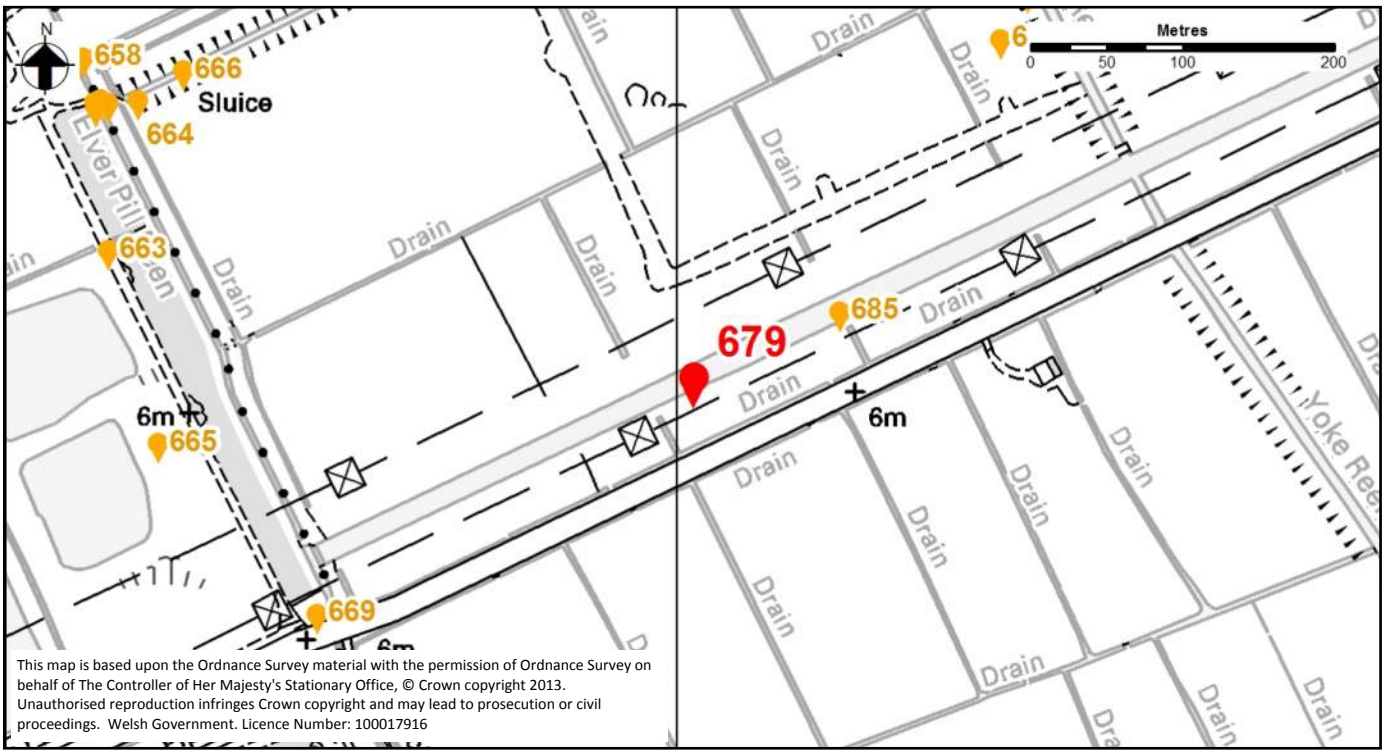

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	680	Date:		GPS:	51.56, -2.88

Dominant Habitats:

Target Note:

Juncus sp., sheep sorrel, meadow buttercup, perennial ryegrass, crested dog's tail, thistle, white clover

Potential for Protected Species:

Target Note Location Map:

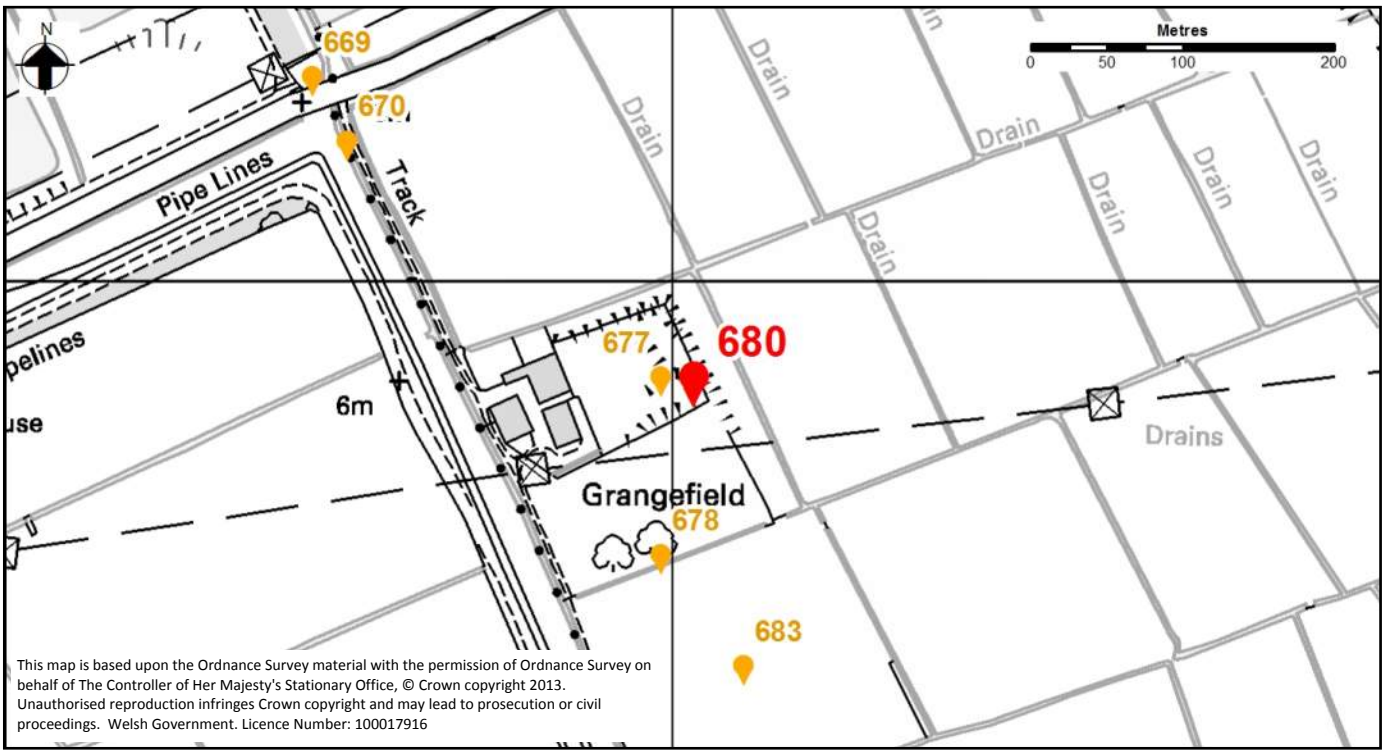

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	681	Date:	01-05-2014	GPS:	51.57, -2.88

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Tussocky grassland with willowherbs and teasel. Scrub starting to encroach from hedges.

Potential for Protected Species:

Potential for protected invertebrates

Target Note Location Map:

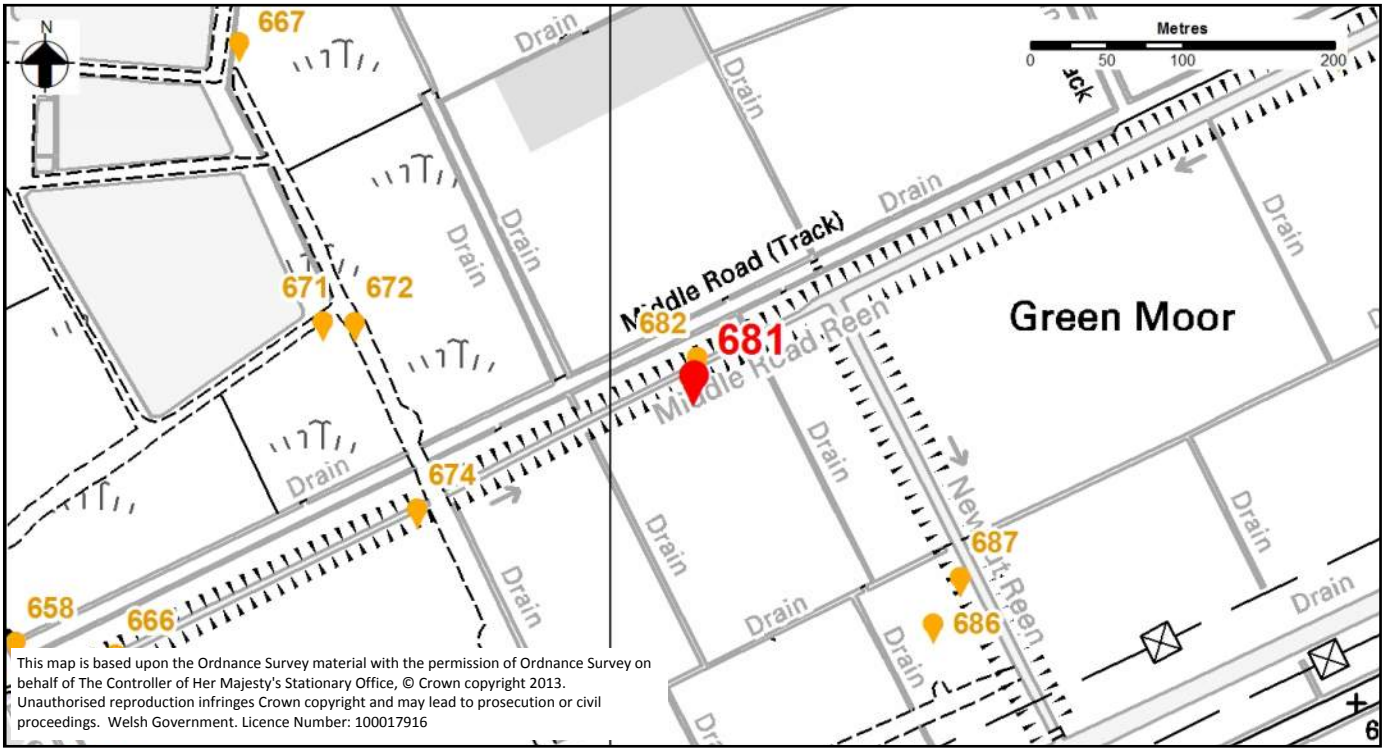

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	682	Date:	02-04-2014 16:04	GPS:	51.57, -2.88

Dominant Habitats:

Improved grassland / reen

Target Note:

Mammal pathway present

Potential for Protected Species:

Target Note Location Map:

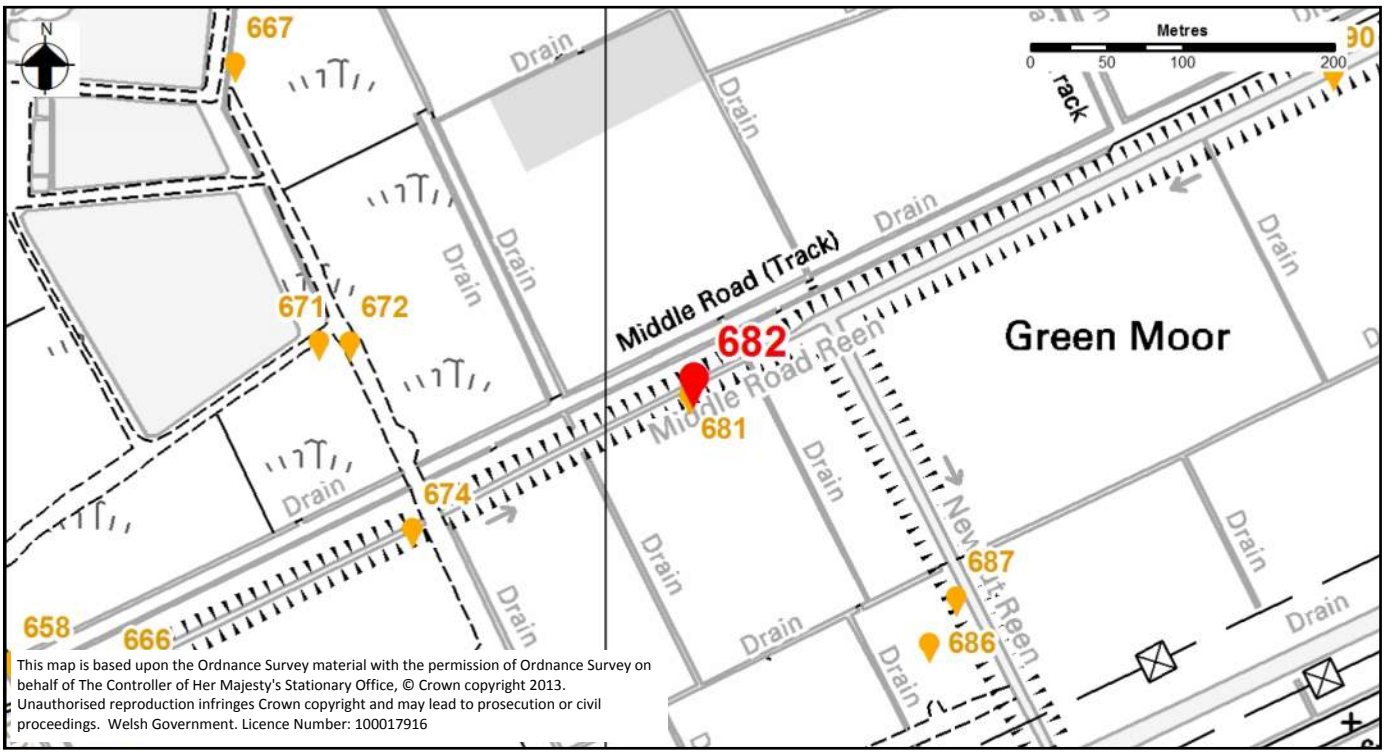

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	683	Date:		GPS:	51.56, -2.88

Dominant Habitats:

Target Note:

Perennial ryegrass, meadow foxtail, white clover, meadow buttercup.
Common blue.

Potential for Protected Species:

Target Note Location Map:

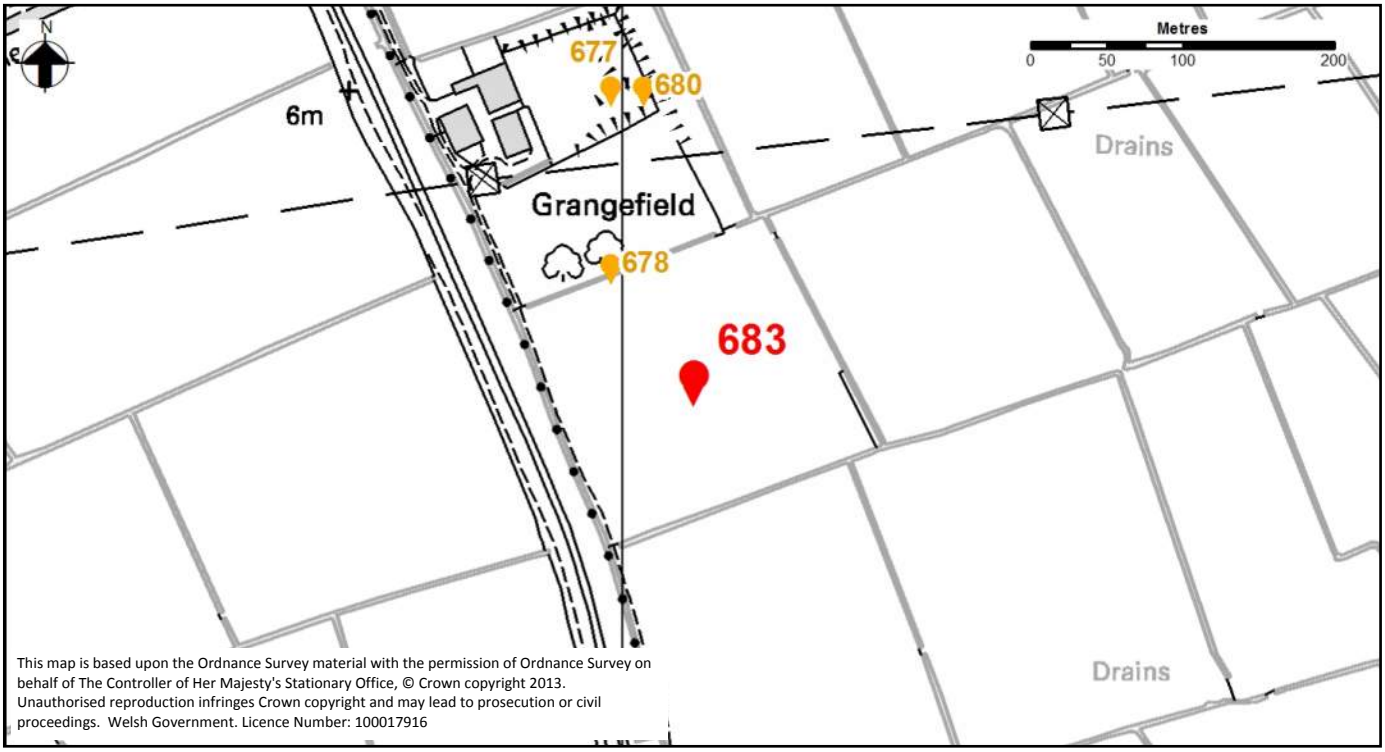

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	685	Date:	07-08-2014	GPS:	51.56, -2.88

Dominant Habitats:

Livestock grazed field, reen

Target Note:

Dead grass snake

Potential for Protected Species:

Grass snake

Target Note Location Map:

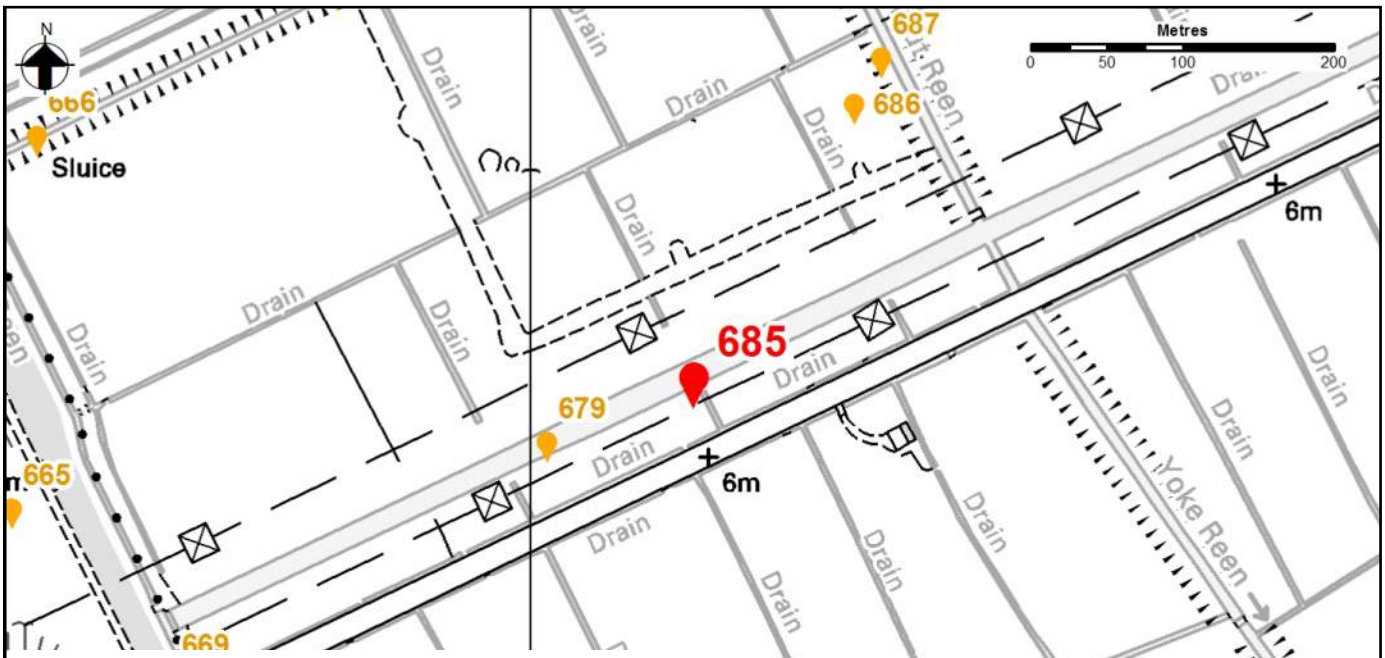

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	686	Date:		GPS:	51.57, -2.88

Dominant Habitats:

Target Note:

Teasel, willowherb sp.

Potential for Protected Species:

Target Note Location Map:

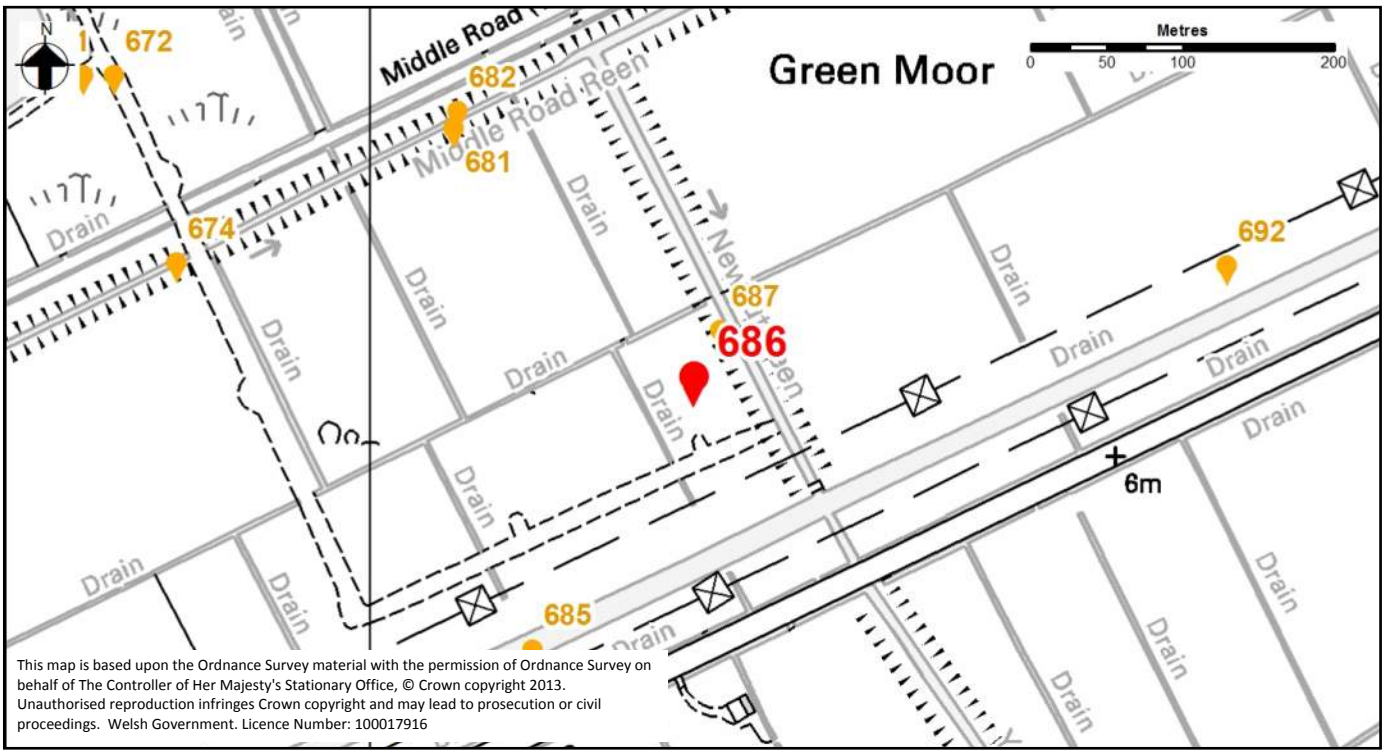

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	687	Date:	01-05-2014 12:05	GPS:	51.57, -2.88

Dominant Habitats:

Improved grassland/reen

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

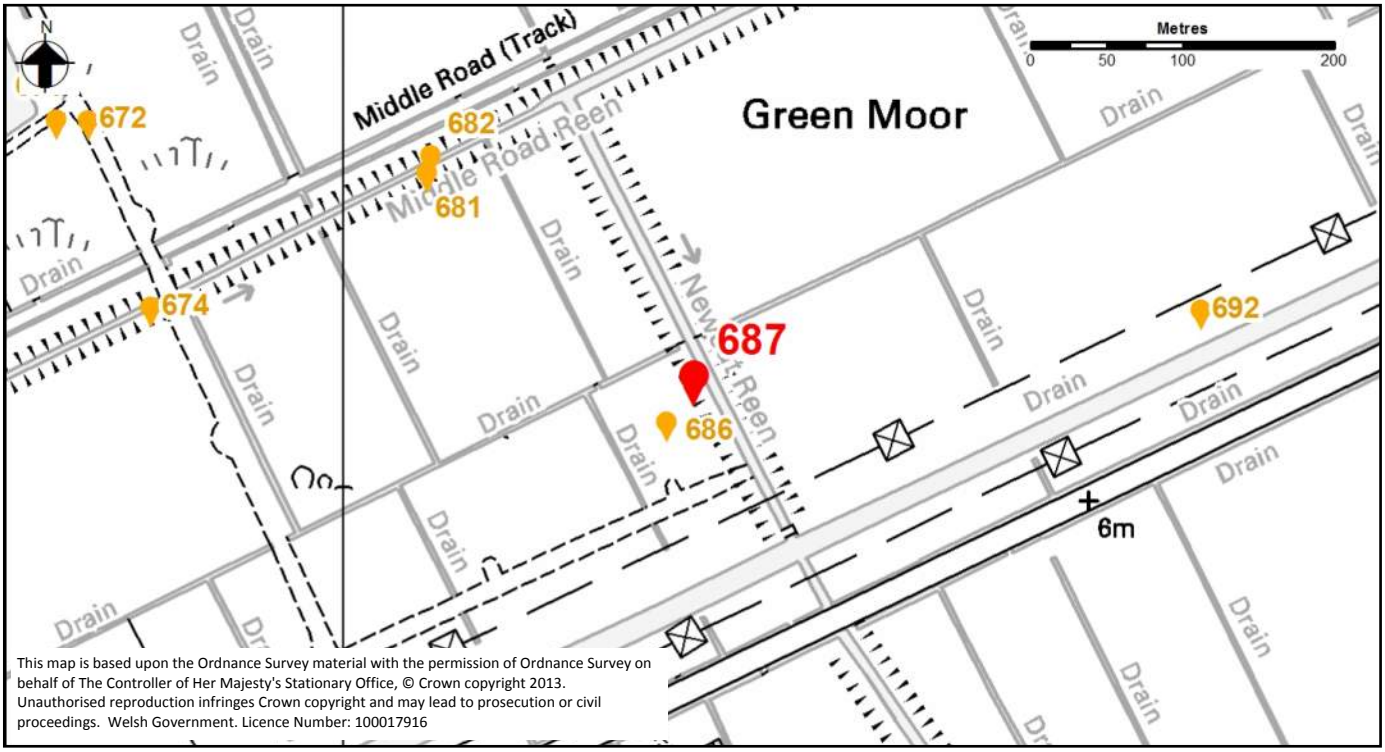

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	688	Date:	02-04-2014	GPS:	51.57, -2.88

Dominant Habitats:

Swamp

Target Note:

Lagoon with sedge and grasses. Bramble scrub encroaching.

Potential for Protected Species:

Target Note Location Map:

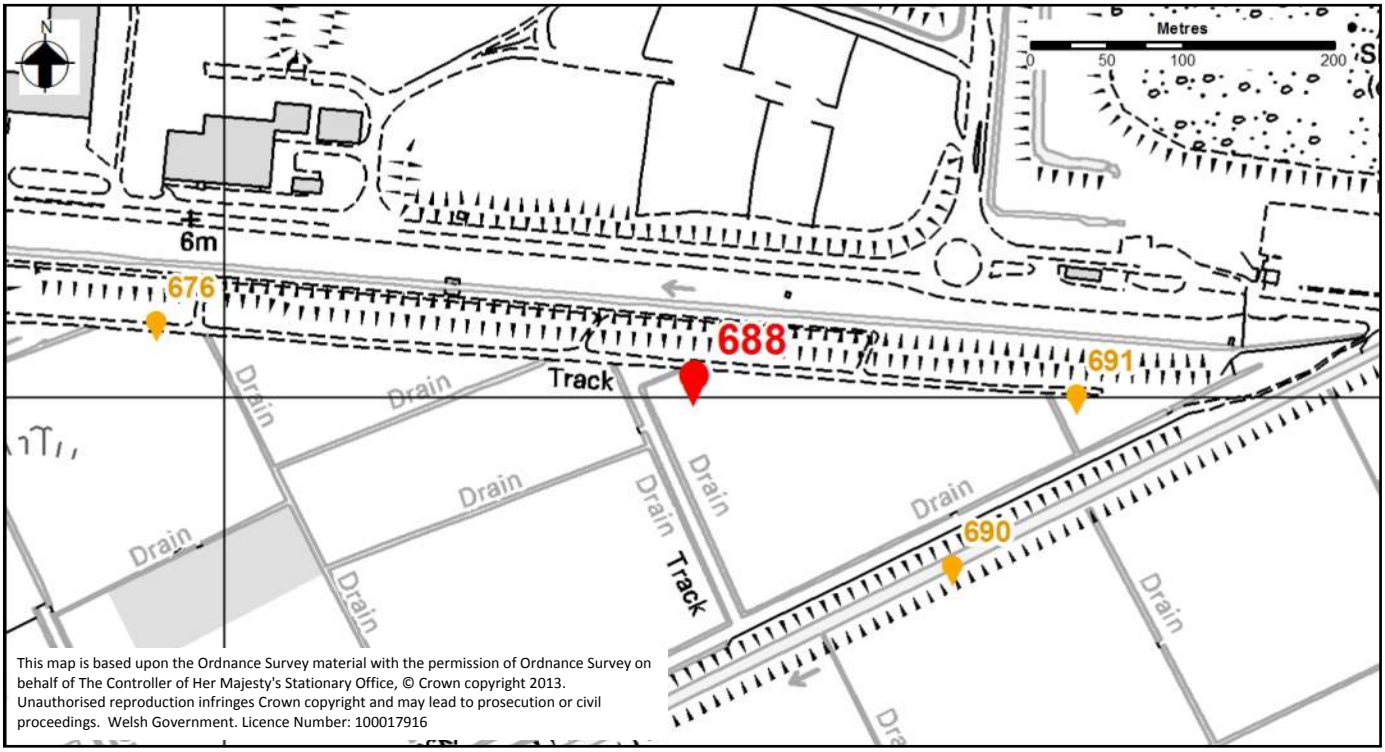

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	690	Date:	02-04-2014	GPS:	51.57, -2.87

Dominant Habitats:

Standing water

Target Note:

Large reen.

Potential for Protected Species:

Possible water vole burrow. Great spotted woodpecker heard calling.

Target Note Location Map:

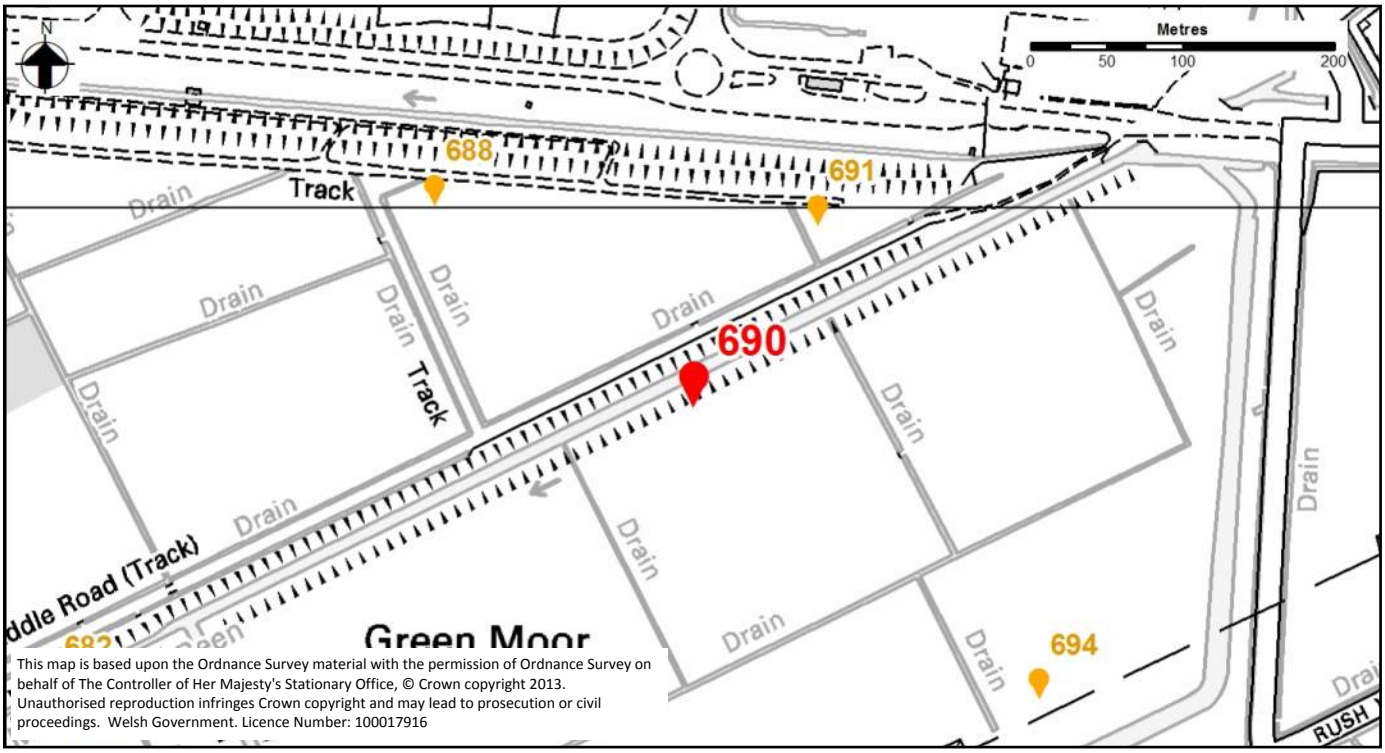

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	691	Date:	16-10-2014 11:42	GPS:	51.57, -2.87

Dominant Habitats:

Ditch, woodland scrub

Potential for Protected Species:

WCA Schedule 9 Invasive

Target Note:

Himalayan balsam

Target Note Location Map:

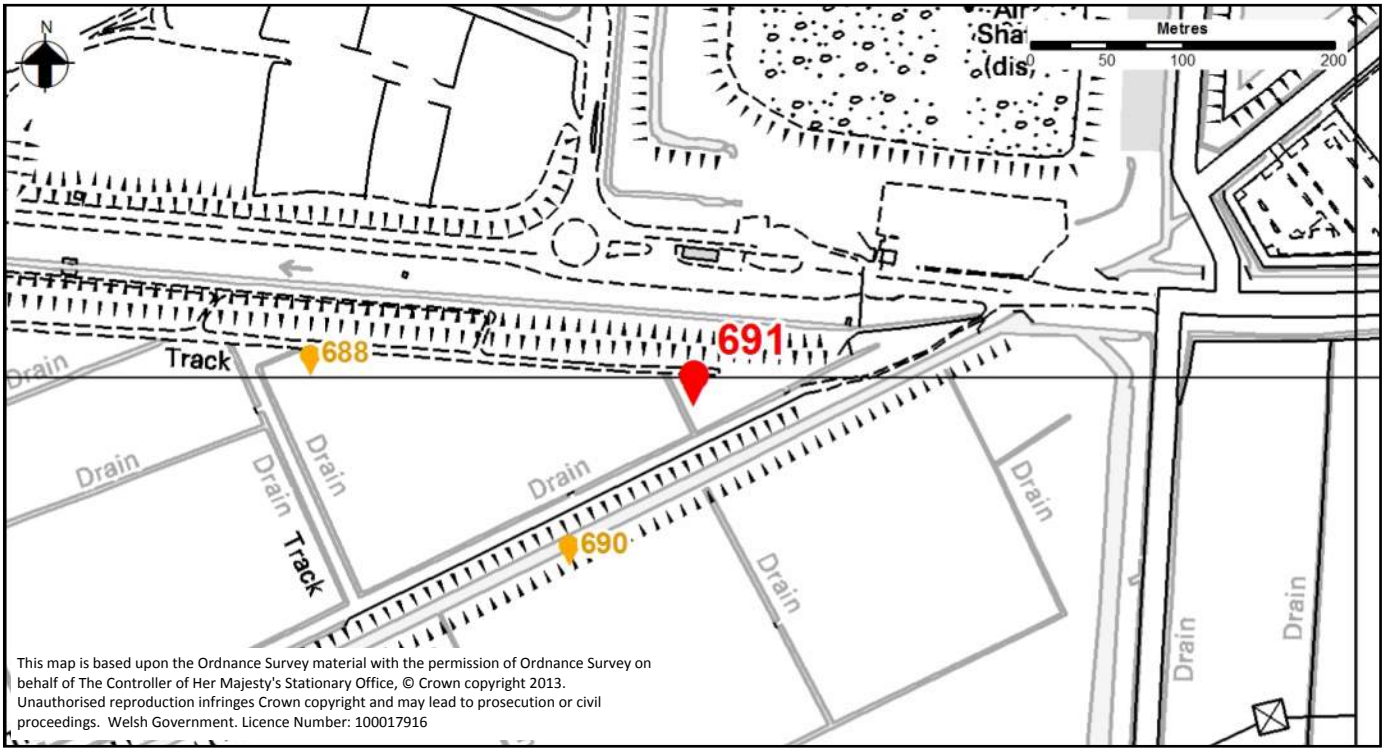

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	692	Date:		GPS:	51.57, -2.87

Dominant Habitats:

Target Note:

Hawthorn, bramble

Potential for Protected Species:

Target Note Location Map:

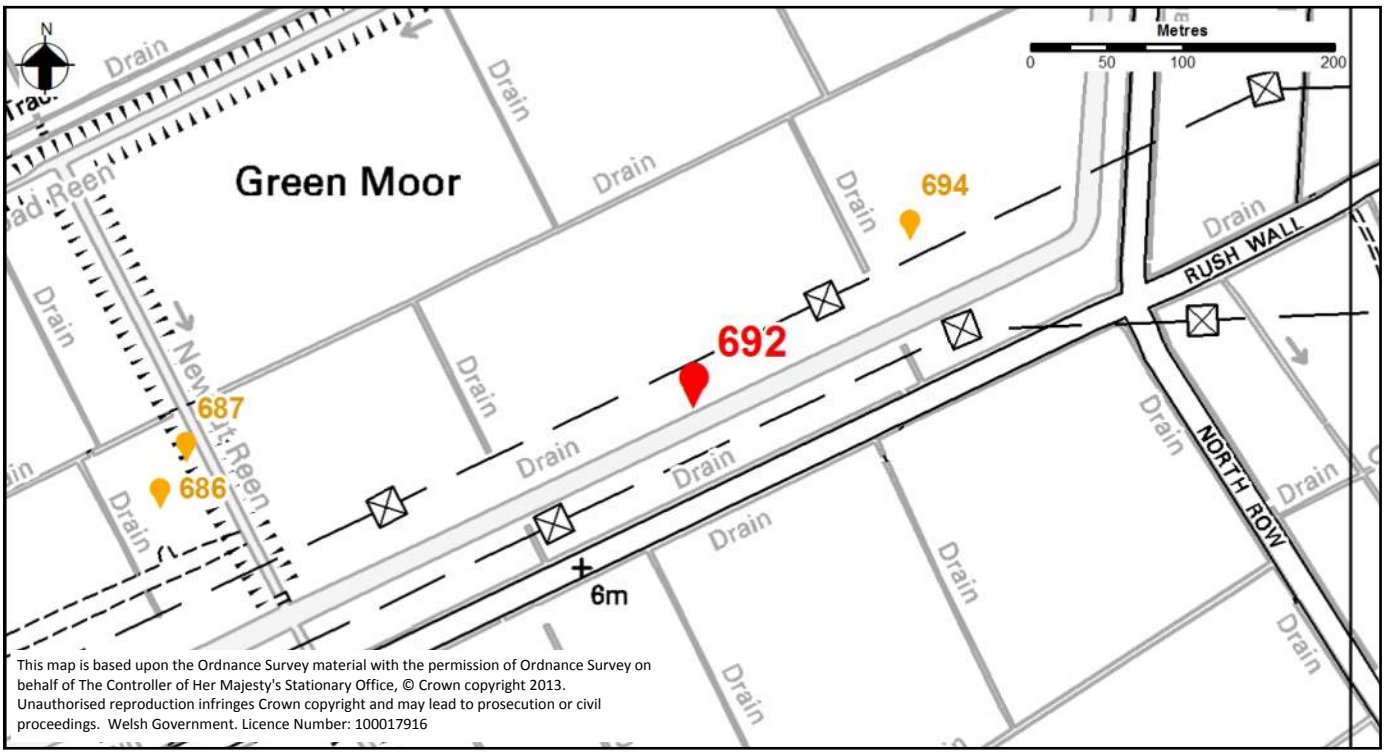

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	693	Date:	22-10-2014 11:27	GPS:	51.56, -2.87

Dominant Habitats:

Ditch, arable

Target Note:

Fox scat

Potential for Protected Species:

Target Note Location Map:

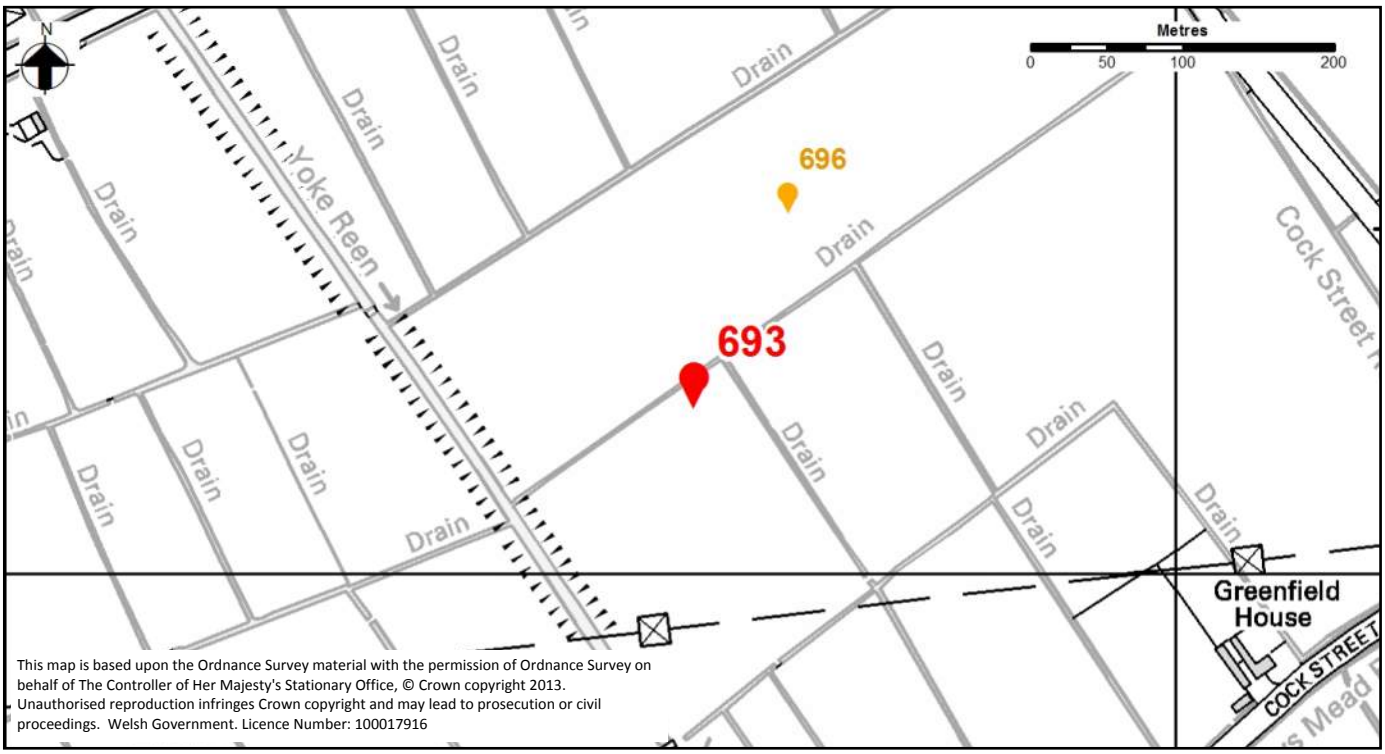

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	694	Date:	01-05-2014	GPS:	51.57, -2.87

Dominant Habitats:

Marsh/marshy grassland

Potential for Protected Species:

Potential habitat for snipe and mallard

Target Note:

Large depression within improved field, dominated by hard rush, docks, timothy grass, and other aquatic/marginal plants. Cuckoo flower evident in places.

Target Note Location Map:

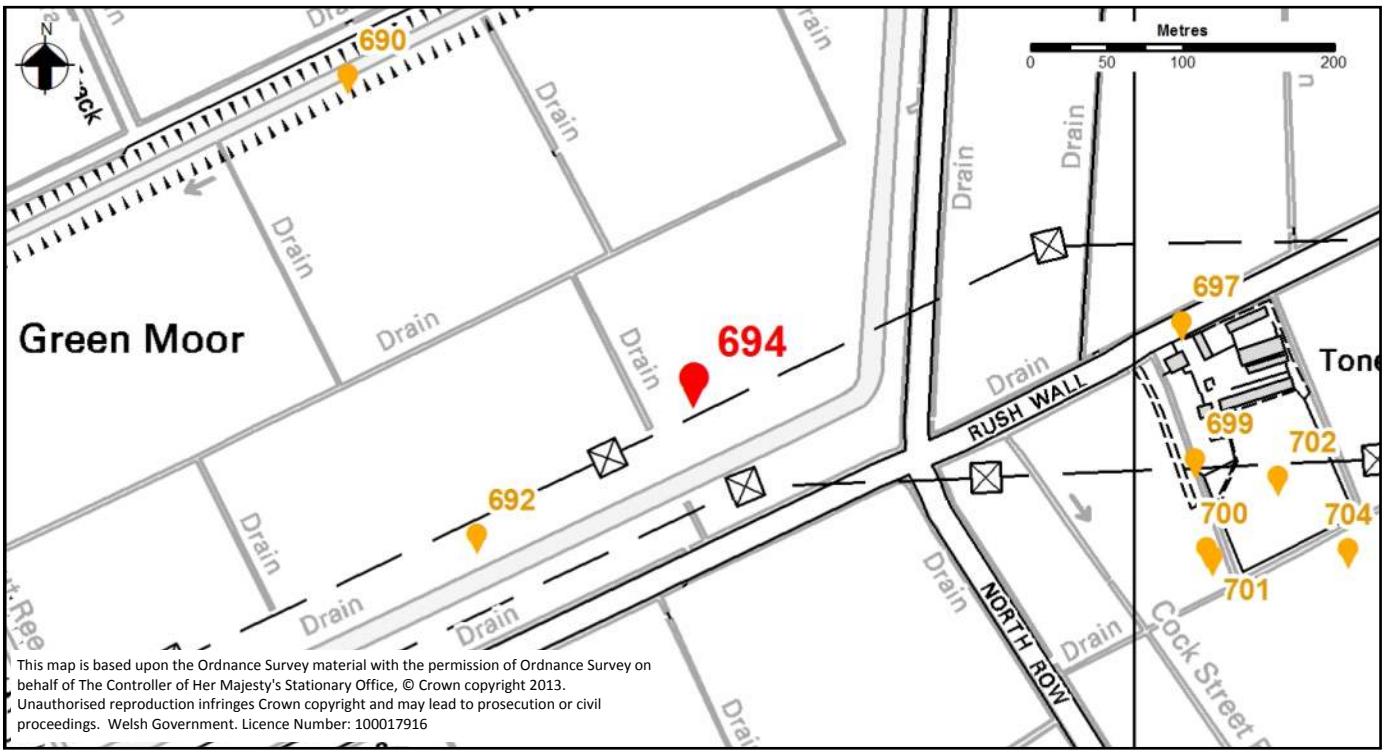

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	696	Date:		GPS:	51.56, -2.87

Dominant Habitats:

Target Note:

White clover, perennial ryegrass, pineapple weed, greater plantain, phragmites

Potential for Protected Species:

Target Note Location Map:

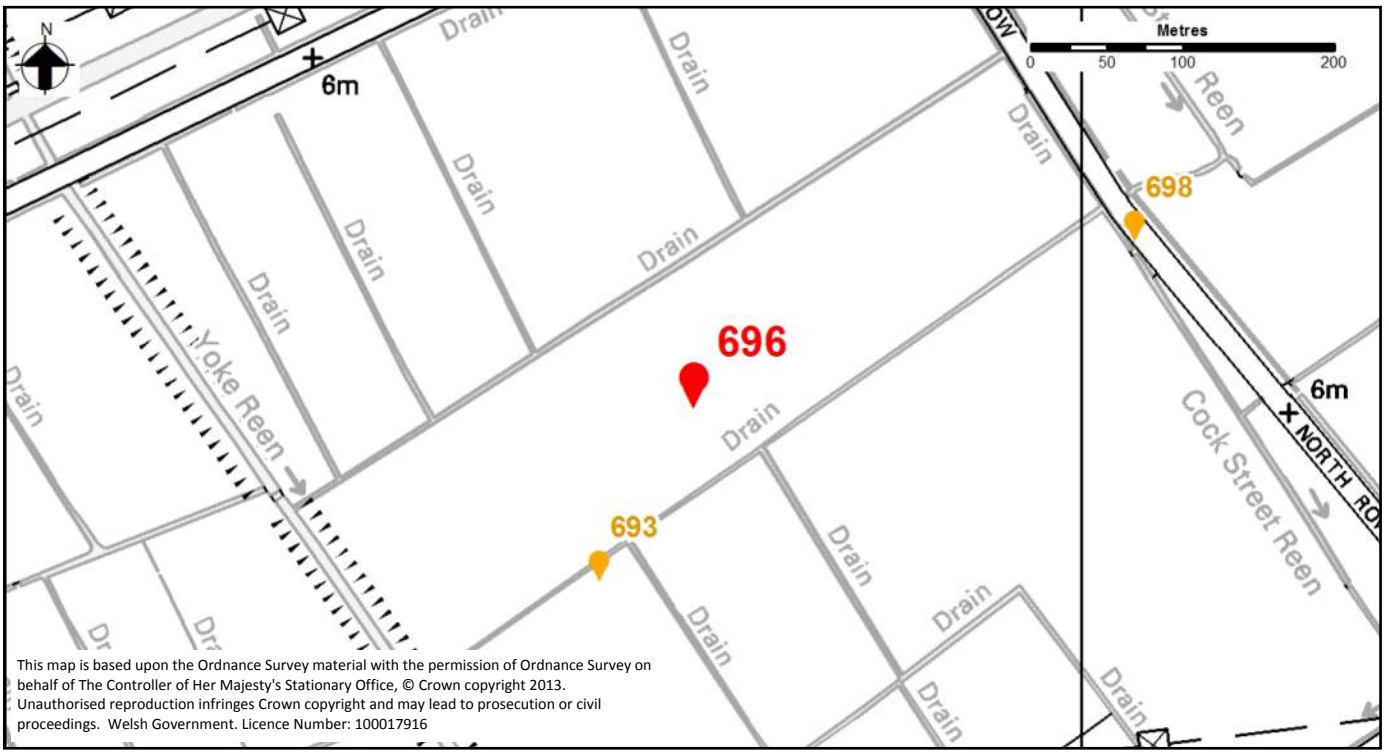

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	697	Date:	07-08-2014	GPS:	51.57, -2.87

Dominant Habitats:

Tall ruderal

Potential for Protected Species:

Reptiles

Target Note:

Compost heap adjacent to reen

Target Note Location Map:

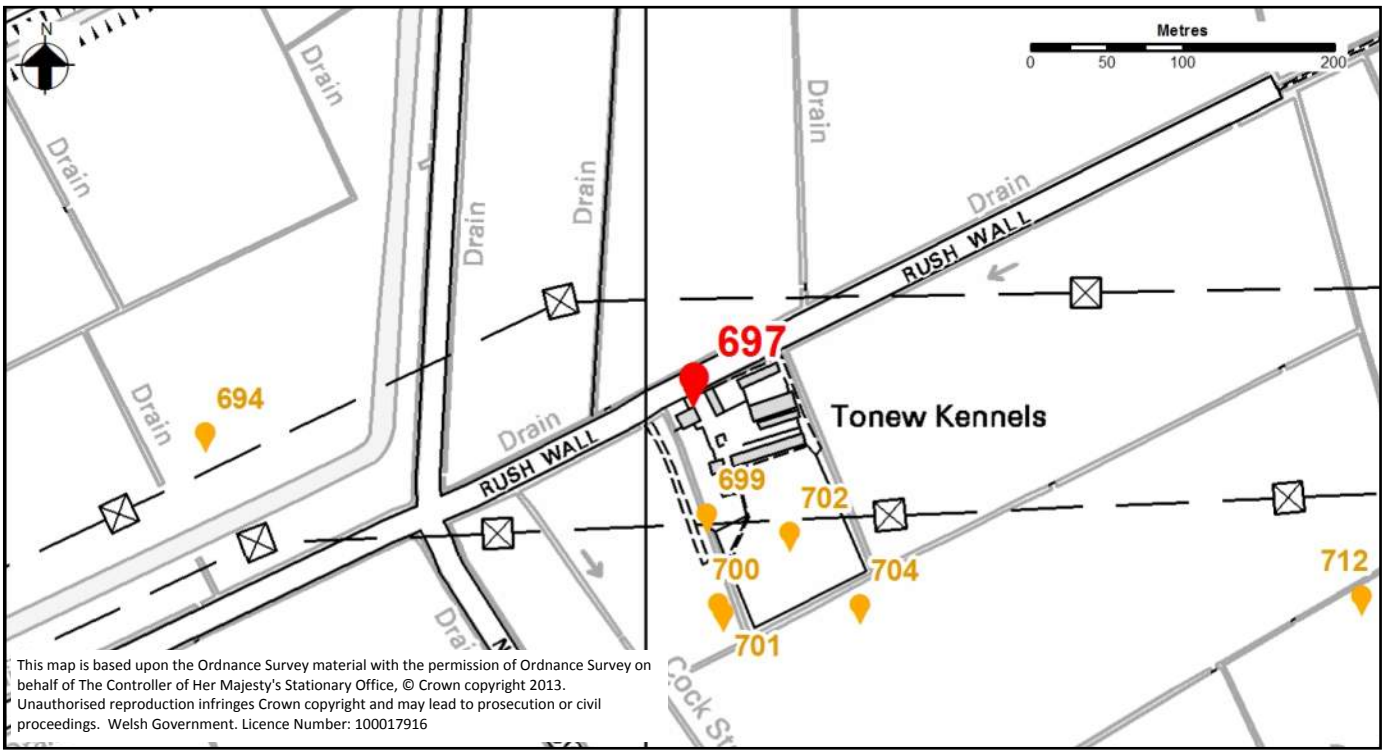

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	698	Date:	12-08-2014	GPS:	51.56, -2.87

Dominant Habitats:

Field ditch / hedgerow

Potential for Protected Species:

Bat

Target Note:

Veteran crack willow tree with branch stumps and ivy

Target Note Location Map:

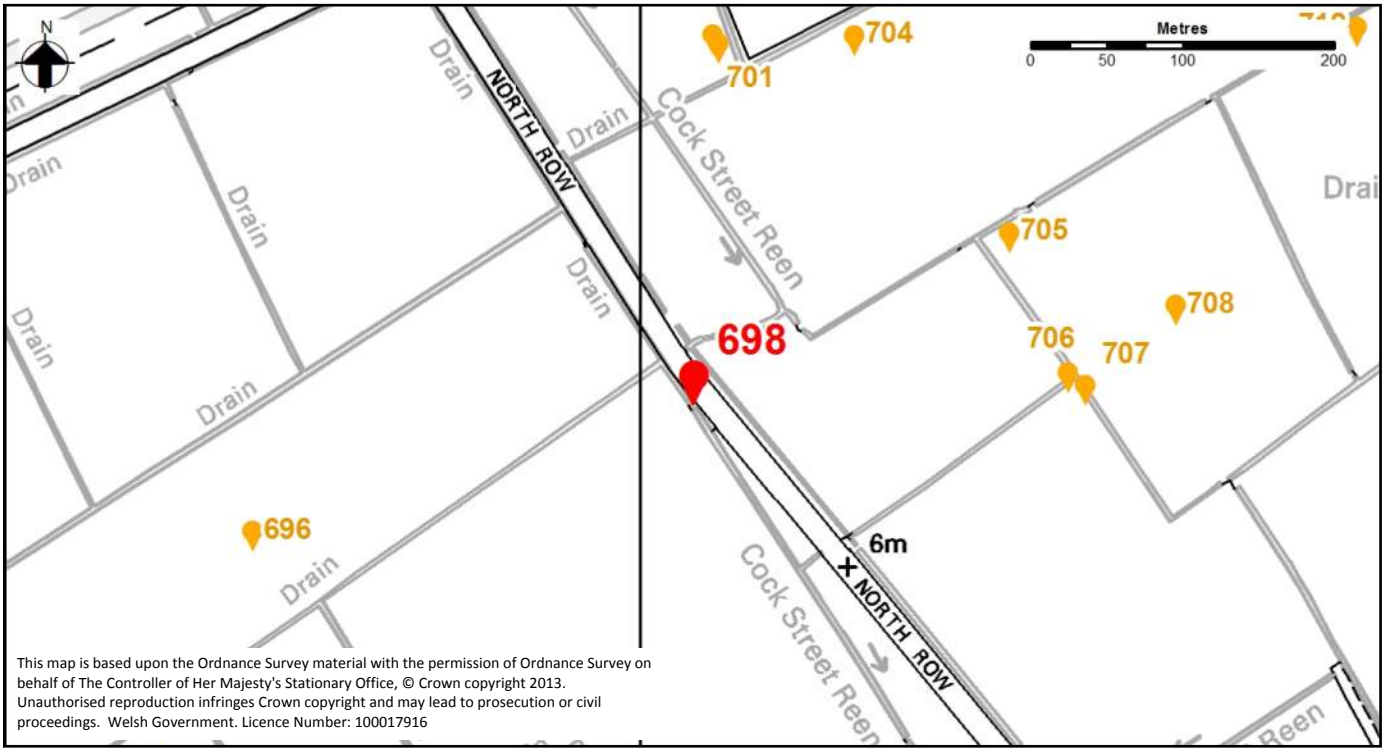

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	699	Date:		GPS:	51.57, -2.87

Dominant Habitats:

Target Note:

Willow, bramble, nettle, ivy, yellow flag iris.

Potential for Protected Species:

Target Note Location Map:

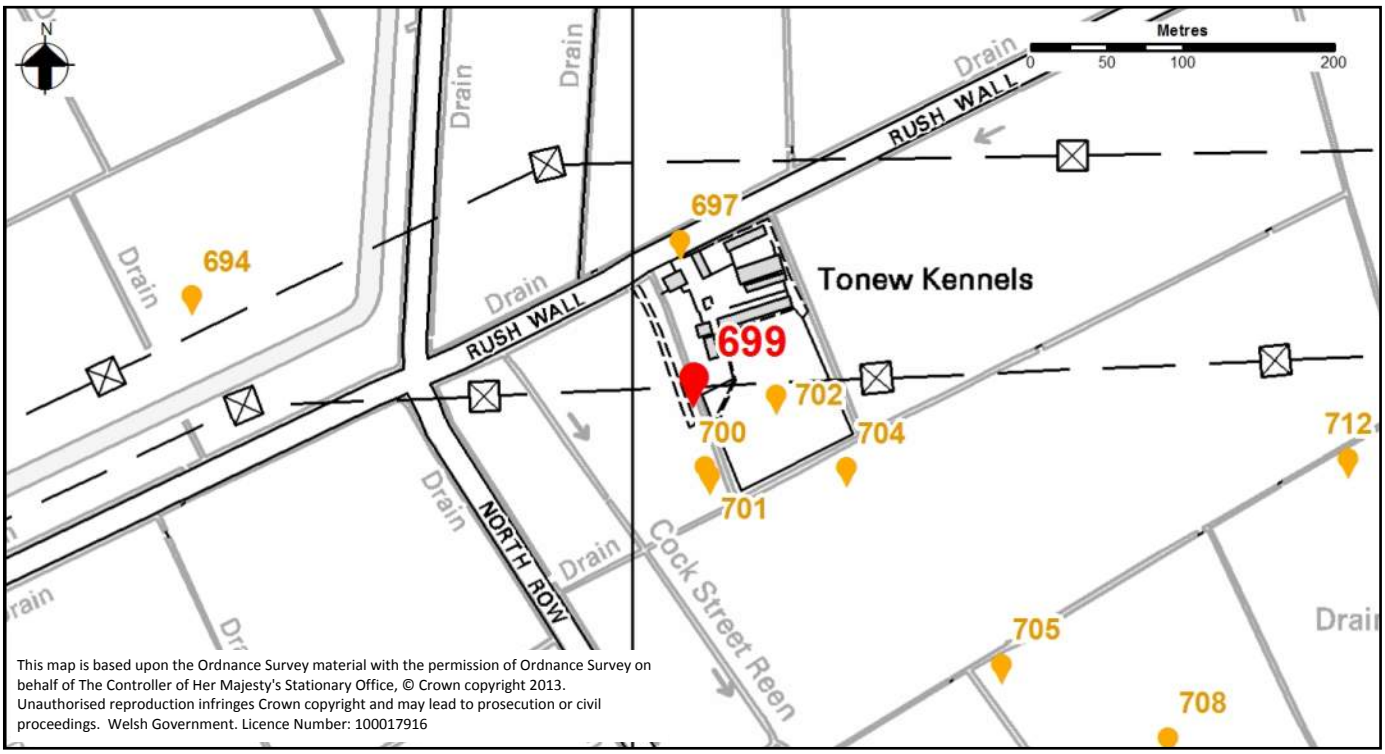

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	700	Date:	07-08-2014	GPS:	51.57, -2.87

Dominant Habitats:

Improved grassland

Potential for Protected Species:

Reptiles

Target Note:

Muck heap

Target Note Location Map:

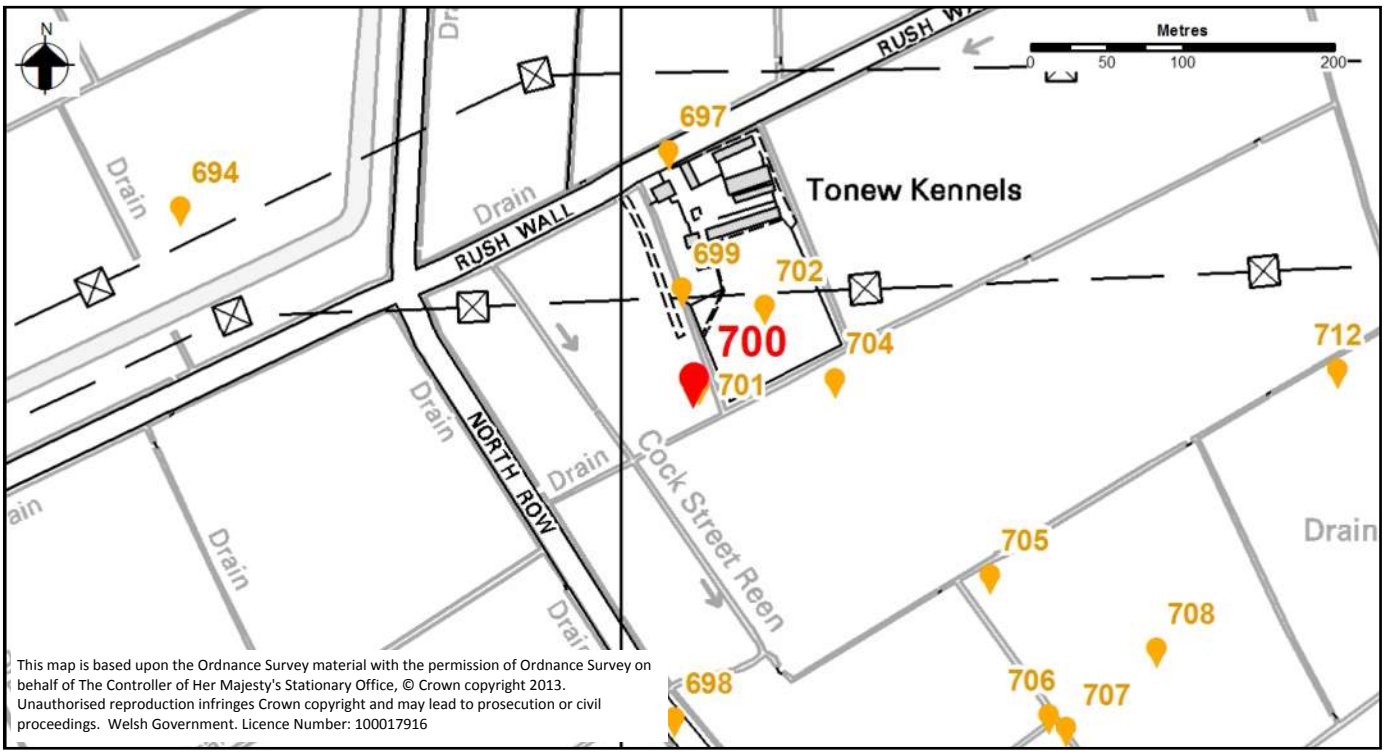

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	701	Date:	07-08-2014	GPS:	51.57, -2.87

Dominant Habitats:

Broadleaved treeline

Potential for Protected Species:

Birds

Target Note:

Owl box

Target Note Location Map:

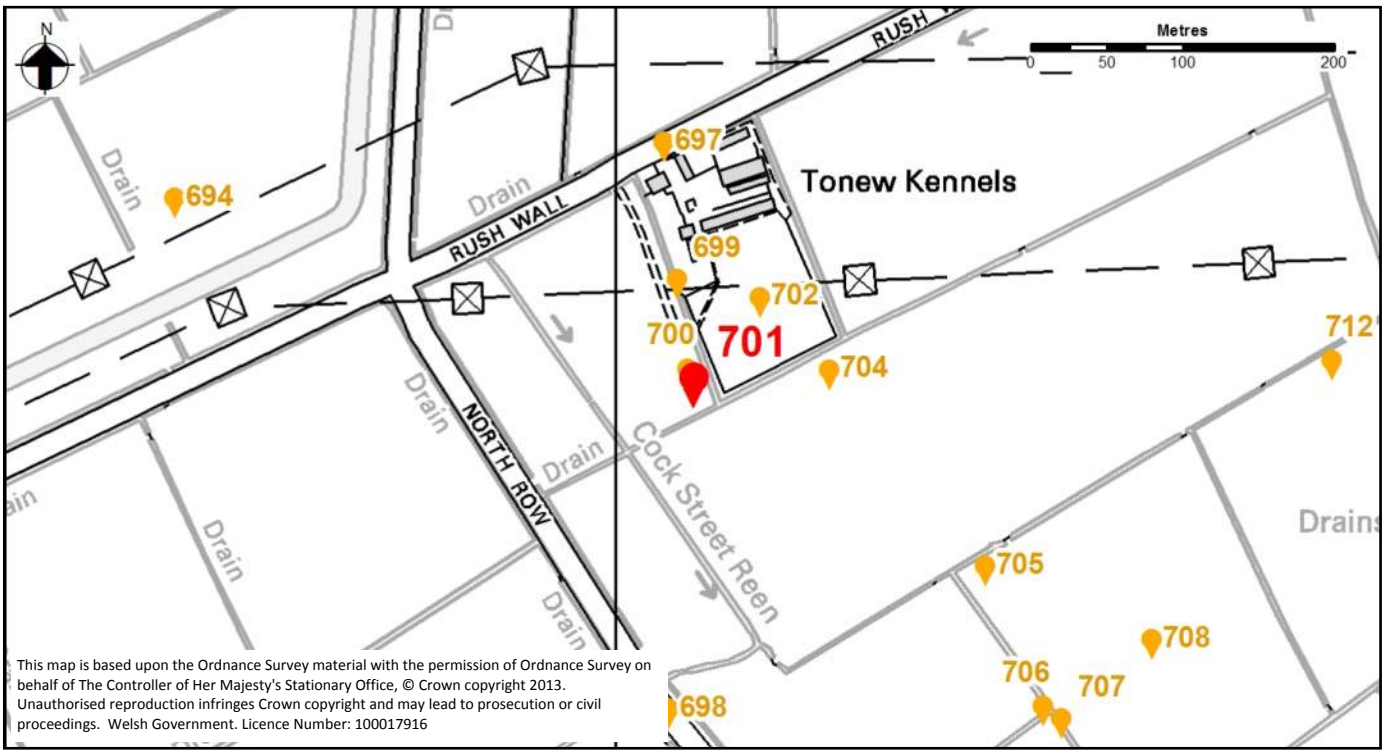

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	702	Date:		GPS:	51.57, -2.87

Dominant Habitats:

Target Note:

Dandelion, clover sp., buttercup sp., daisy, self heal.

Potential for Protected Species:

Target Note Location Map:

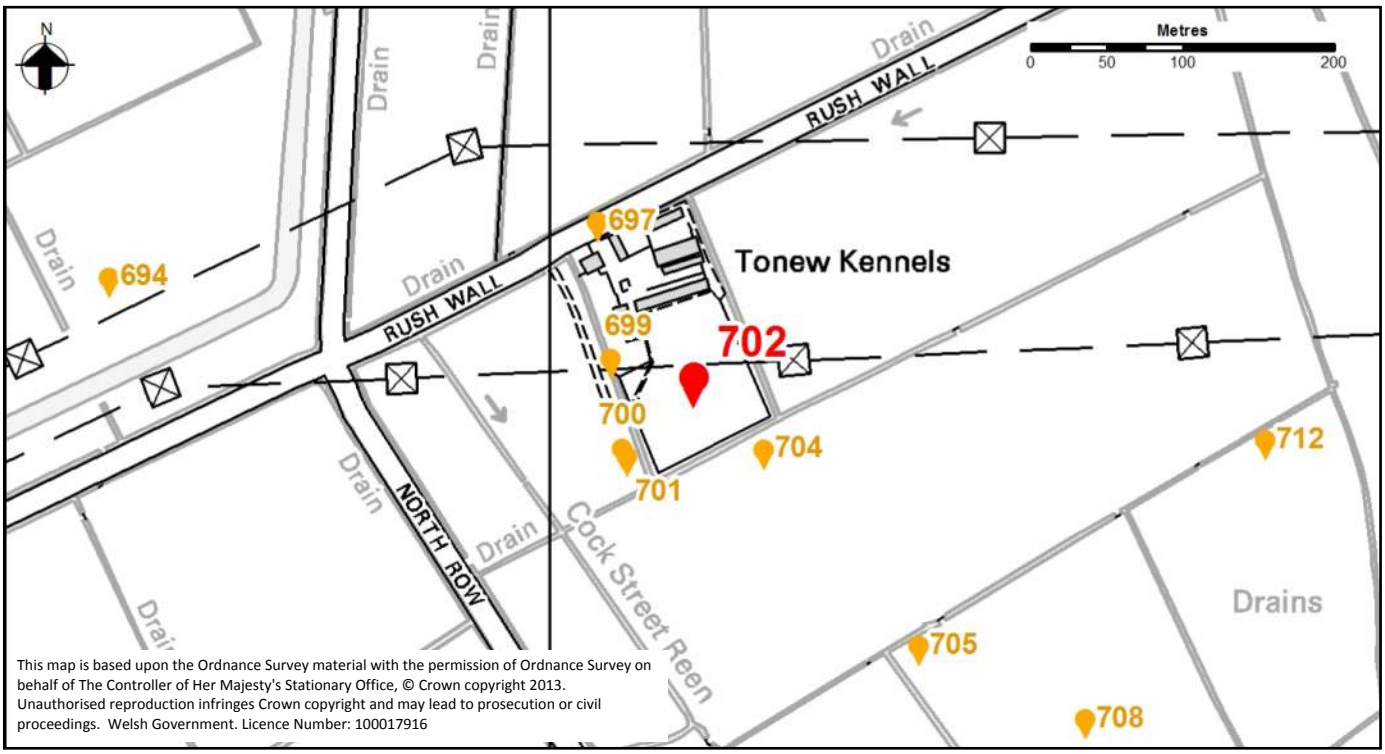

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	703	Date:	21-10-2014	GPS:	51.57, -2.87

Dominant Habitats:

Ditch

Target Note:

Mammal track over 10m gap between ditch and possible mammal burrow 1m across and 40 cm deep

Potential for Protected Species:

Otter potential

Target Note Location Map:

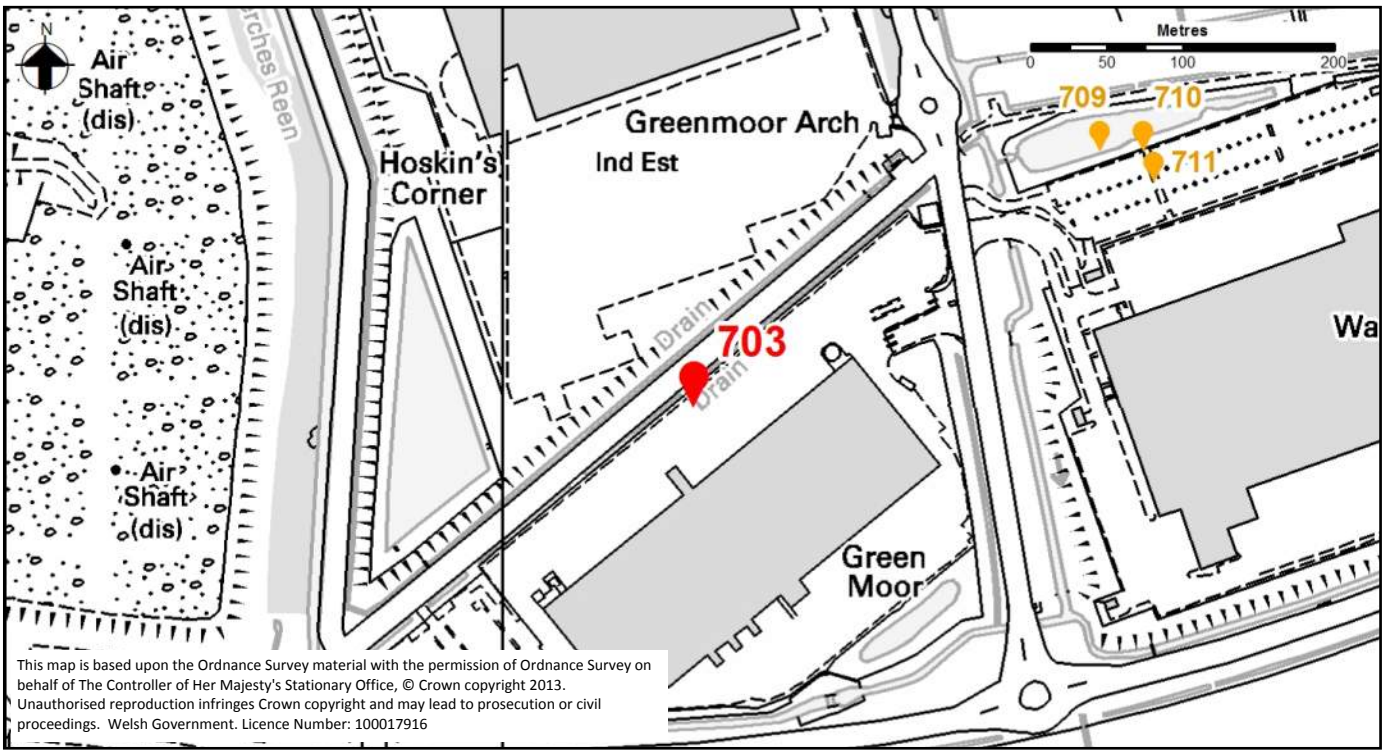

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	704	Date:	12-08-2014	GPS:	51.57, -2.86

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Bat

Target Note:

2 crack willows with cracks, broken branches, holes and ivy cover

Target Note Location Map:

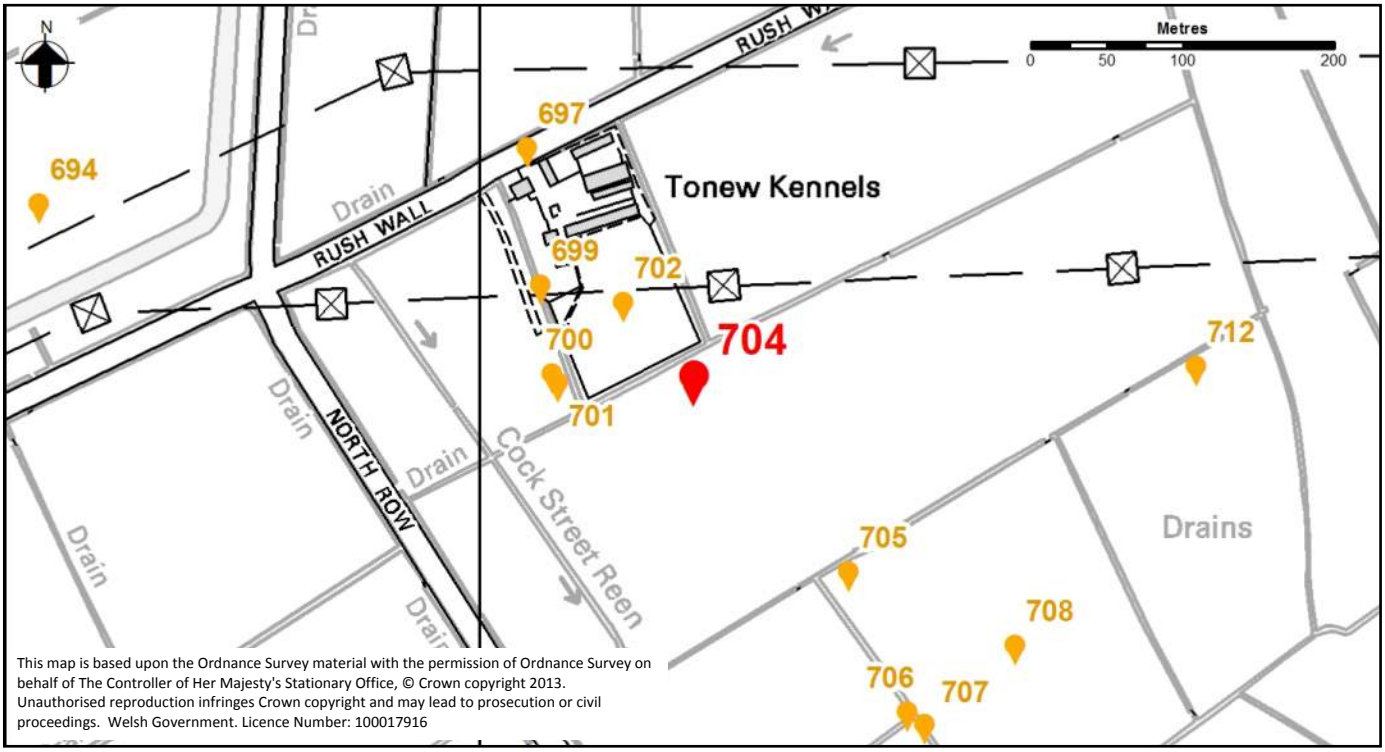

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	705	Date:	12-08-2014	GPS:	51.56, -2.86

Dominant Habitats:

Crack willow

Potential for Protected Species:

Bat

Target Note:

Mature trees with ivy, cracks, crevices, holes.

Target Note Location Map:

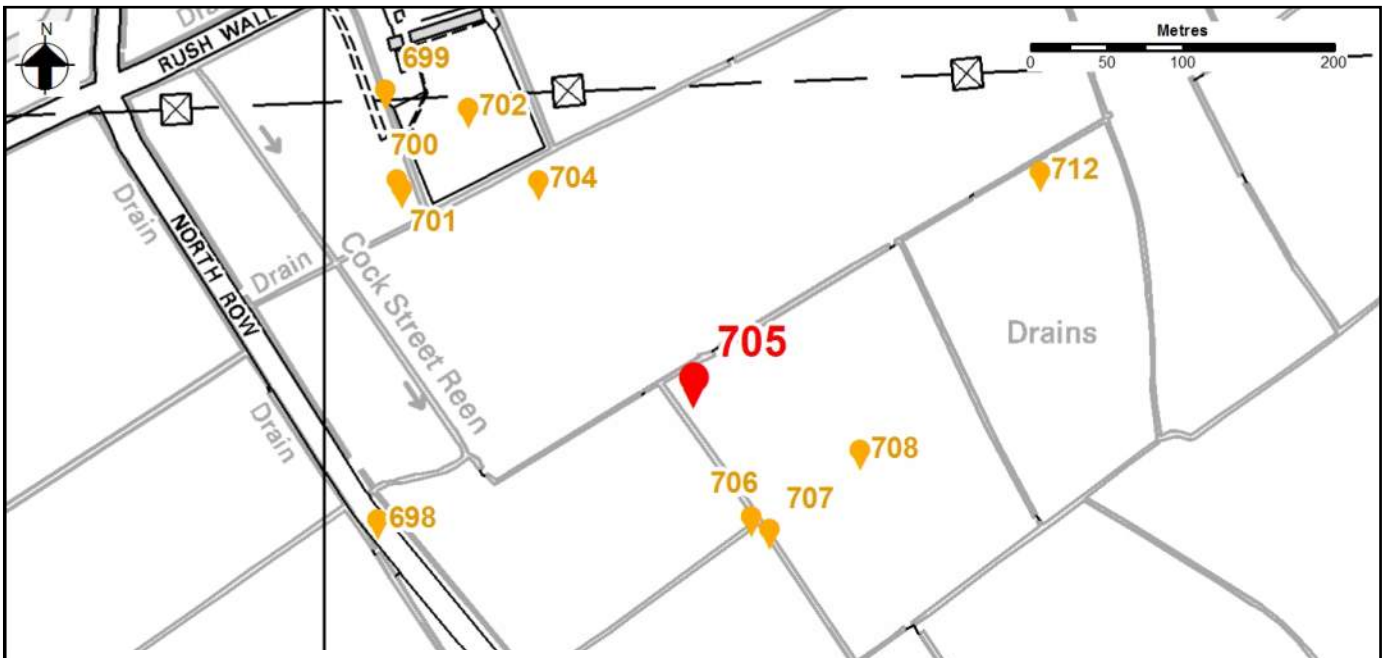

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	706	Date:	12-08-2014 11:48	GPS:	51.56, -2.86

Dominant Habitats:

Reen, livestock grazing

Potential for Protected Species:

Target Note:

Mammal slides visible running into ditch of a medium-sized animal.

Target Note Location Map:

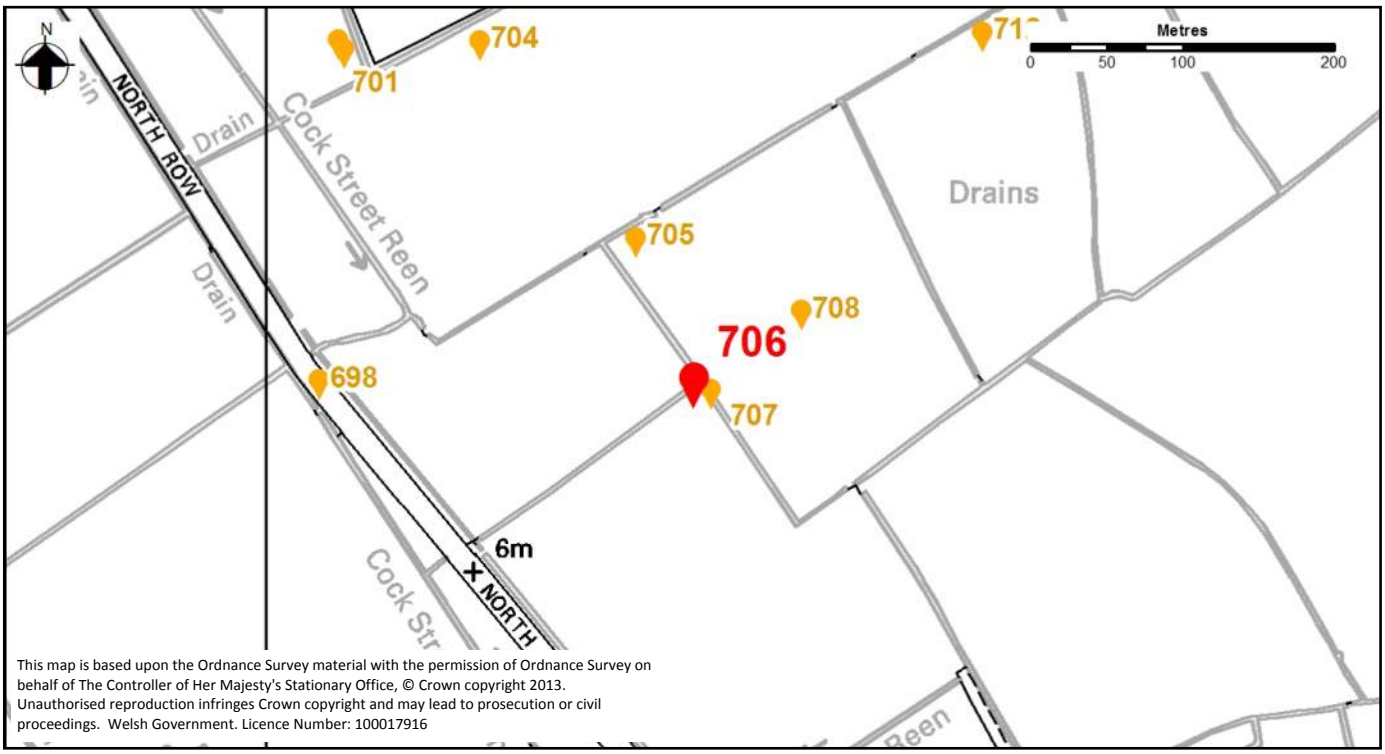

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	707	Date:	12-08-2014	GPS:	51.56, -2.86

Dominant Habitats:

Ditch, hedgerow.

Potential for Protected Species:

Bats

Target Note:

2 veteran crack willow, branches have been cut, with stumps, holes and cracks in trunk.

Target Note Location Map:

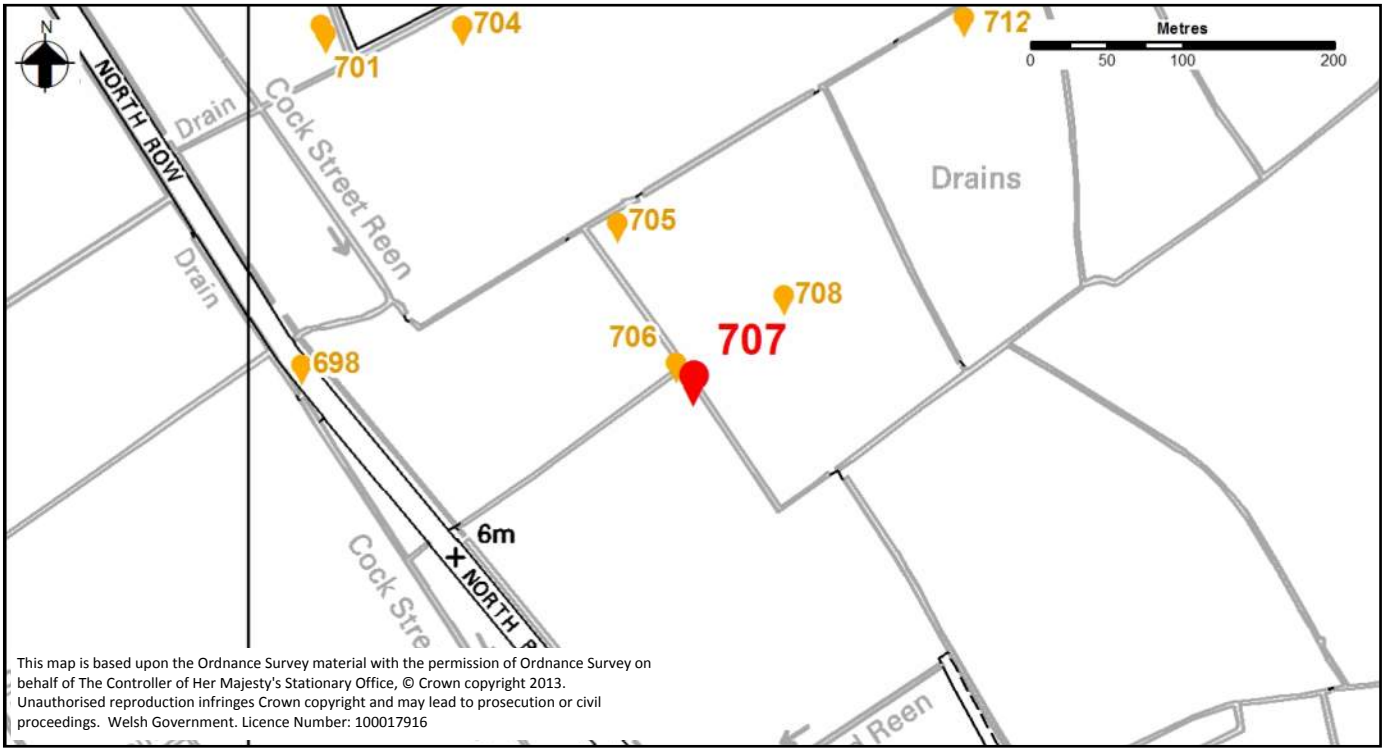

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	708	Date:		GPS:	51.56, -2.86

Dominant Habitats:

Target Note:

Cock's foot, perennial ryegrass, white clover, dandelion, dock, burdock, meadow foxtail.
Fauna: carder bee

Potential for Protected Species:

Target Note Location Map:

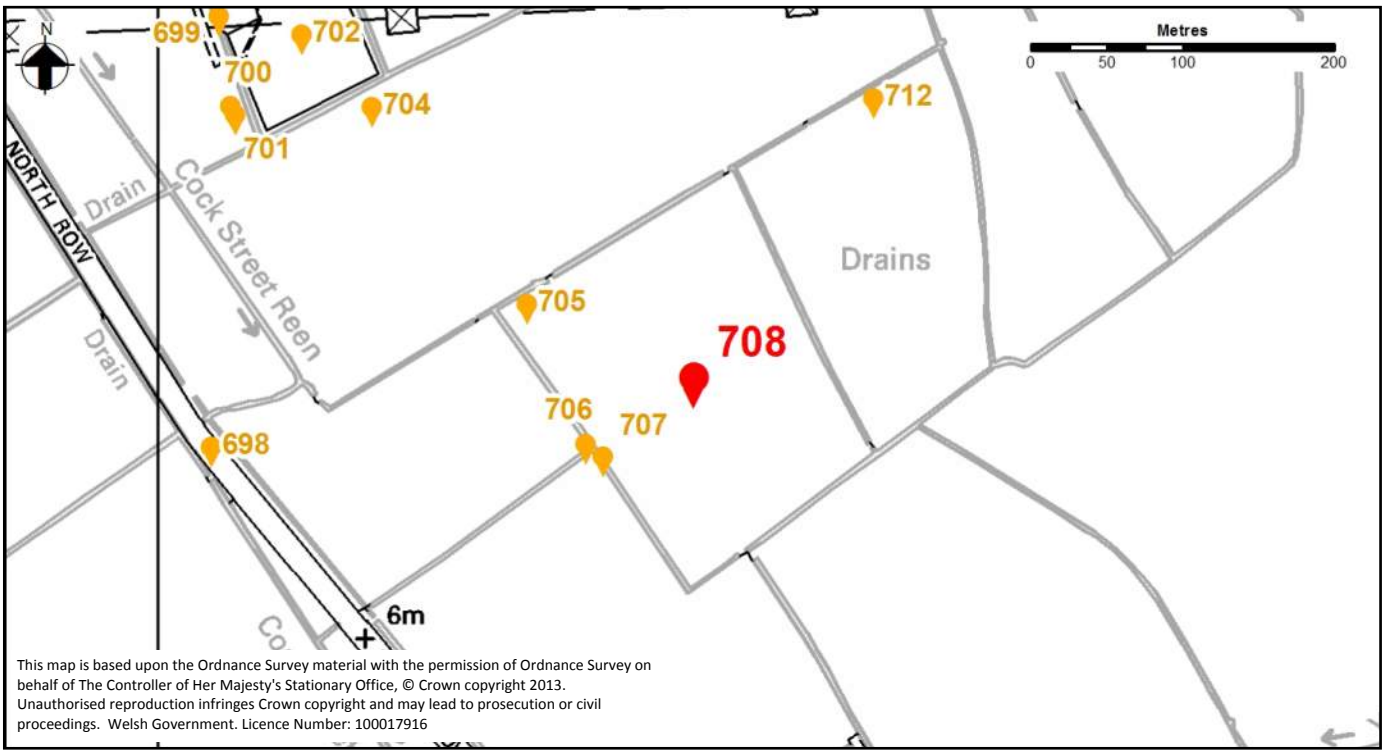

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	709	Date:		GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

Ivy, willow, dogwood,

Potential for Protected Species:

Target Note Location Map:

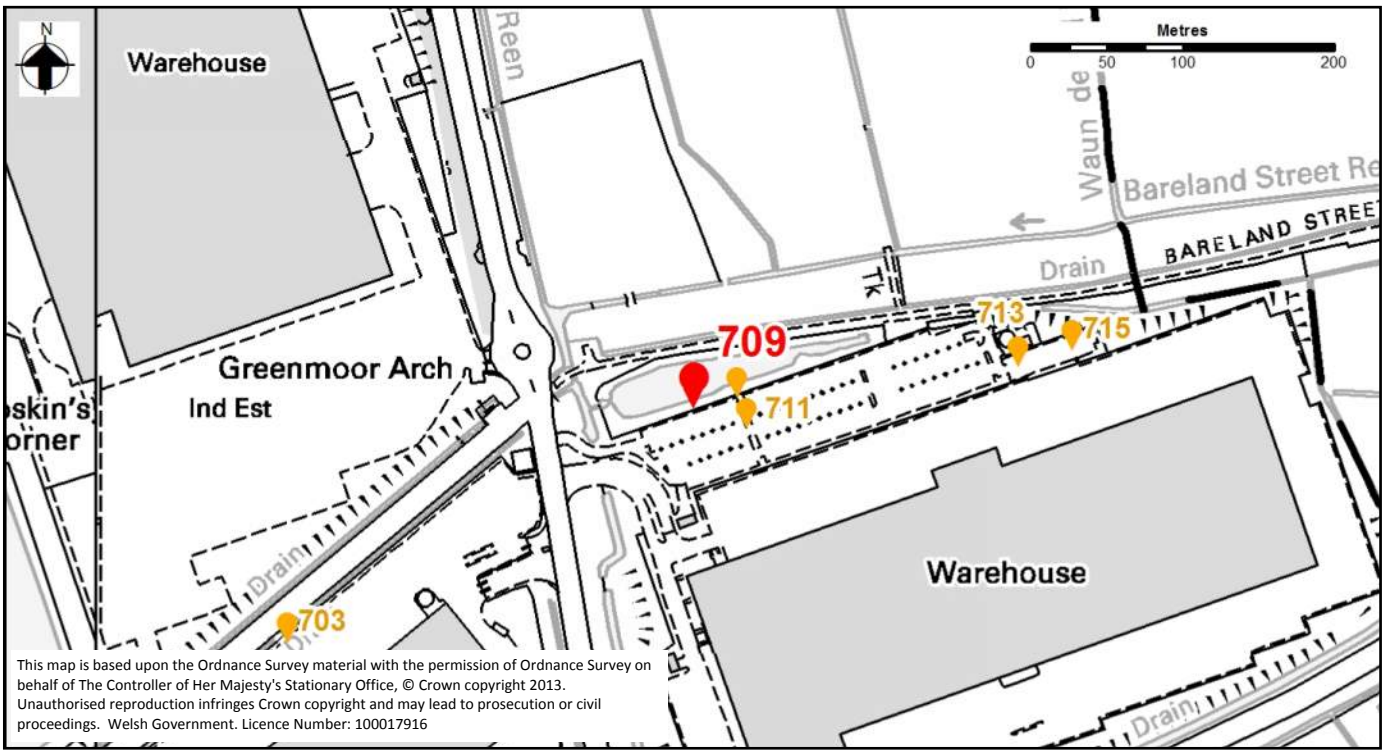

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	710	Date:		GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

Ivy, willow, dogwood

Potential for Protected Species:

Target Note Location Map:

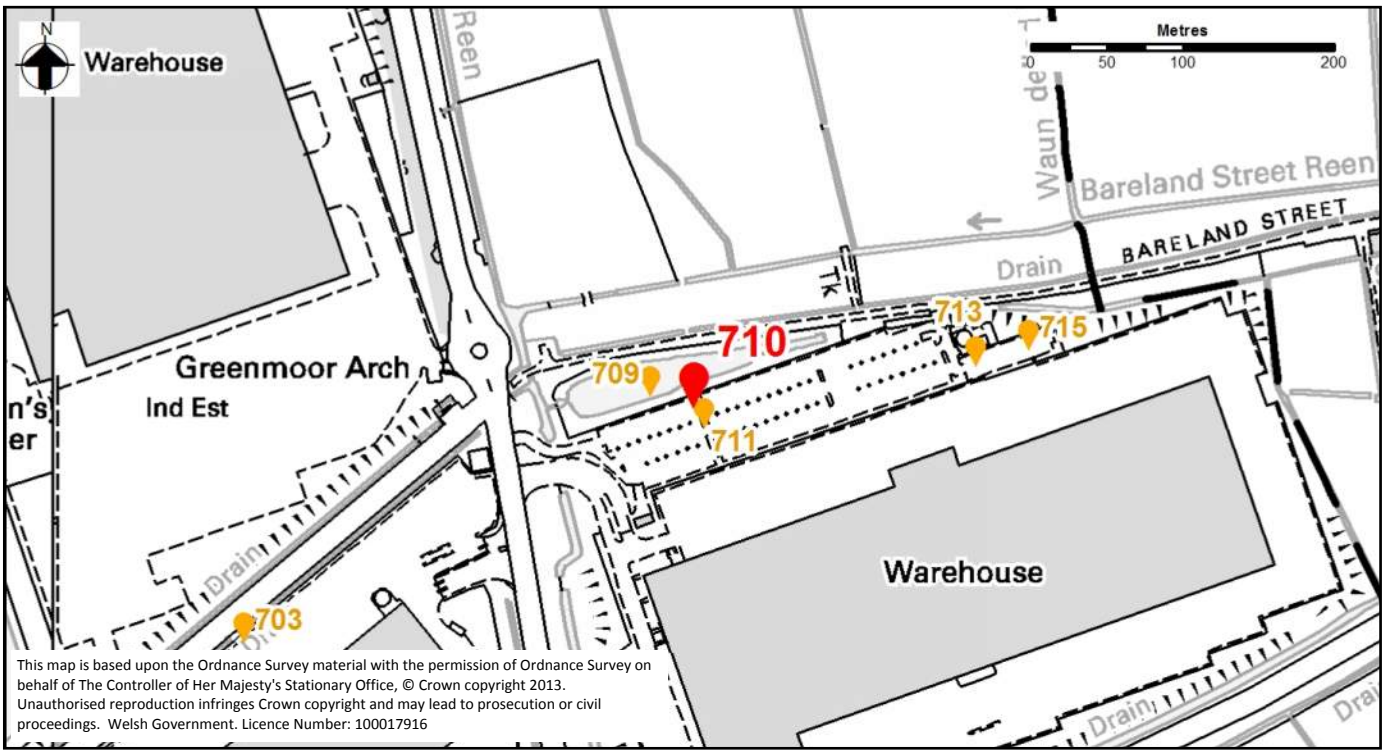

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	711	Date:	06-08-2014	GPS:	51.57, -2.86

Dominant Habitats:

Gravel

Target Note:

Brash pile

Potential for Protected Species:

Reptile and amphibians

Target Note Location Map:

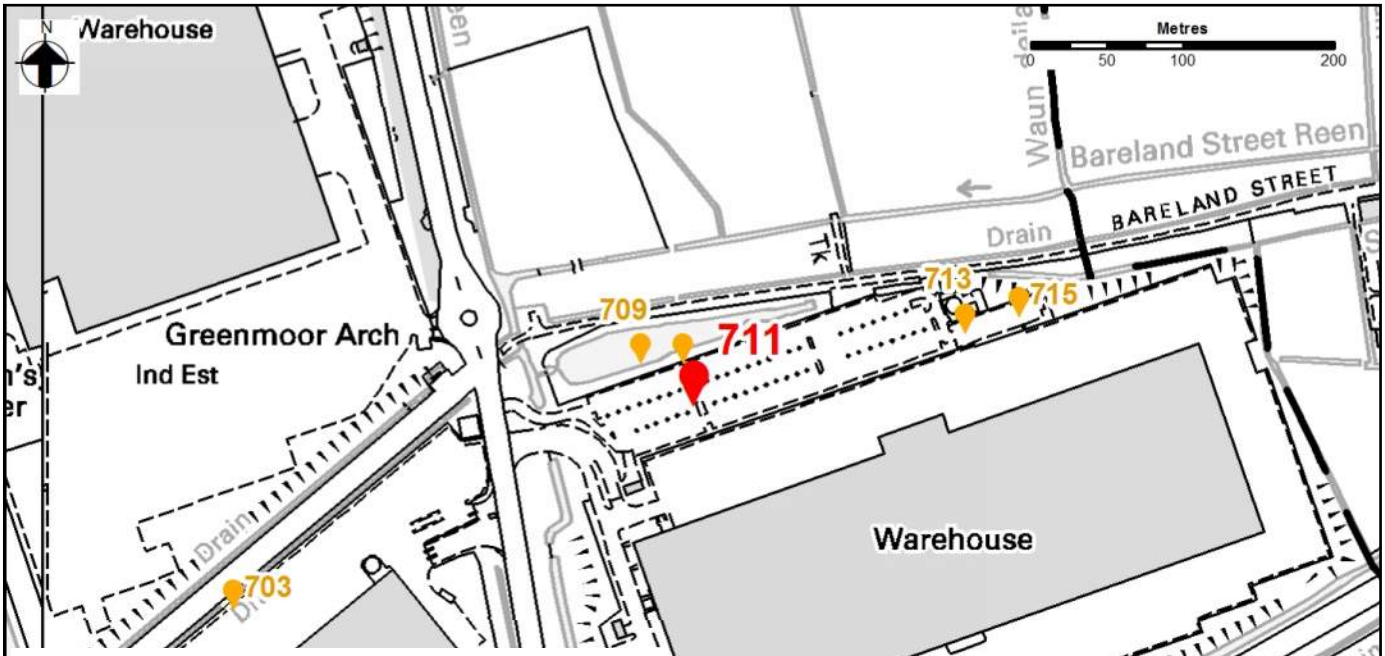

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	712	Date:	12-08-2014	GPS:	51.57, -2.86

Dominant Habitats:

Crack willow in hedge adjacent to ditch

Target Note:

Mature willow with cracks, crevices, holes and ivy cover

Potential for Protected Species:

Bat

Target Note Location Map:

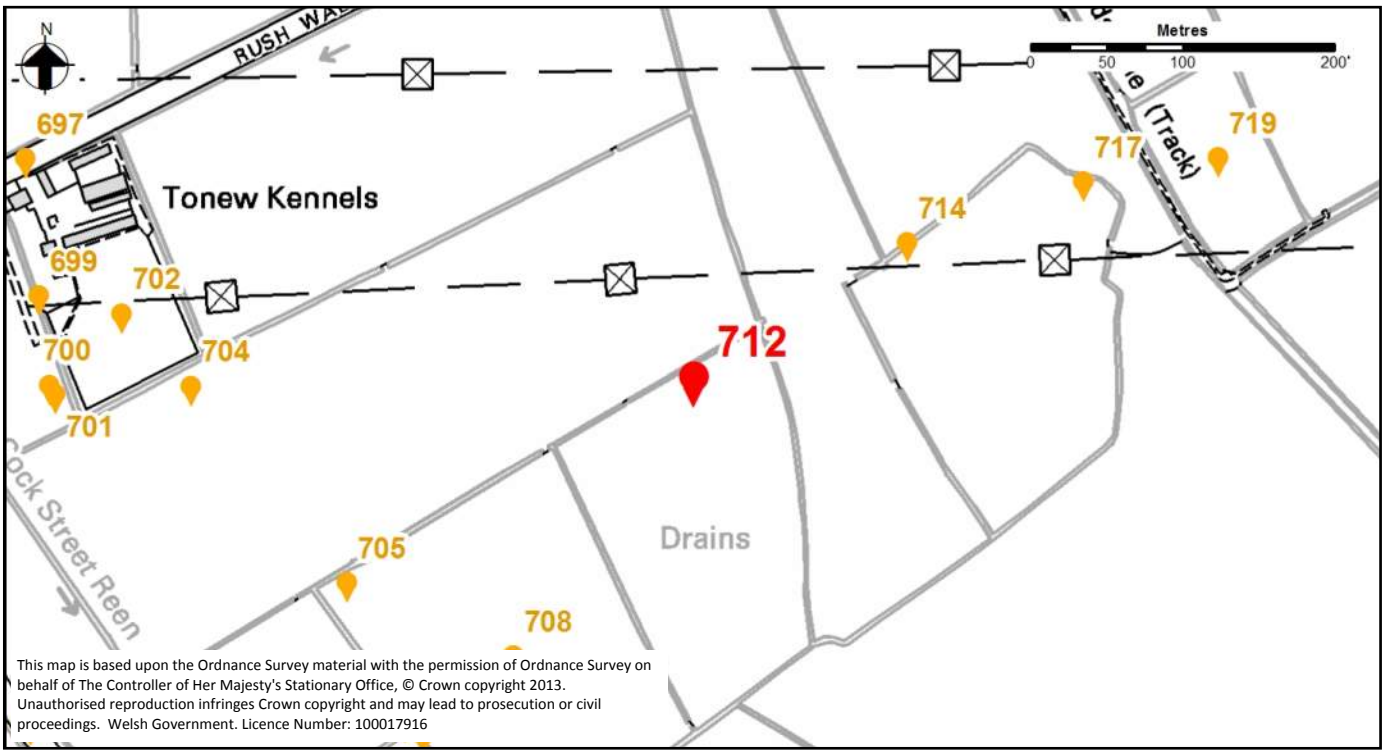

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	713	Date:		GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

Alder plantation, rowan, dogwood, poplar, ash, ivy, great willowherb, thistle, sow thistle

Potential for Protected Species:

Target Note Location Map:

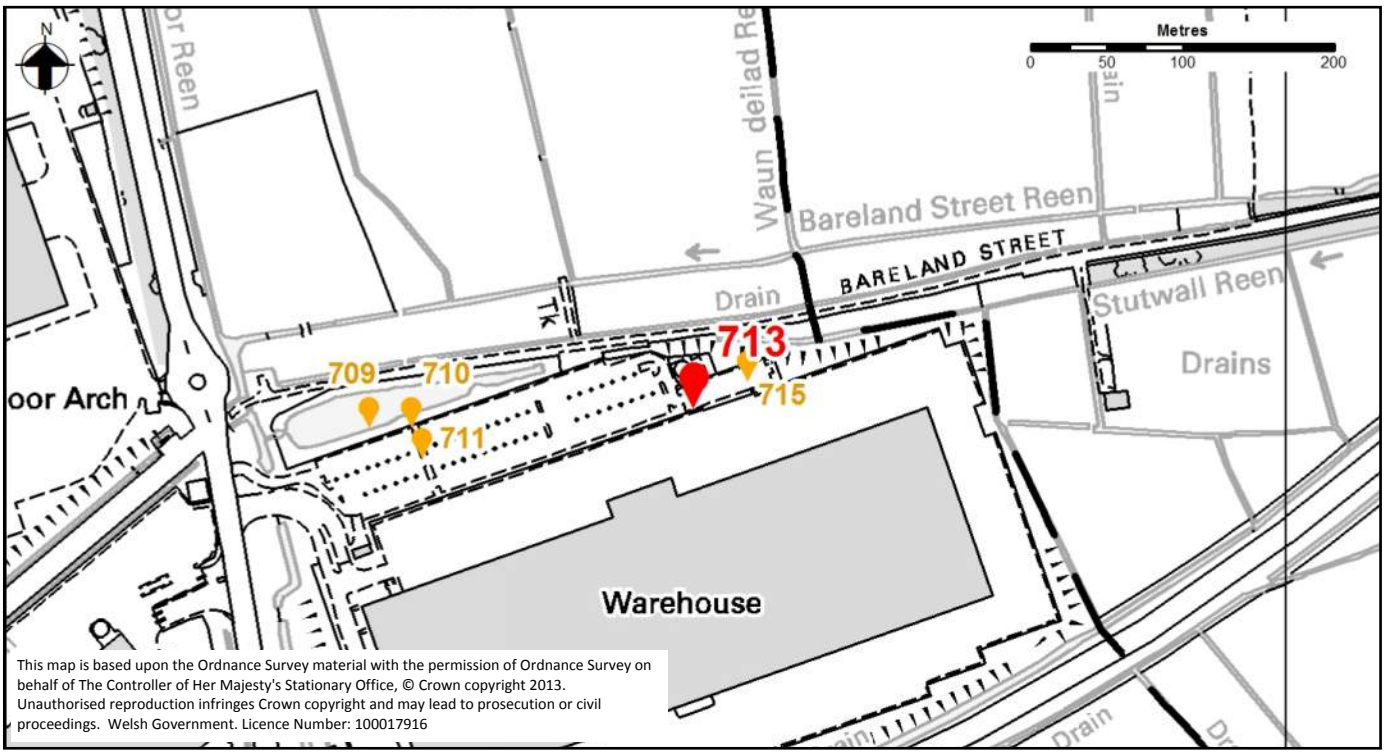

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	714	Date:	13-08-2014	GPS:	51.57, -2.86

Dominant Habitats:

Ditch with veteran ash tree

Potential for Protected Species:

Laying up site for mammals and bat potential.

Target Note:

Veteran ash tree with hole in trunk, fallen branches with cracks and crevices.

Target Note Location Map:

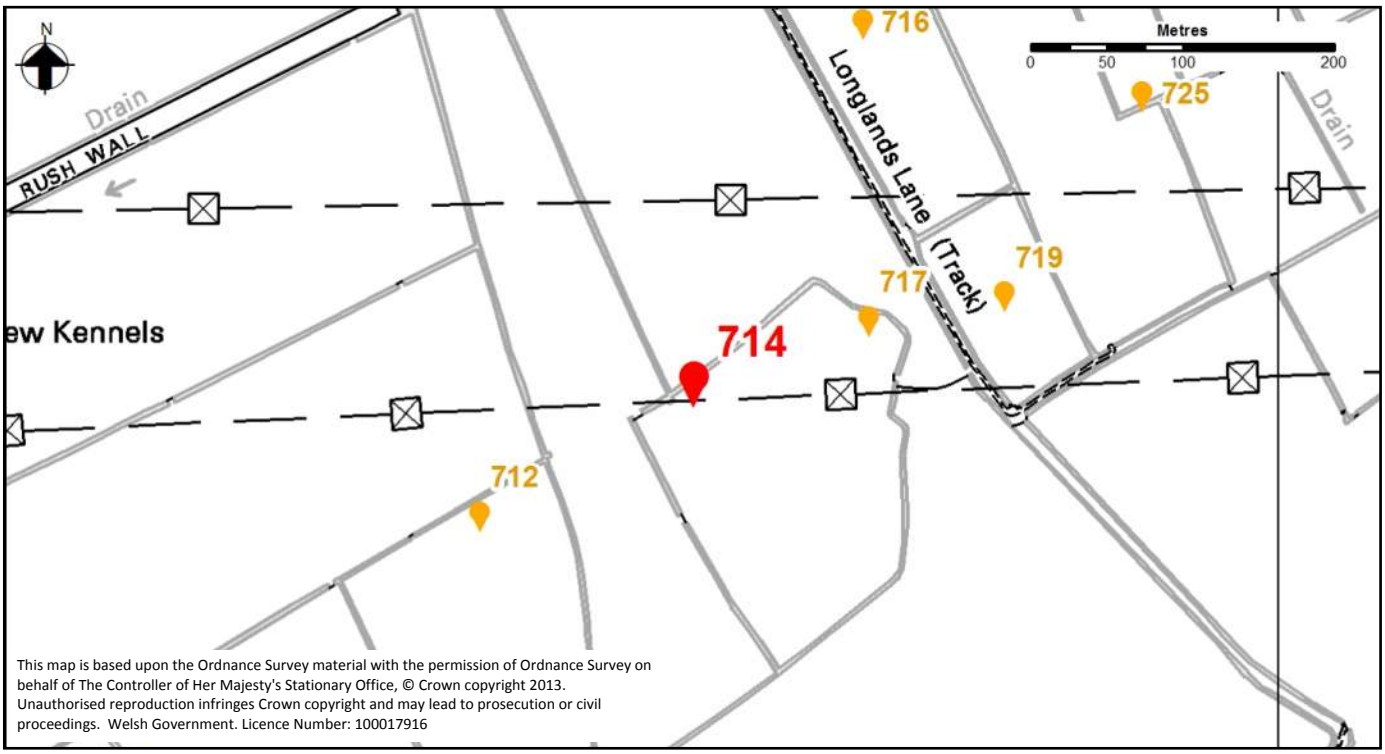

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	715	Date:		GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

Alder plantation, rowan, dogwood, poplar, ash, ivy, great willowherb, thistle, sow thistle

Potential for Protected Species:

Target Note Location Map:

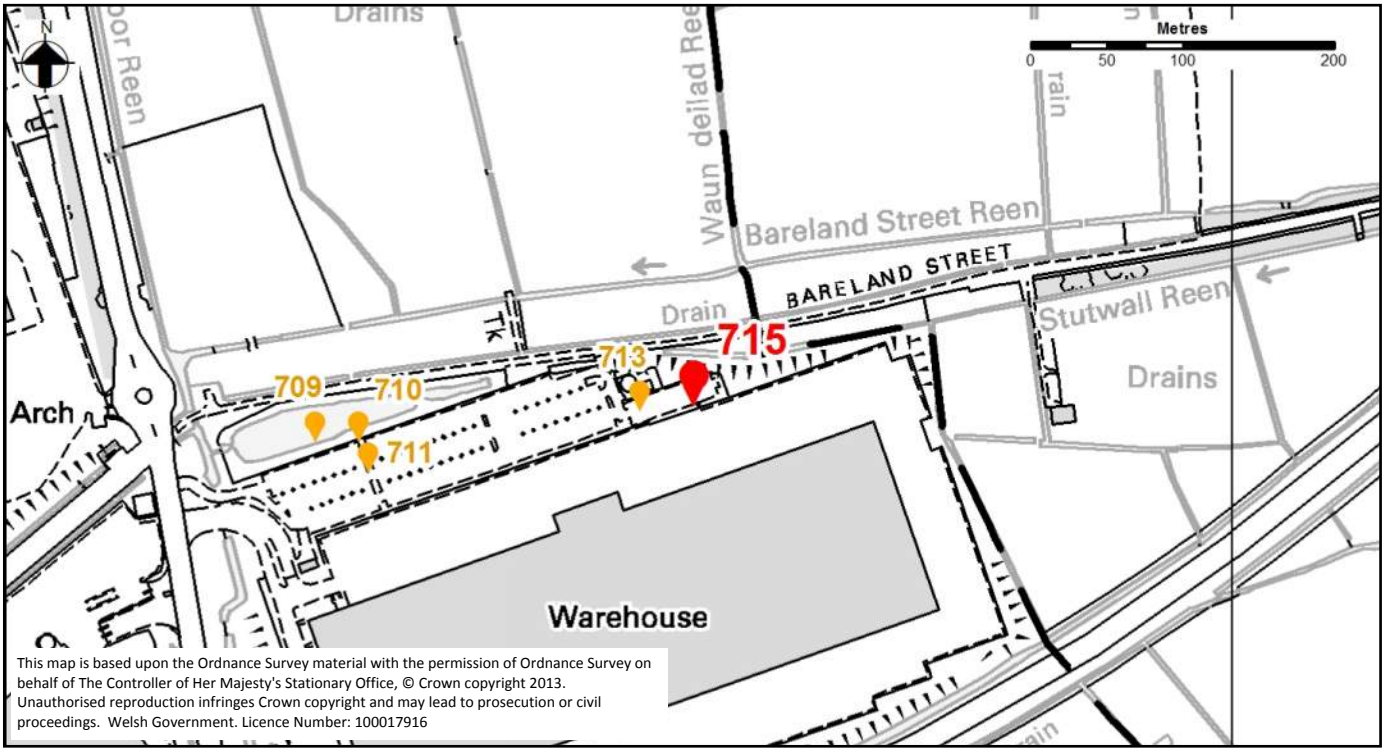

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	716	Date:		GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

Nettle, creeping thistle, narrow leaved dock, cock's foot, broad leaved dock, meadow foxtail, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

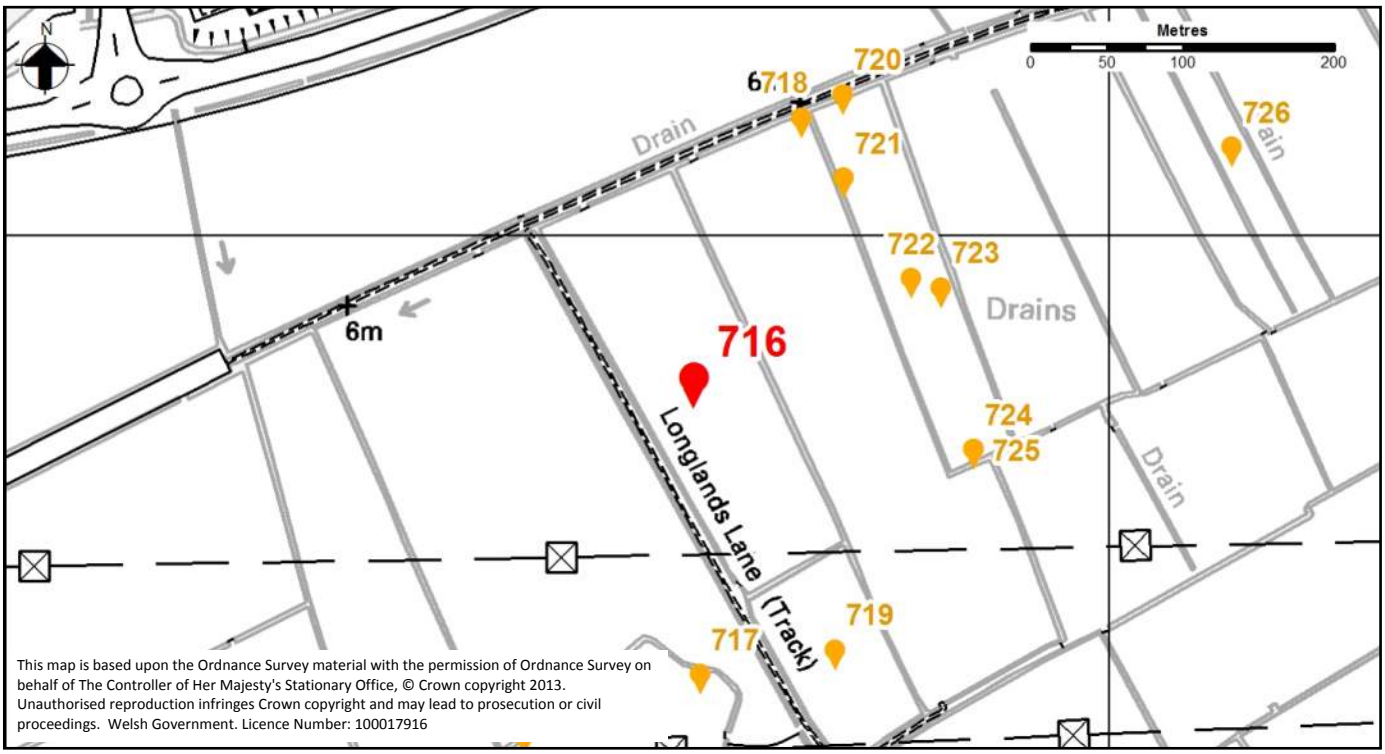

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	717	Date:	13-08-2014	GPS:	51.57, -2.86

Dominant Habitats:

Two mature ash trees

Target Note:

Mature ash trees covered in ivy. Bat potential.

Potential for Protected Species:

Bat

Target Note Location Map:

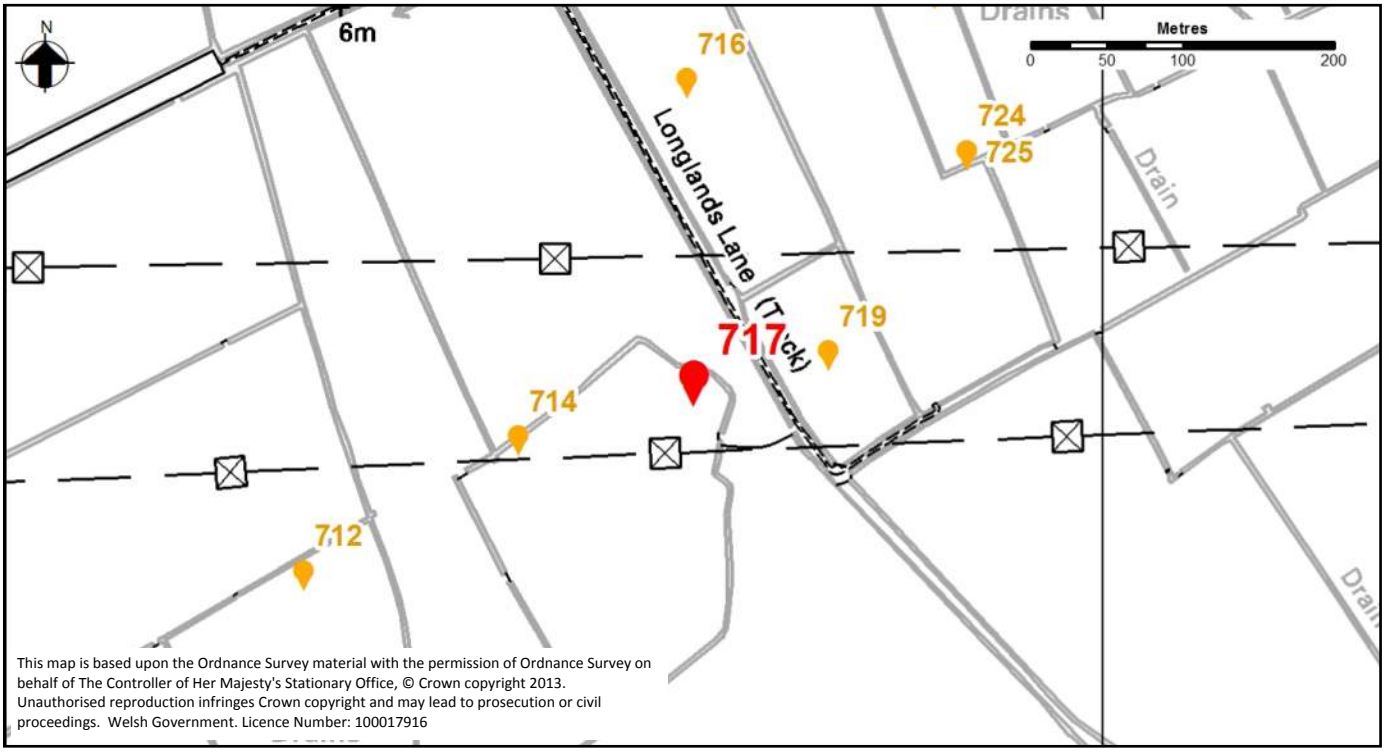

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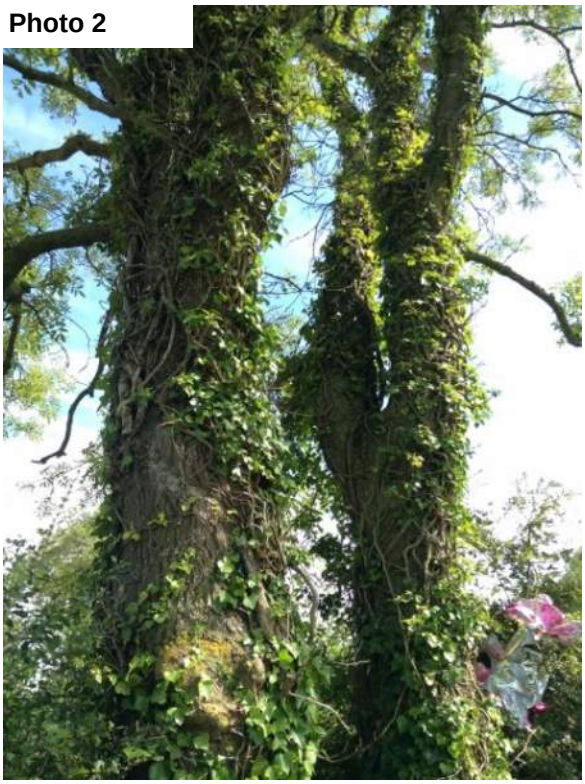
Photo 1

Photo 2



Extended Phase 1 Target Notes

Target Note Number:	718	Date:	12-08-2014 14:31	GPS:	51.57, -2.86

Dominant Habitats:

Reen

Target Note:

Potential mink tar spots

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

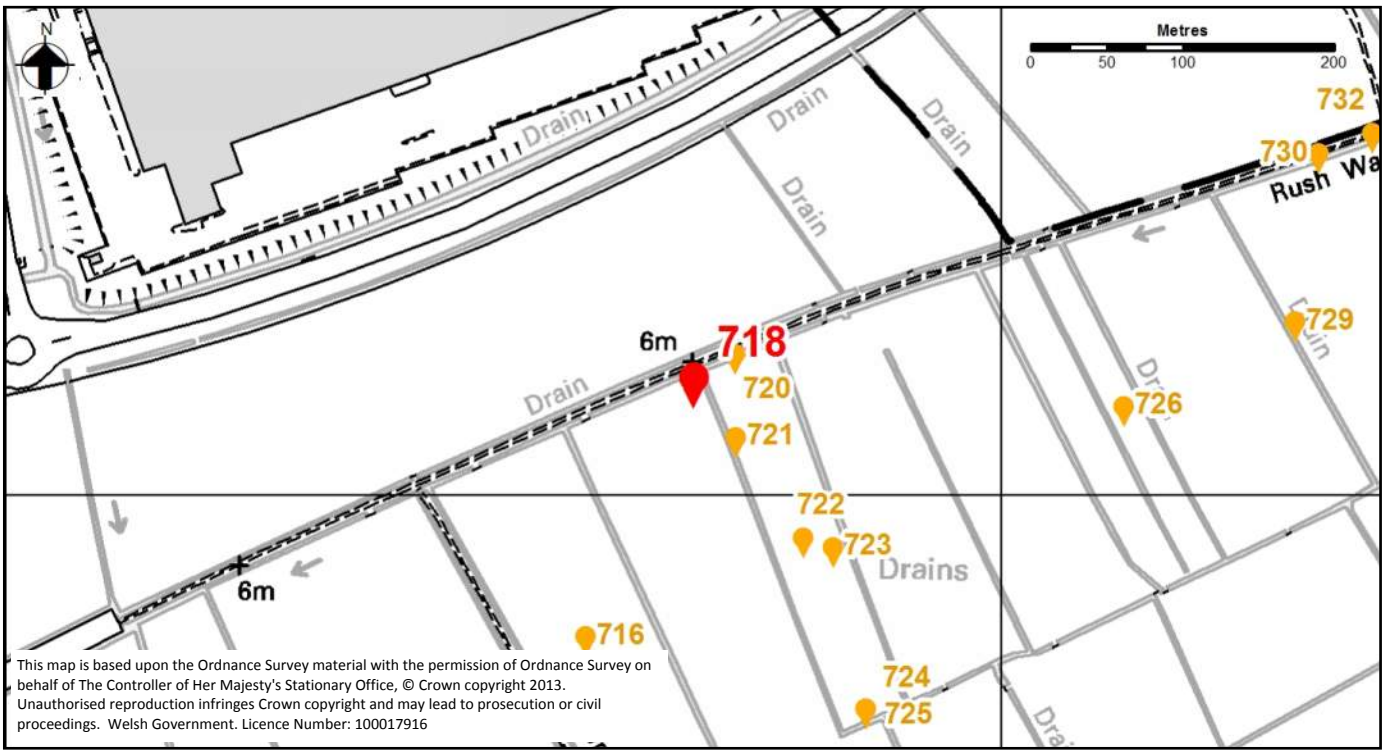


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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	719	Date:		GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

Nettle, creeping thistle, narrow leaved dock, cock's foot, broad leaved dock, meadow foxtail, creeping buttercup

Potential for Protected Species:

Target Note Location Map:

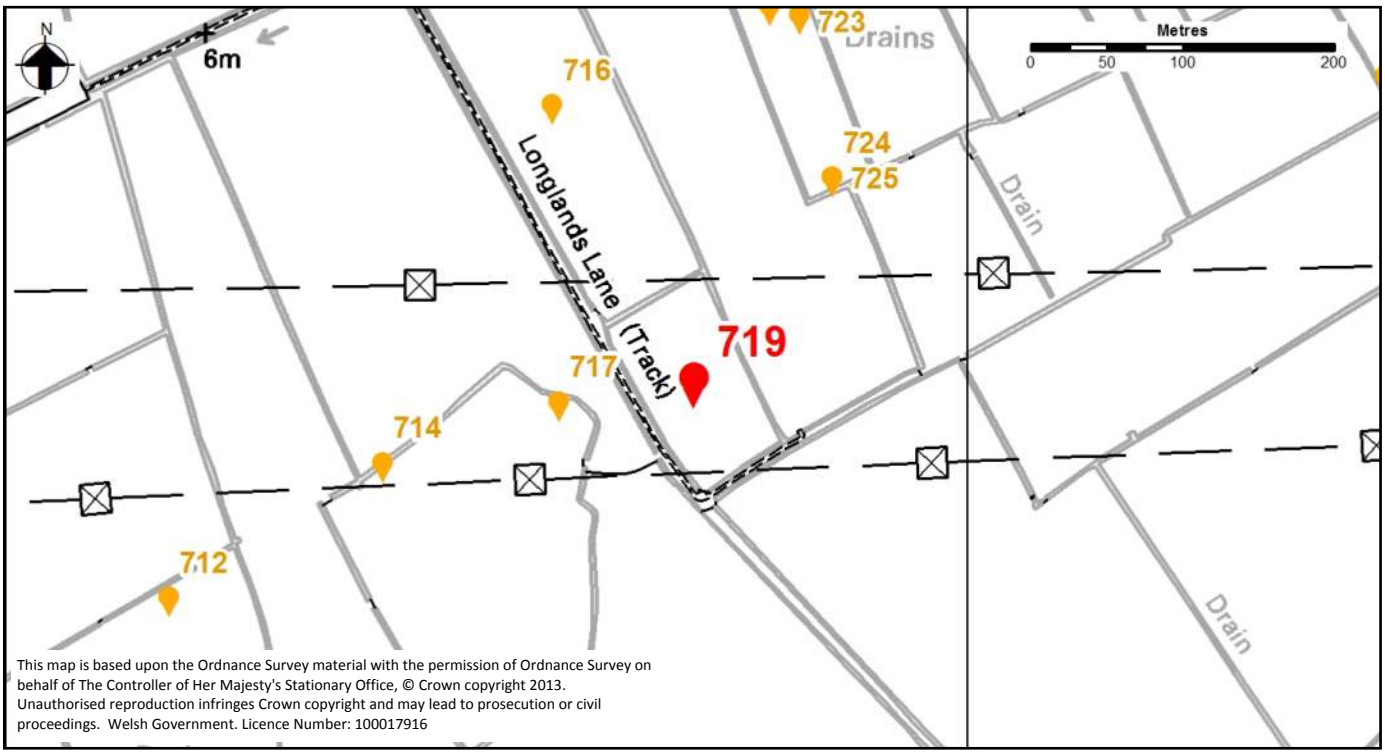

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	720	Date:	12-08-2014	GPS:	51.57, -2.86

Dominant Habitats:

Target Note:

2 barn owls flushed out of old poplar tree with ivy cover.

Potential for Protected Species:

Barn owl

Target Note Location Map:

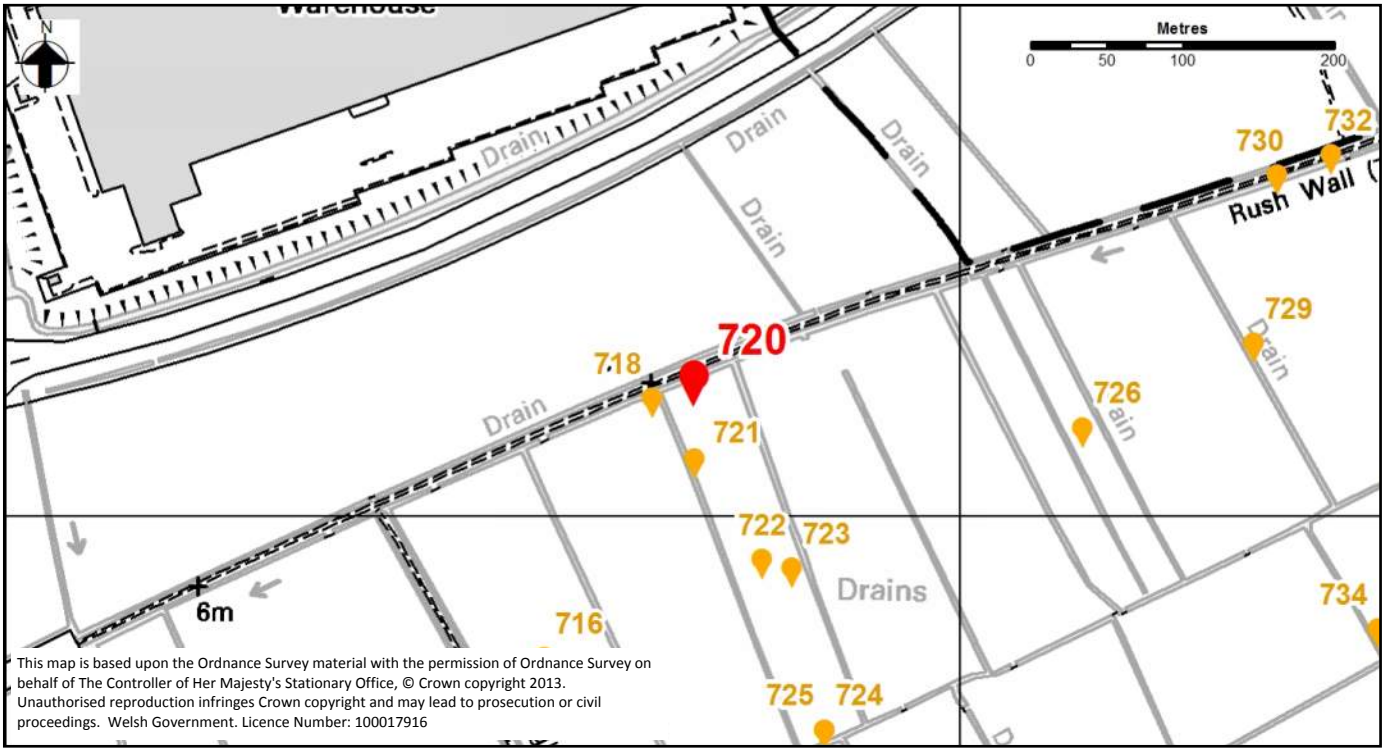

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	721	Date:	15-08-2014 13:10	GPS:	51.57, -2.86

Dominant Habitats:

Hedgerow

Target Note:

Barn owl flew out to roost within southern hedge.
Mammal pathways going into reen

Potential for Protected Species:

Otter
Barn owl WCA Schedule 1

Target Note Location Map:

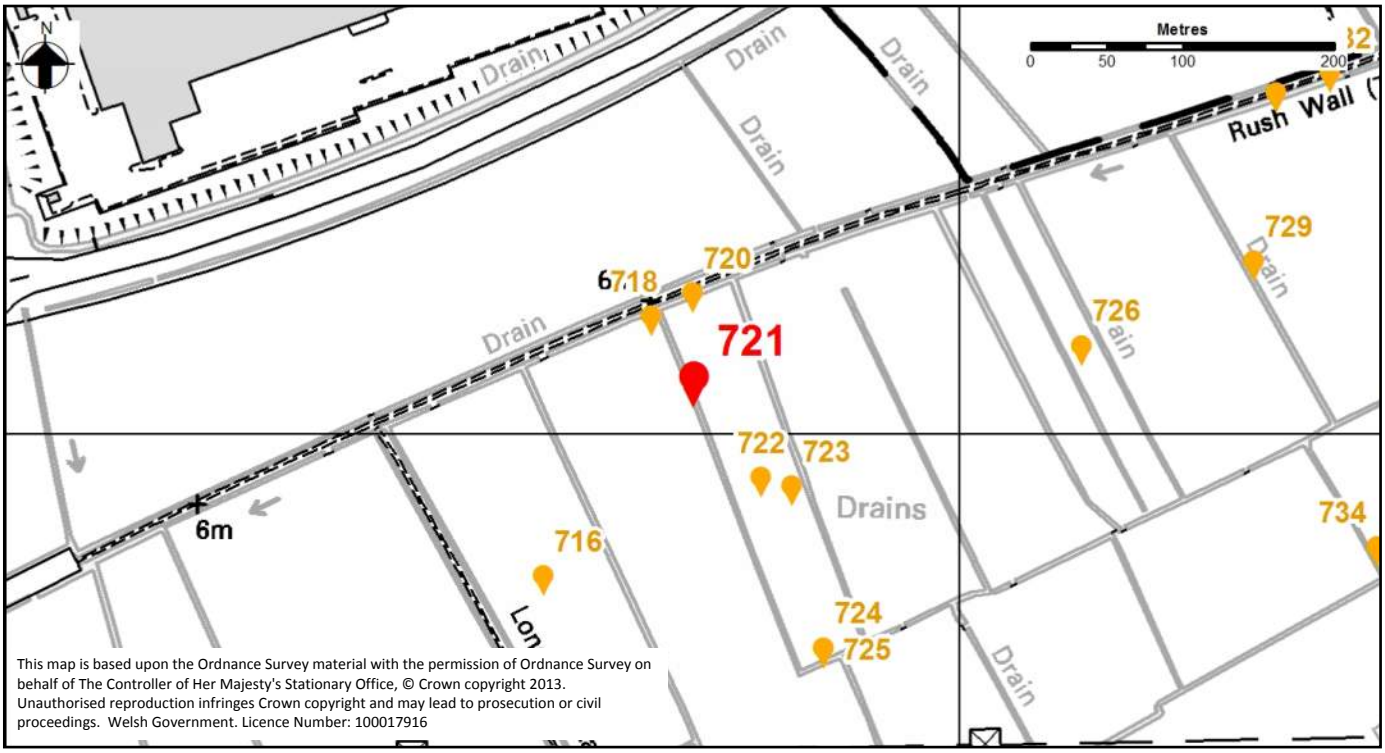

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	722	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Dandelion sp., ribwort, perennial ryegrass, white clover, creeping thistle, redshank, red clover

Potential for Protected Species:

Target Note Location Map:

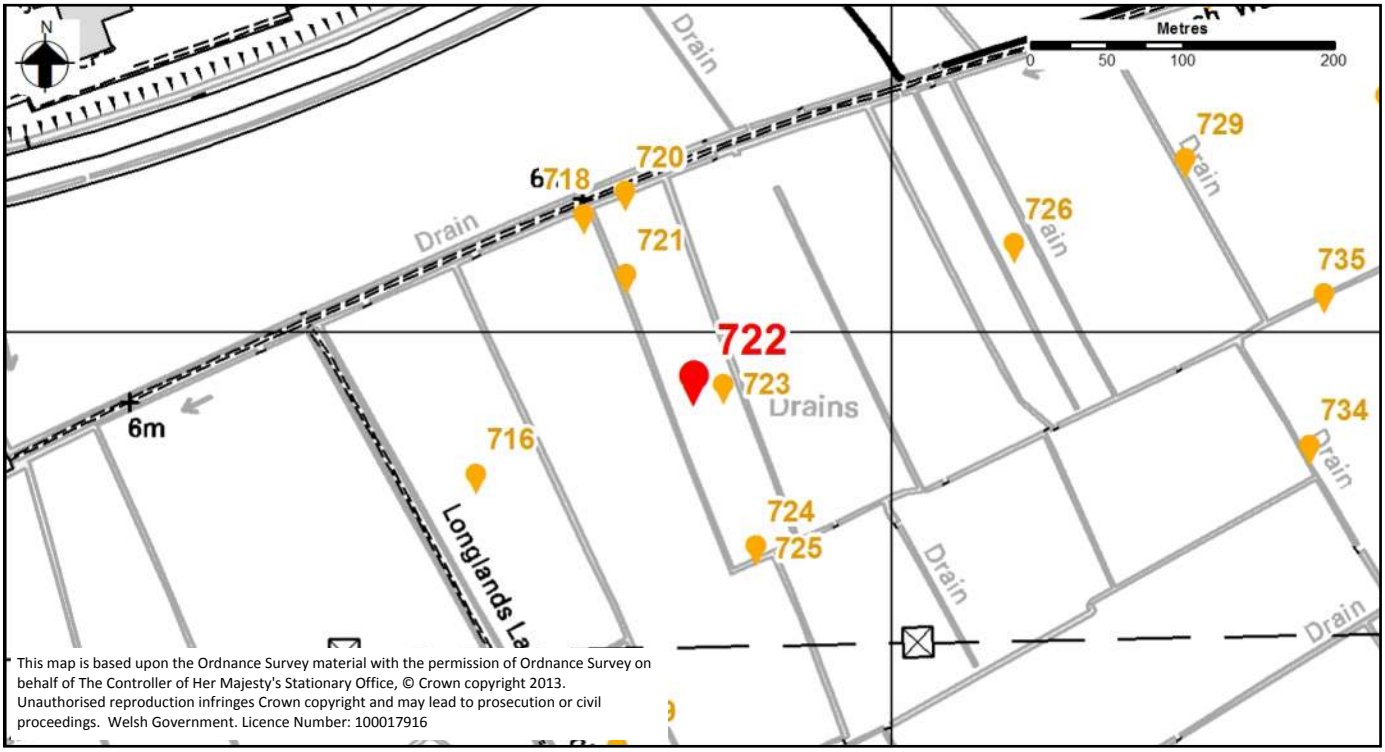

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	723	Date:	15-08-2014 13:31	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow/reen

Target Note:

Barn owl flushed out of willow, flew south.
Mammal pathway into reen.

Potential for Protected Species:

Barn owl WCA Schedule 1

Target Note Location Map:

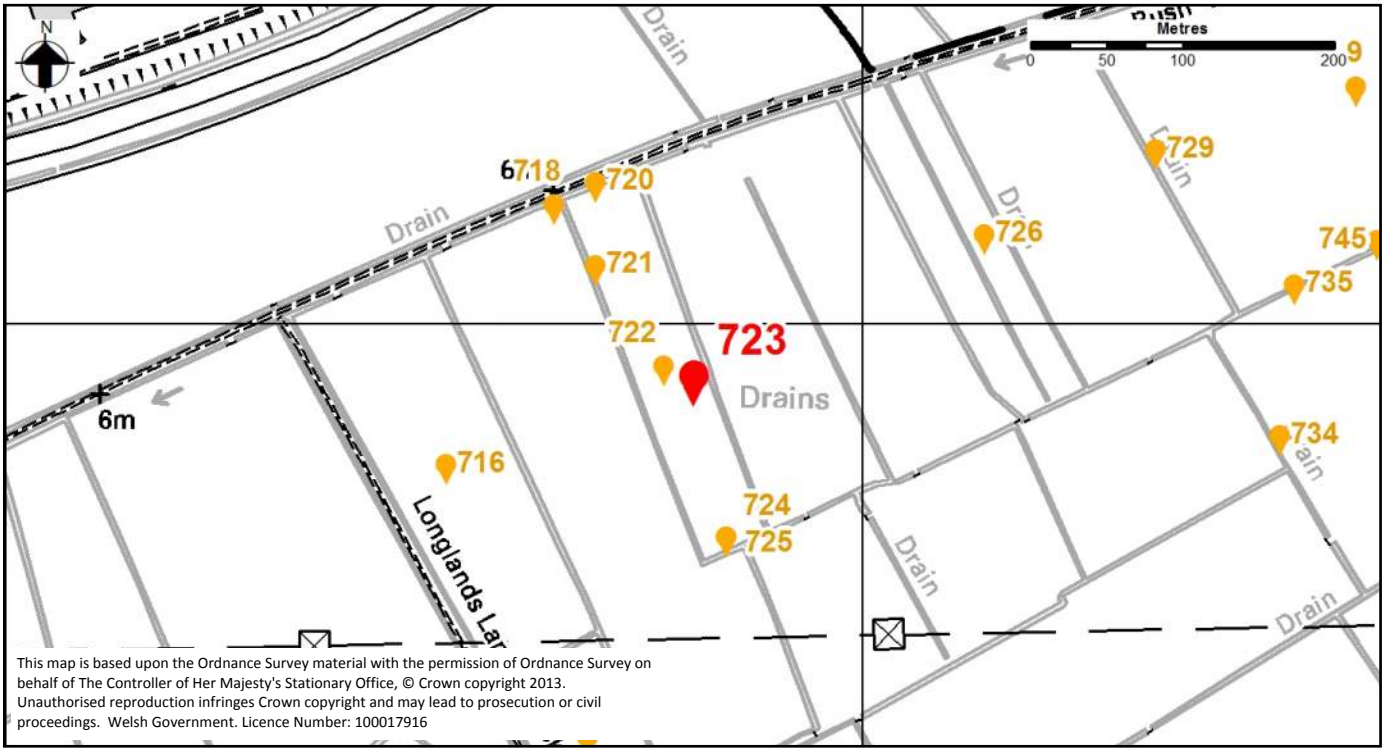

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	724	Date:	15-08-2014 13:21	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow/reen

Potential for Protected Species:

WCA Schedule 1
Otter

Target Note:

Barn owl flushed out of willow, flew south.
Mammal path into reen

Target Note Location Map:

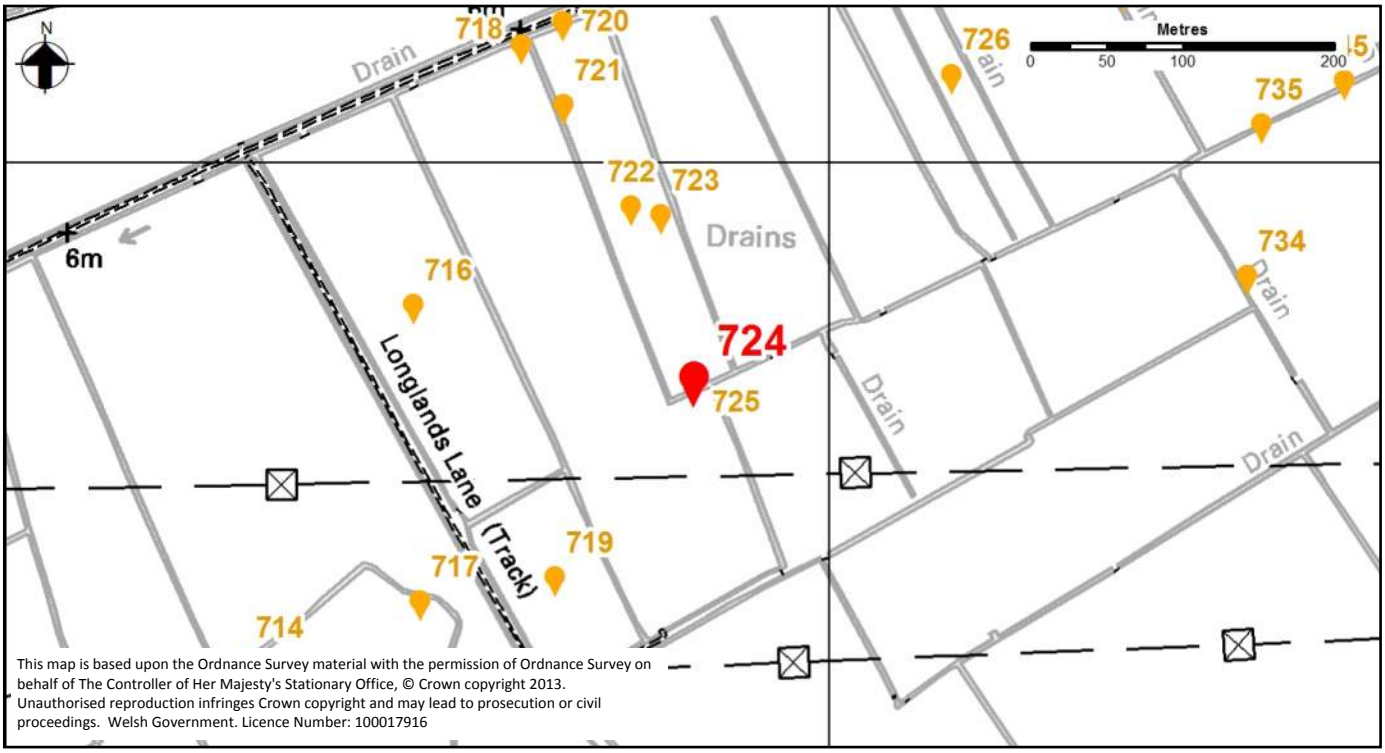

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	725	Date:	15-08-2014 13:21	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Barn owl WCA Schedule 1

Target Note:

Barn owl flushed out of willow, flew south; mammal pathways into reen

Target Note Location Map:

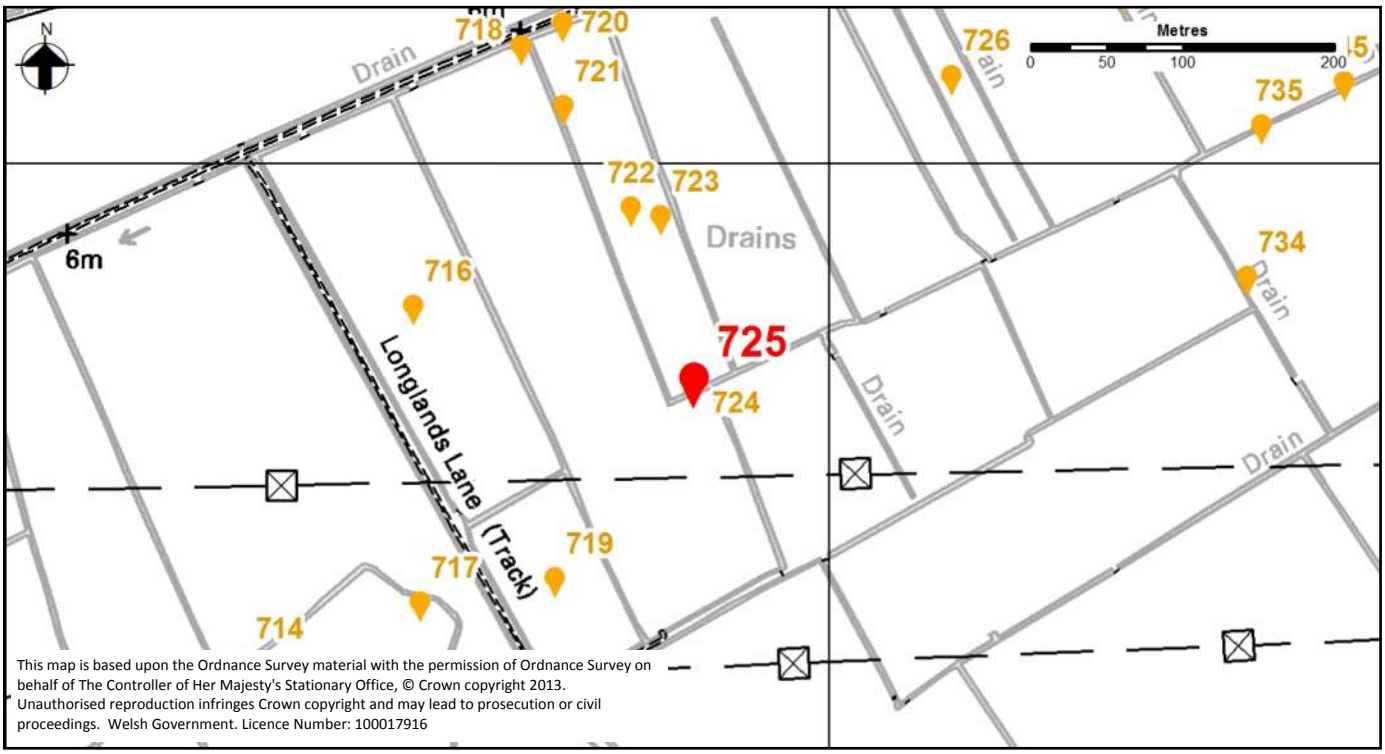

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	726	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Broad leaved dock, redshank, meadow sweet, willow sp., creeping thistle, yellow loosestrife. Speckled wood butterfly.

Potential for Protected Species:

Target Note Location Map:

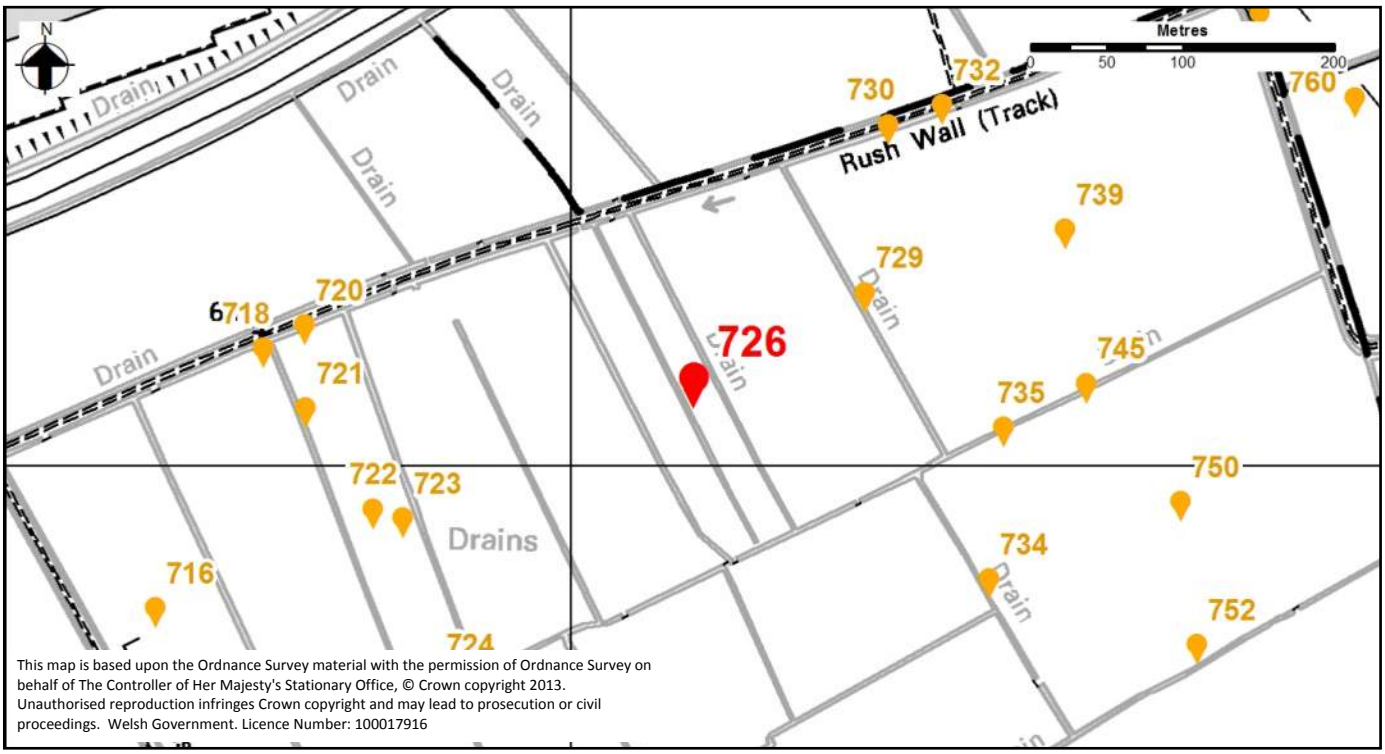

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	727	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Phragmites dominated marginal vegetation

Potential for Protected Species:

Target Note Location Map:

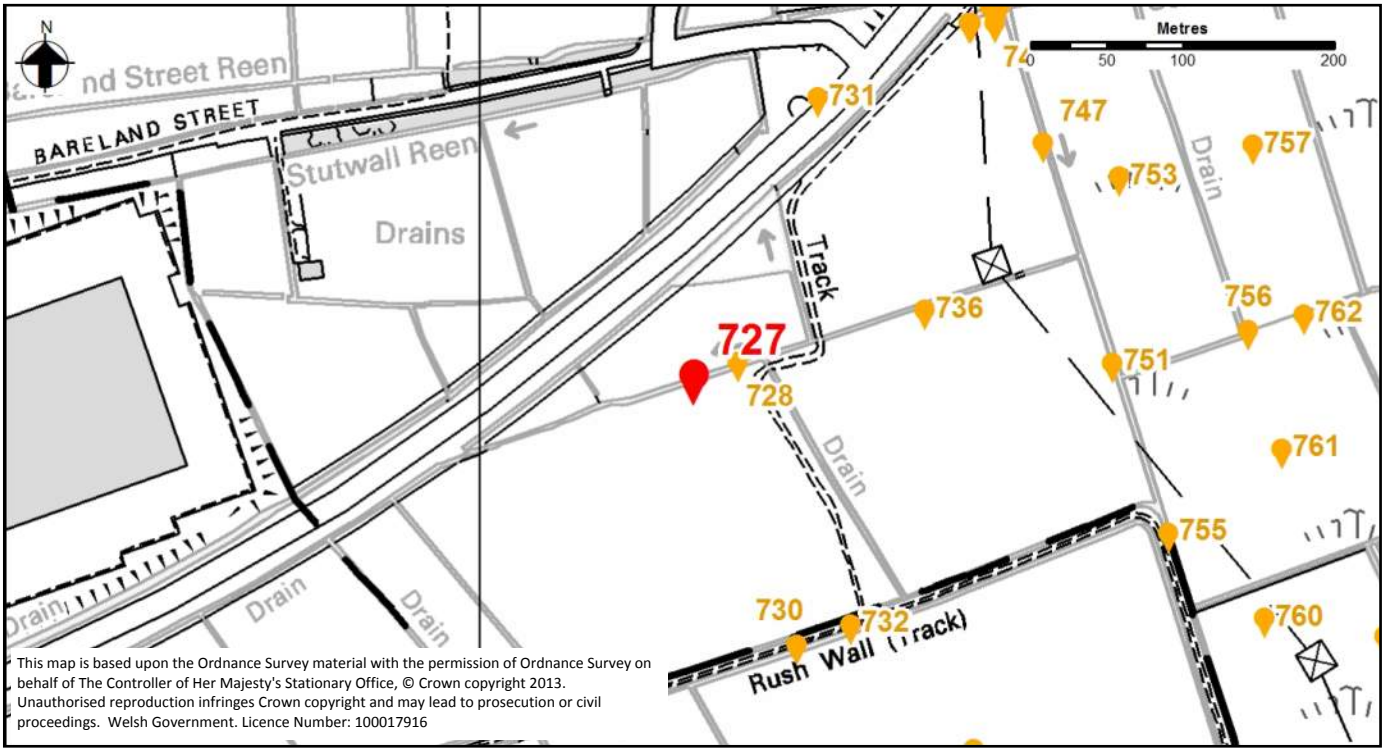

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	728	Date:	27-08-2014 11:08	GPS:	51.57, -2.85

Dominant Habitats:

Reen, livestock grazing

Potential for Protected Species:

Bank vole

Target Note:

Bank vole sighted

Target Note Location Map:

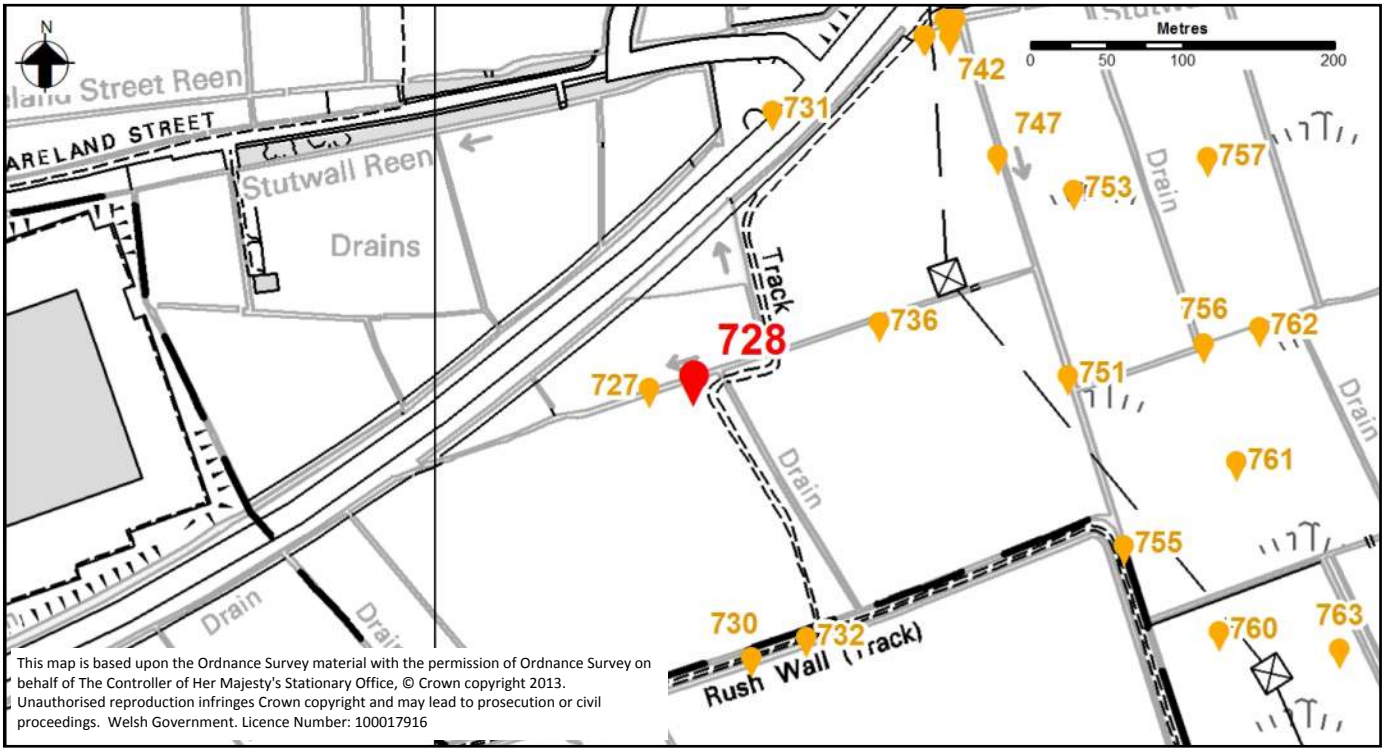

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	729	Date:	15-08-2014 14:03	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow/reen

Target Note:

Mammal pathway into reen

Potential for Protected Species:

Target Note Location Map:

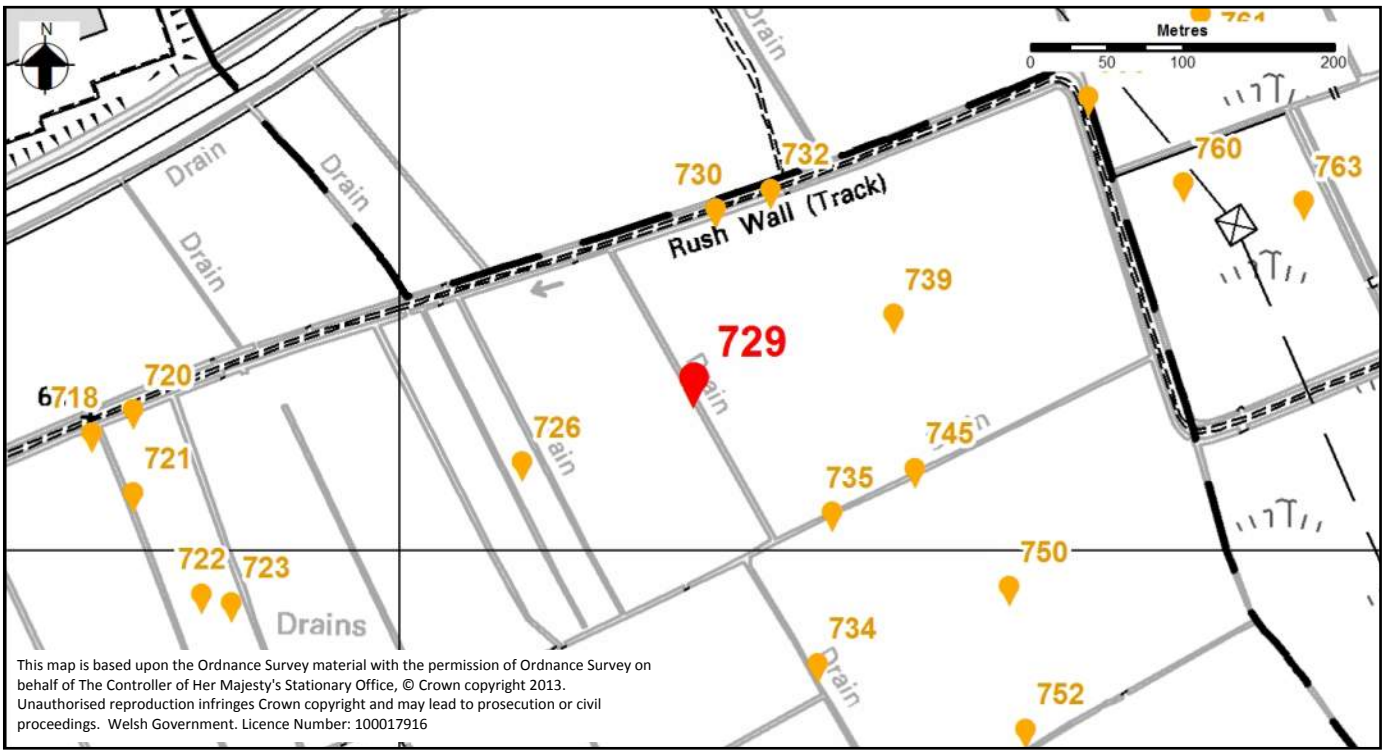

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	730	Date:	13-08-2014	GPS:	51.57, -2.85

Dominant Habitats:

Grassy track

Potential for Protected Species:

Reptiles

Target Note:

Possible common lizard sighting

Target Note Location Map:

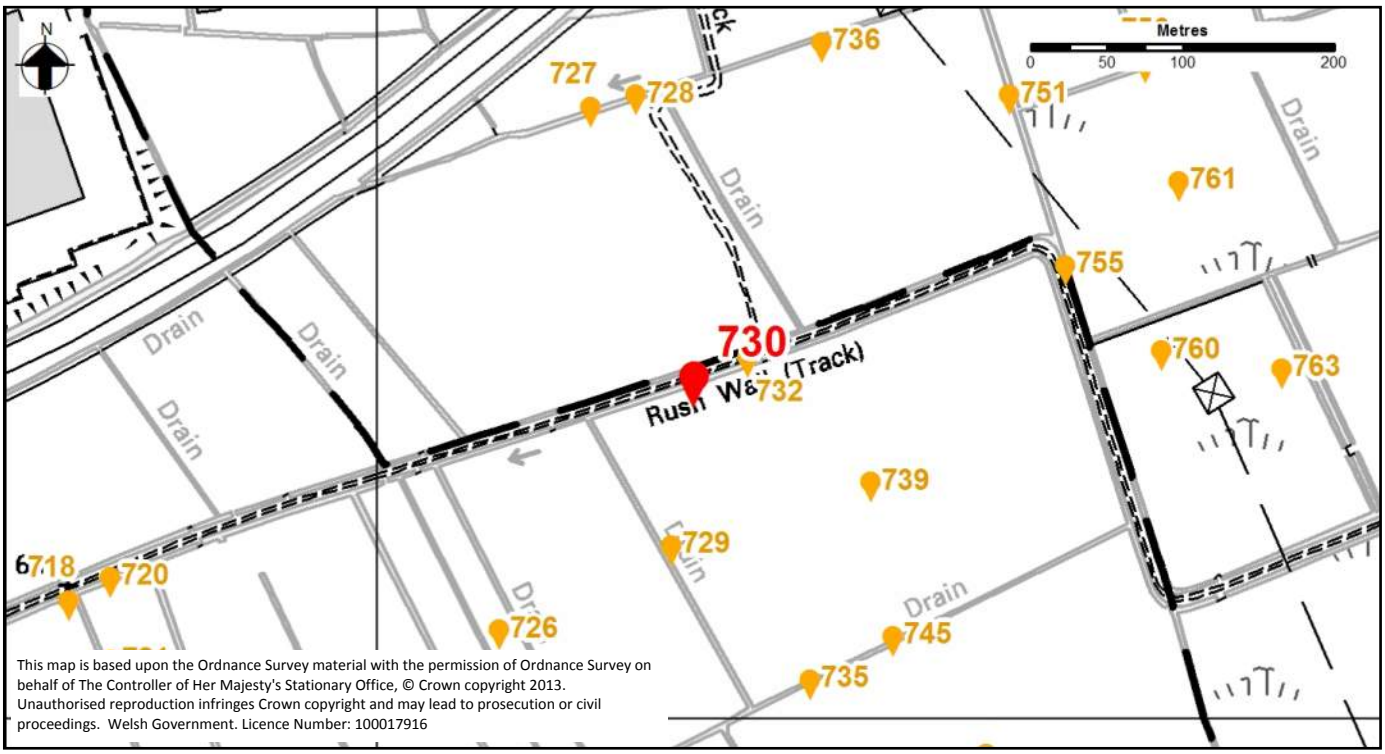

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	731	Date:	07-08-2014	GPS:	51.58, -2.85

Dominant Habitats:

Reen, scrub, grassland adjacent to road

Target Note:

Road kill badger

Potential for Protected Species:

Badger Act 1992

Target Note Location Map:

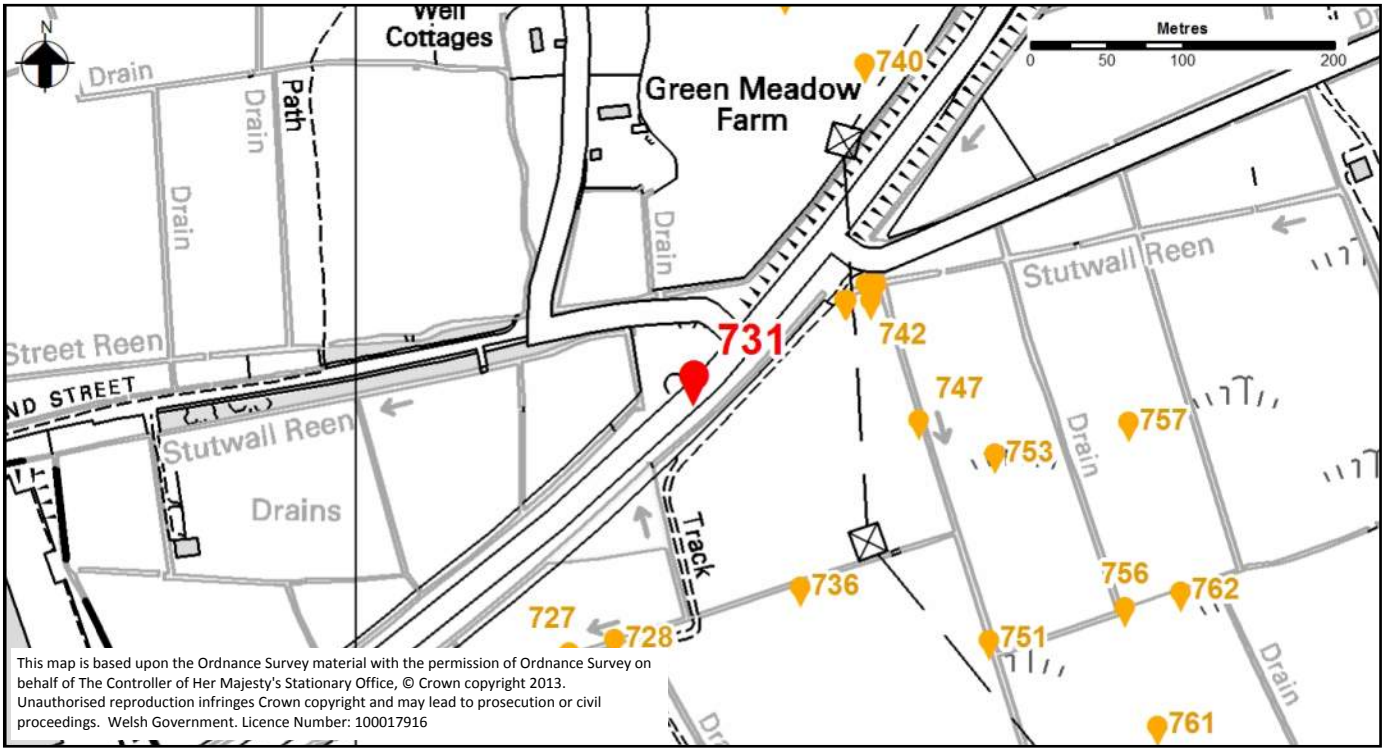

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	732	Date:	12-08-2014 15:24	GPS:	51.57, -2.85

Dominant Habitats:

Reen

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note:

Recent/fresh mink spraint

Target Note Location Map:

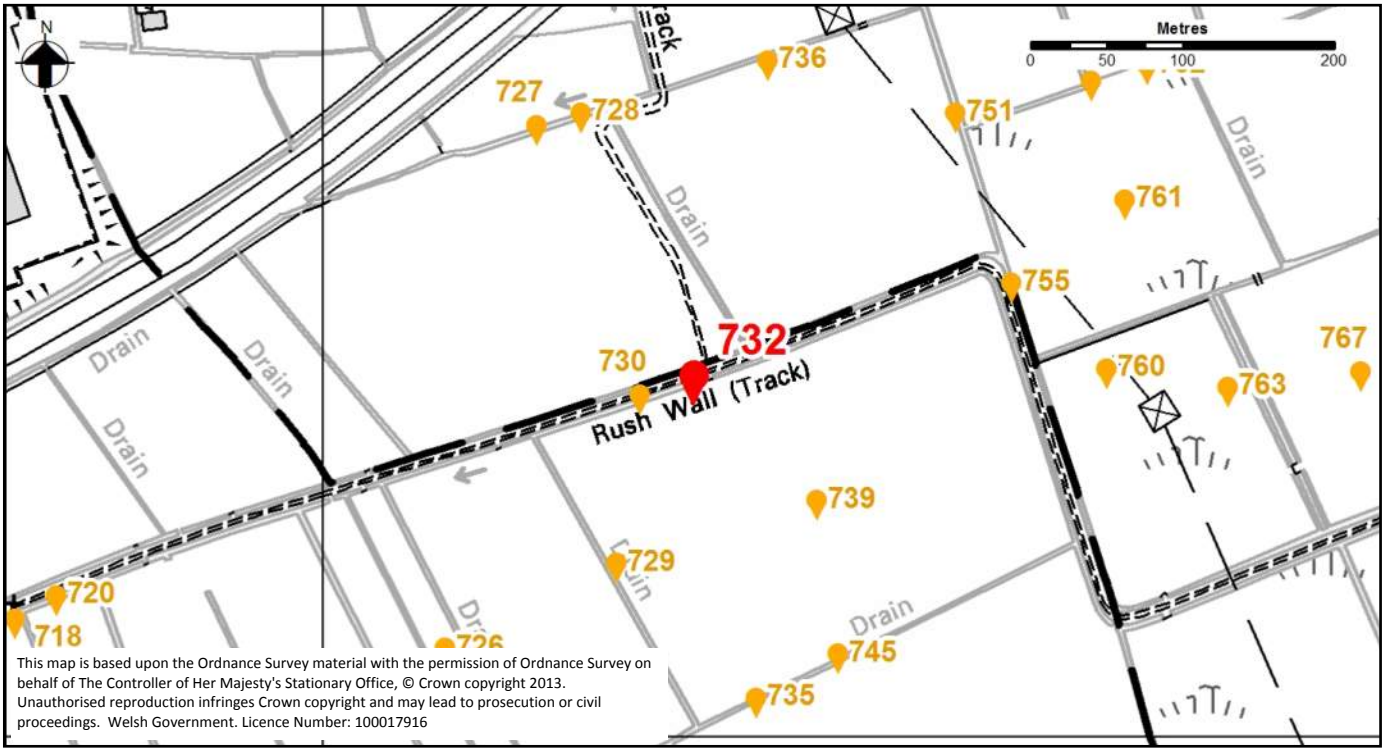

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	733	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

White clover, field bindweed, perennial ryegrass, cock's foot, mallow, elder, red dead nettle, lords and ladies

Potential for Protected Species:

Target Note Location Map:

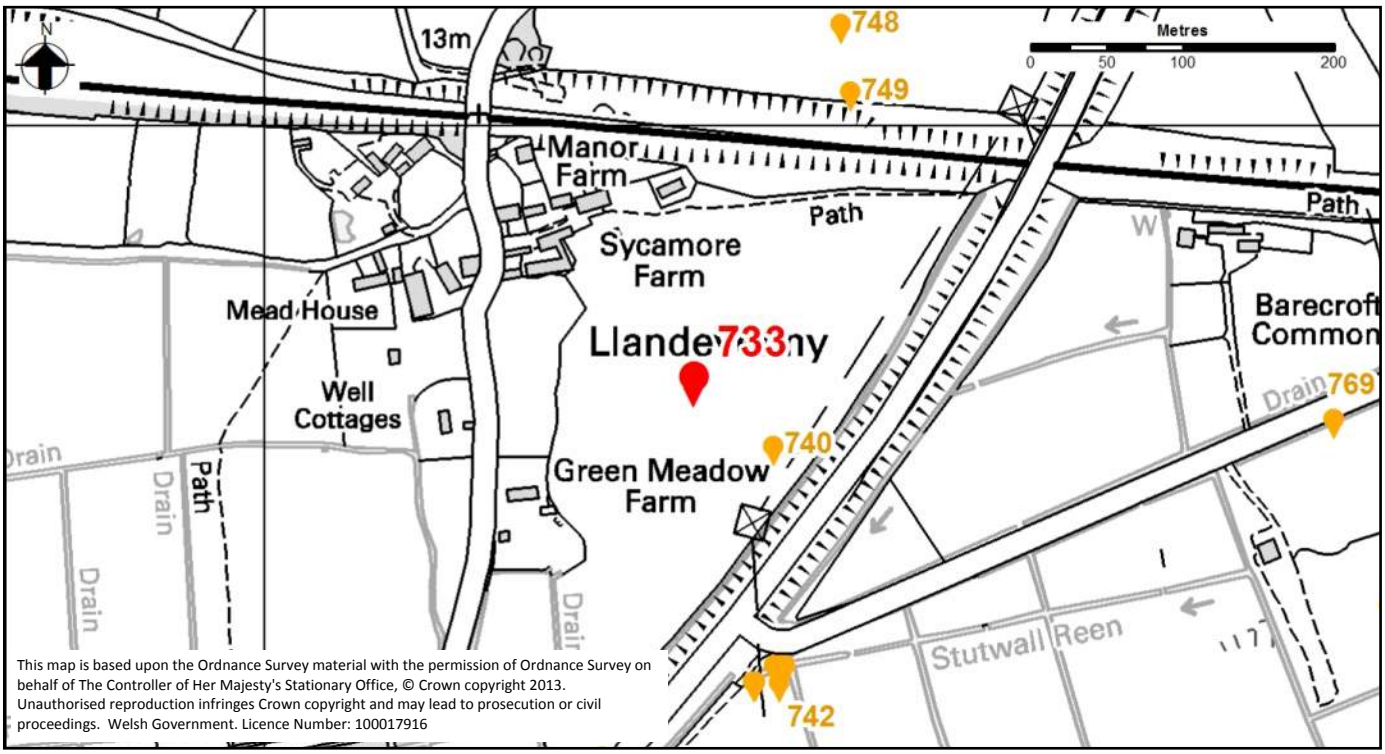

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	734	Date:	15-08-2014 14:20	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow/reen

Target Note:

Mammal pathways into reen; hedgerow flailed

Potential for Protected Species:

Target Note Location Map:

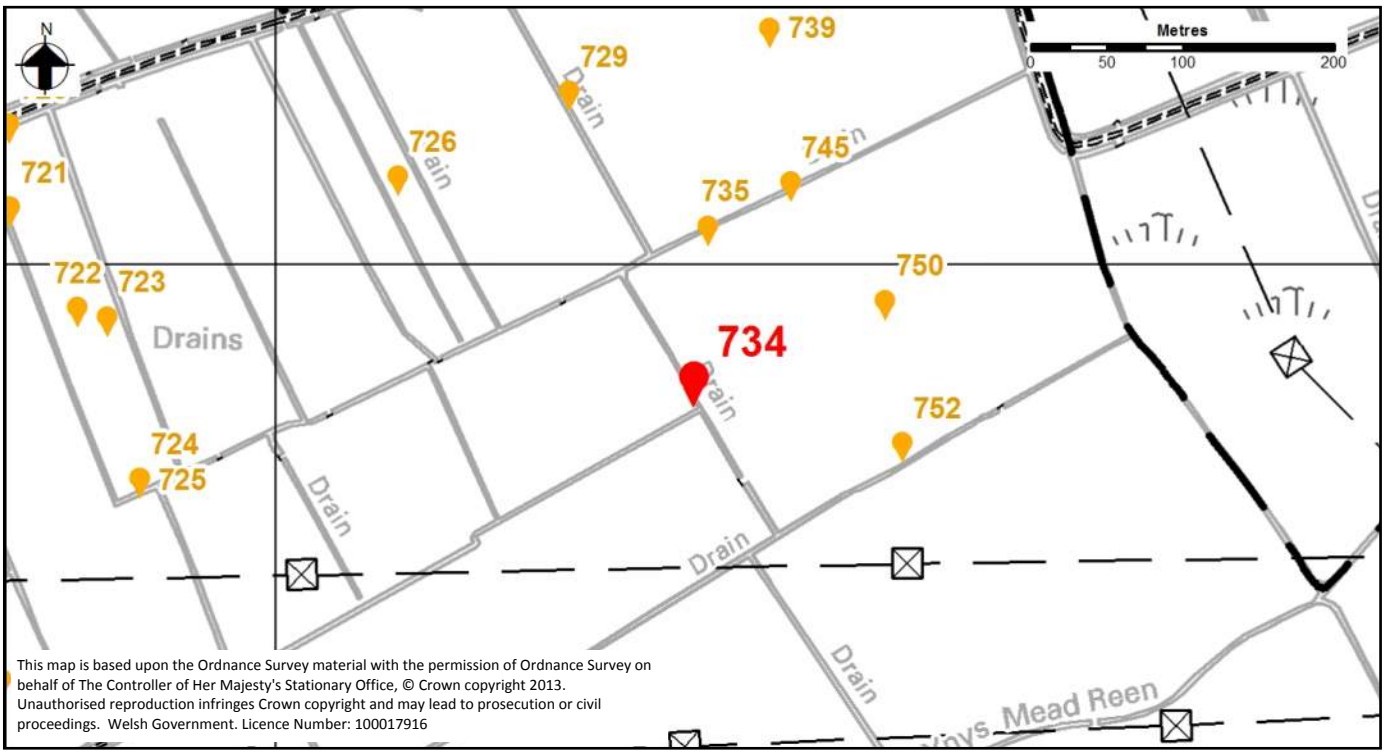

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	735	Date:	15-08-2014 14:11	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow/reen

Target Note:

Multiple pathways into reen, possibly otter

Potential for Protected Species:

Otter

Target Note Location Map:

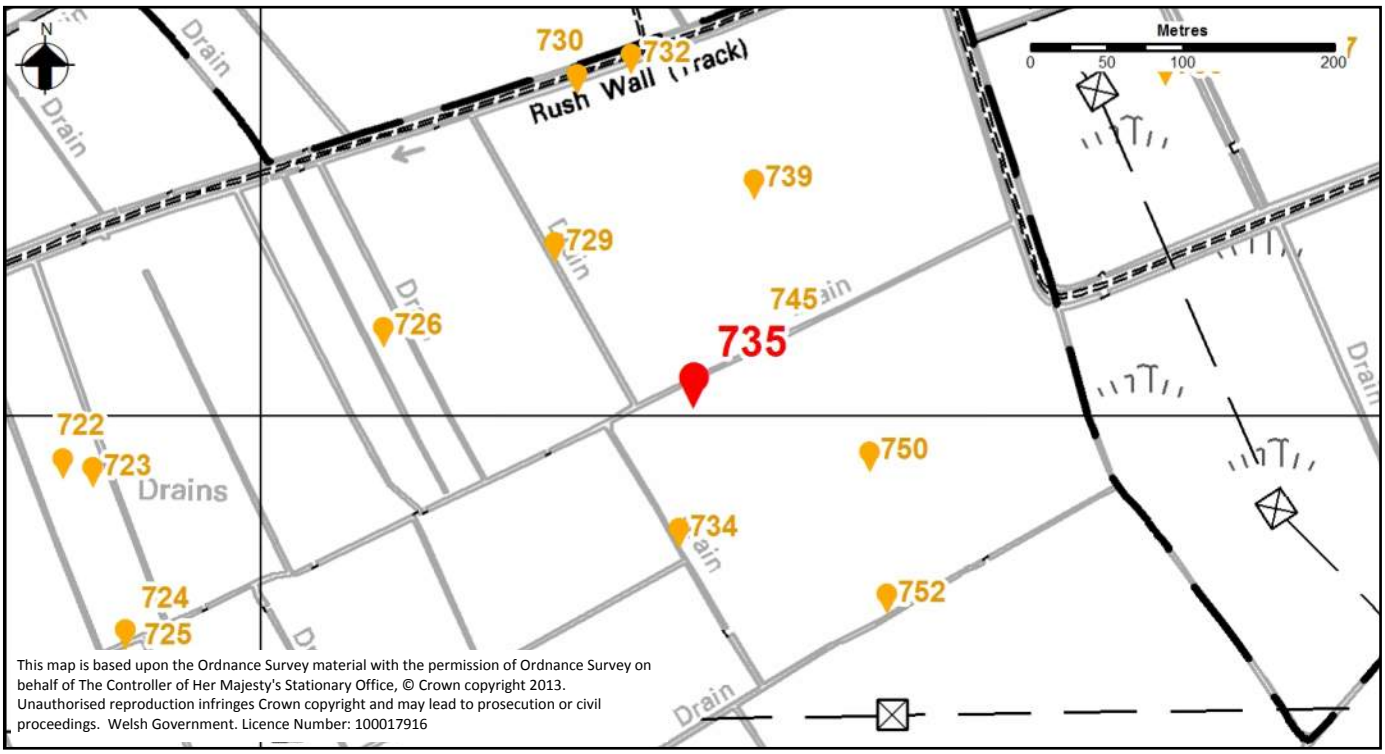

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	736	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Reen

Target Note:

Static area of reen, dense duckweed cover that may obscure potential for aquatic plants.

Potential for Protected Species:

Target Note Location Map:

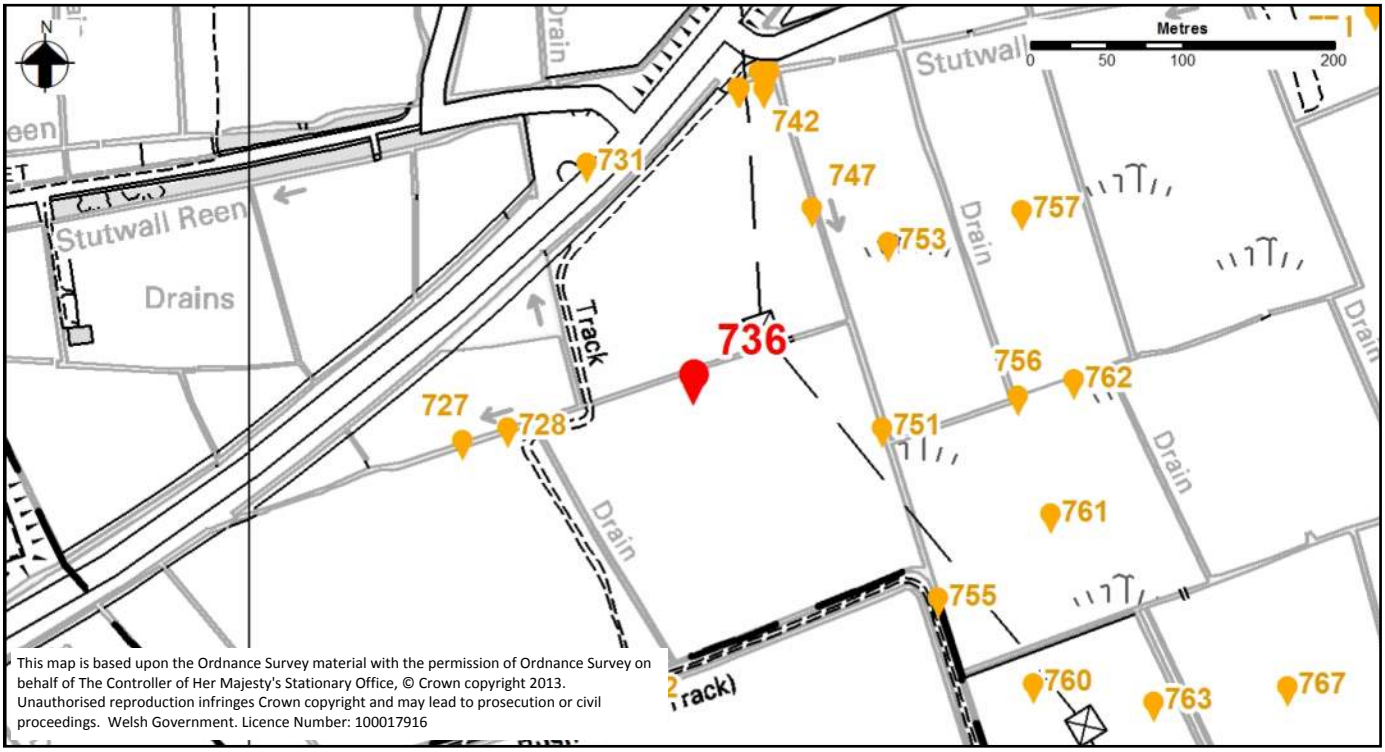

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	737	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Bramble, hawthorn

Potential for Protected Species:

Target Note Location Map:

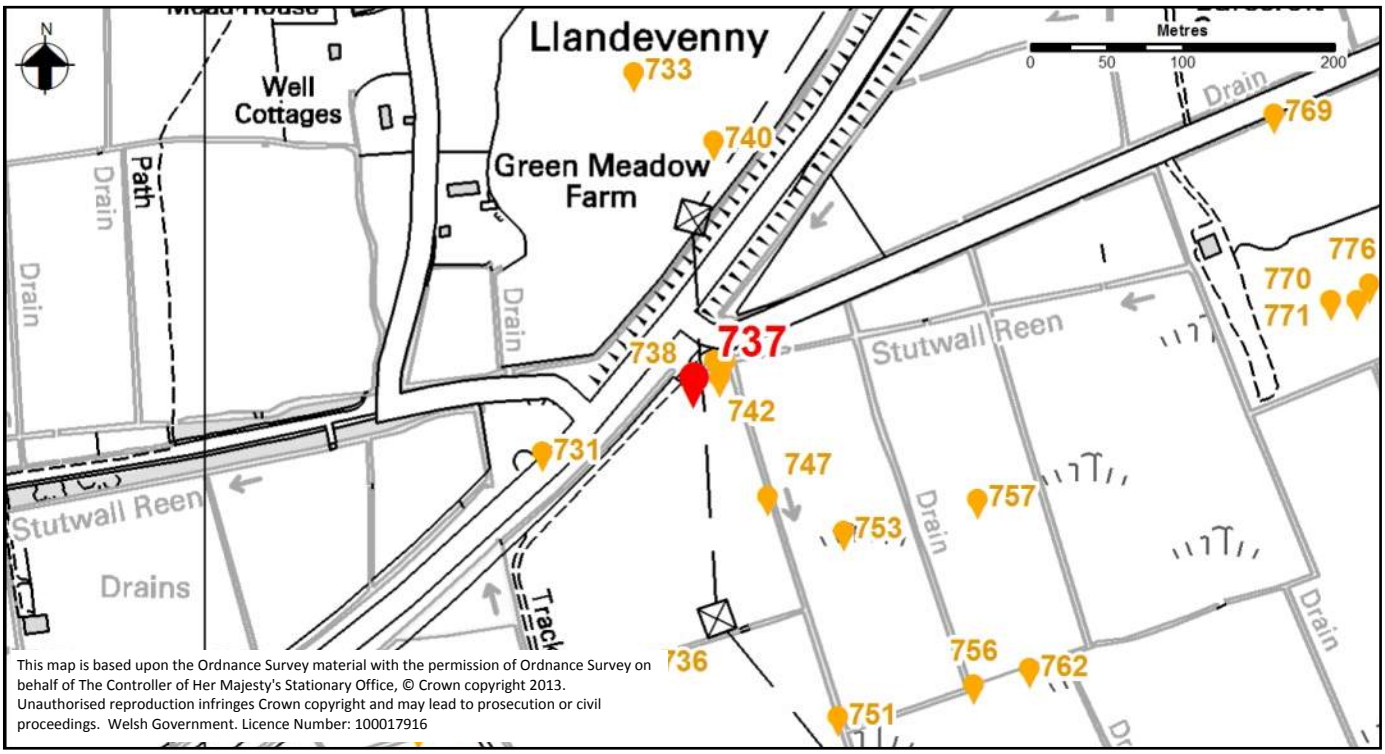

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	738	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Bramble, hawthorn

Potential for Protected Species:

Target Note Location Map:

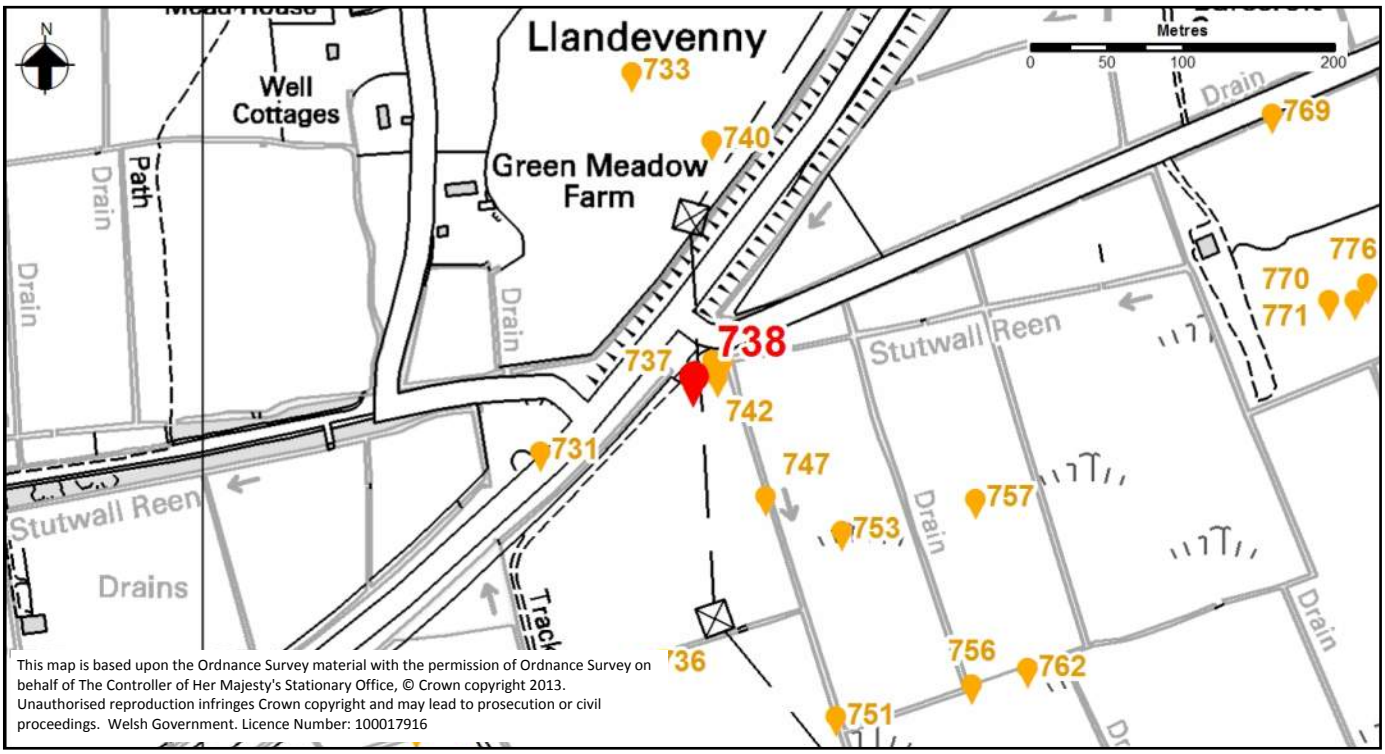

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	739	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Burdock, broad leaved dock, nettle, ribwort, meadow foxtail, white clover, dandelion, perennial ryegrass

Potential for Protected Species:

Target Note Location Map:

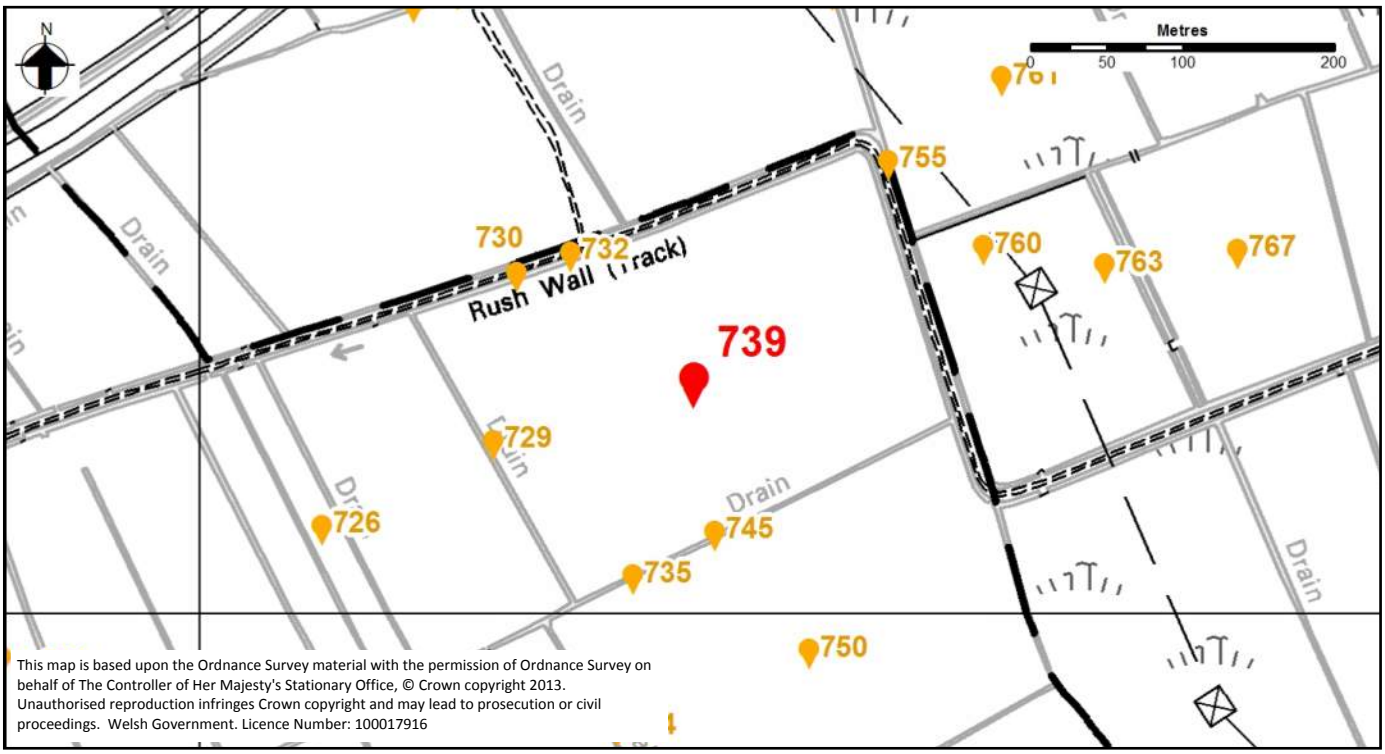

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	740	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Perennial ryegrass, bramble, centaury, greater plantain, redshank, white clover, buttercup sp.

Potential for Protected Species:

Target Note Location Map:

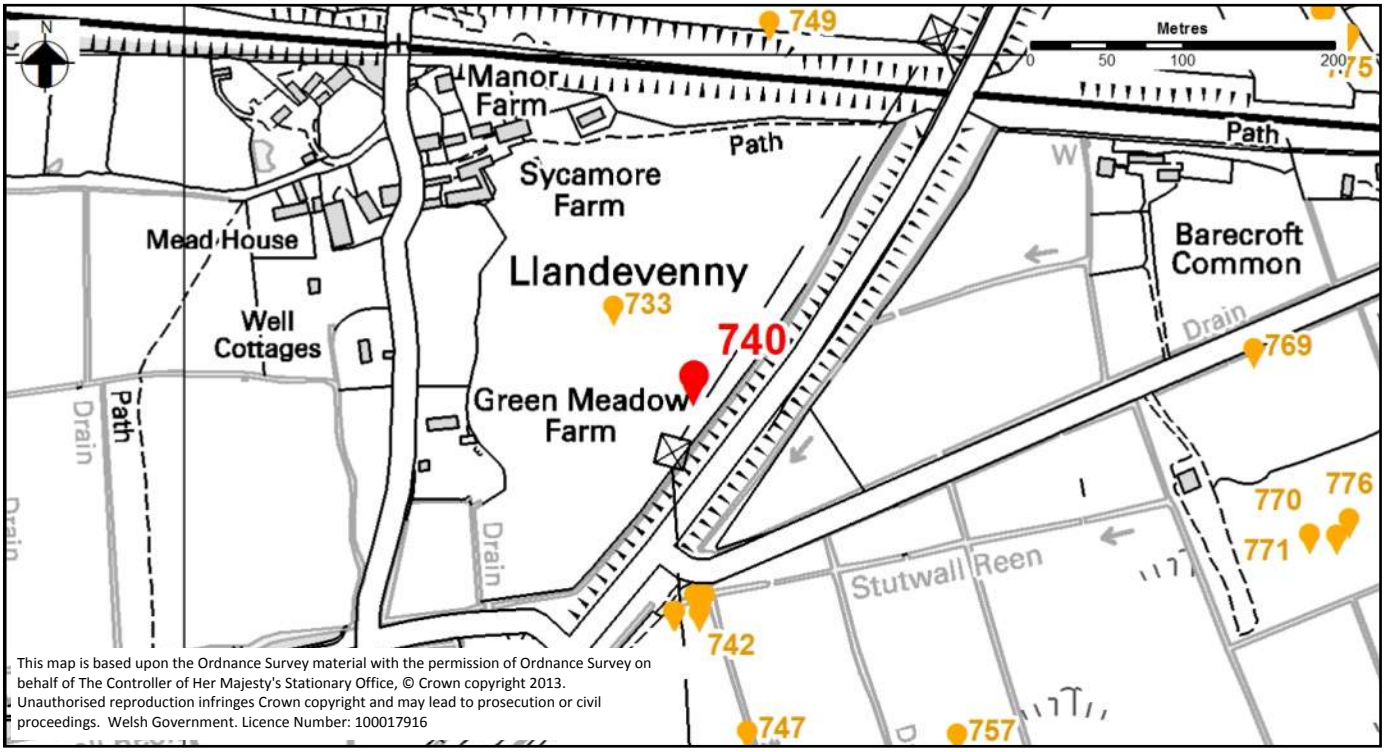

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	741	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Bramble, hawthorn, goat willow

Potential for Protected Species:

Target Note Location Map:

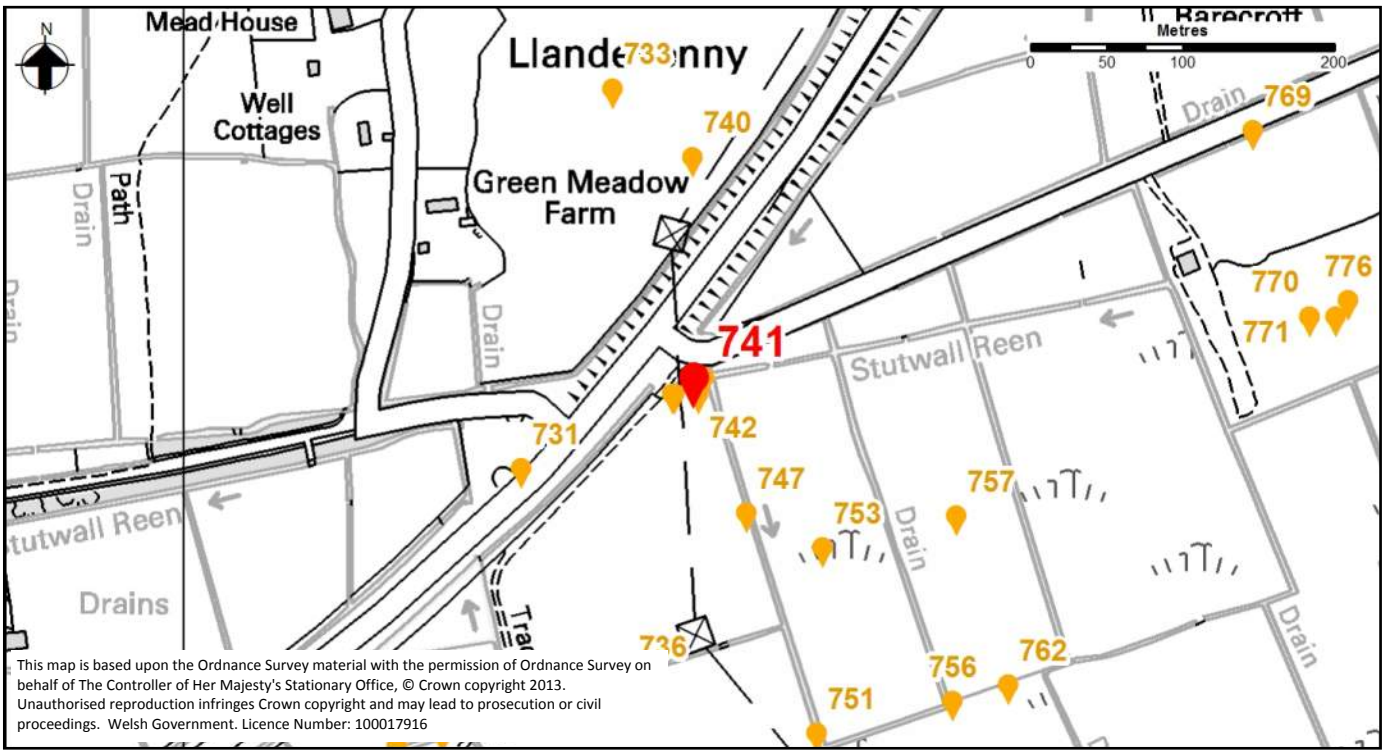

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	742	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Reed sweet-grass, great willowherb, common nettle, meadowsweet, broad-leaved dock

Potential for Protected Species:

Target Note Location Map:

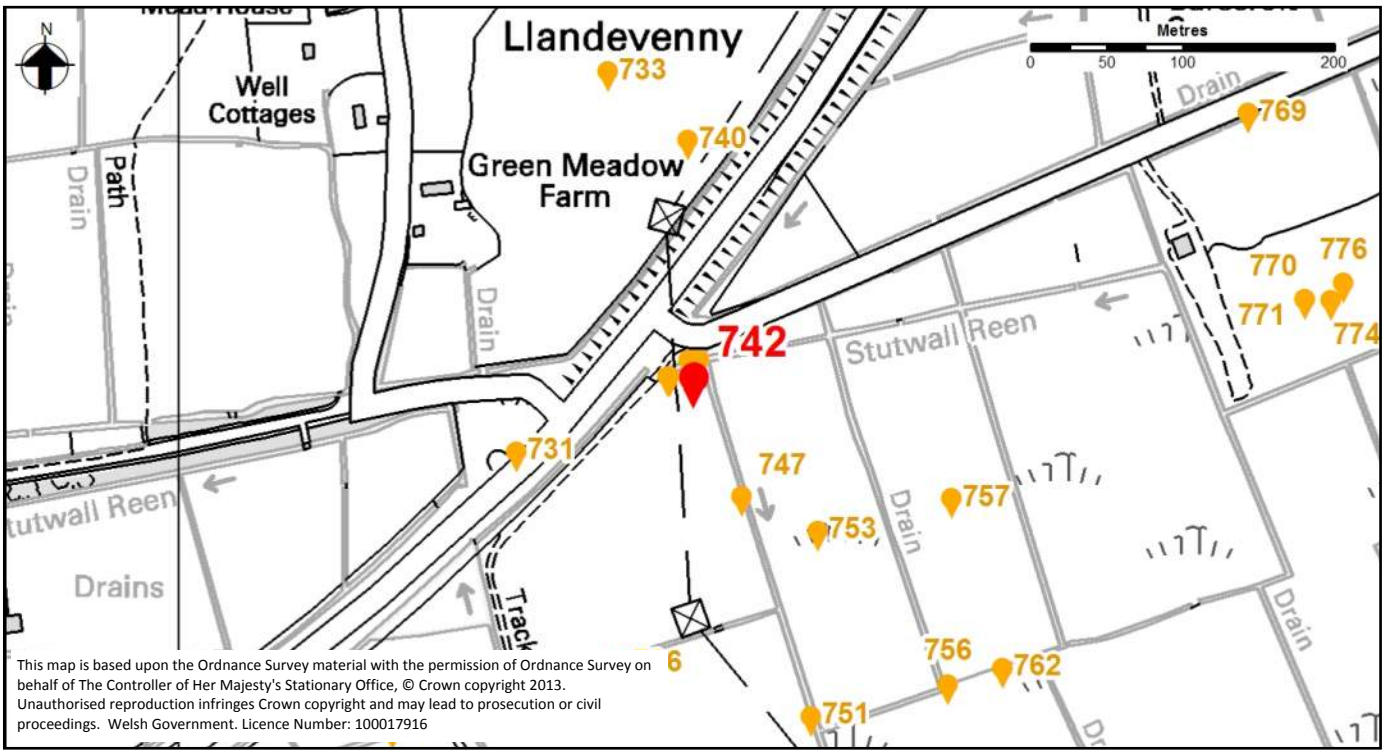

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	743	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Reed sweet- grass, great willowherb, common nettle, meadowsweet, broad-leaved dock

Potential for Protected Species:

Target Note Location Map:

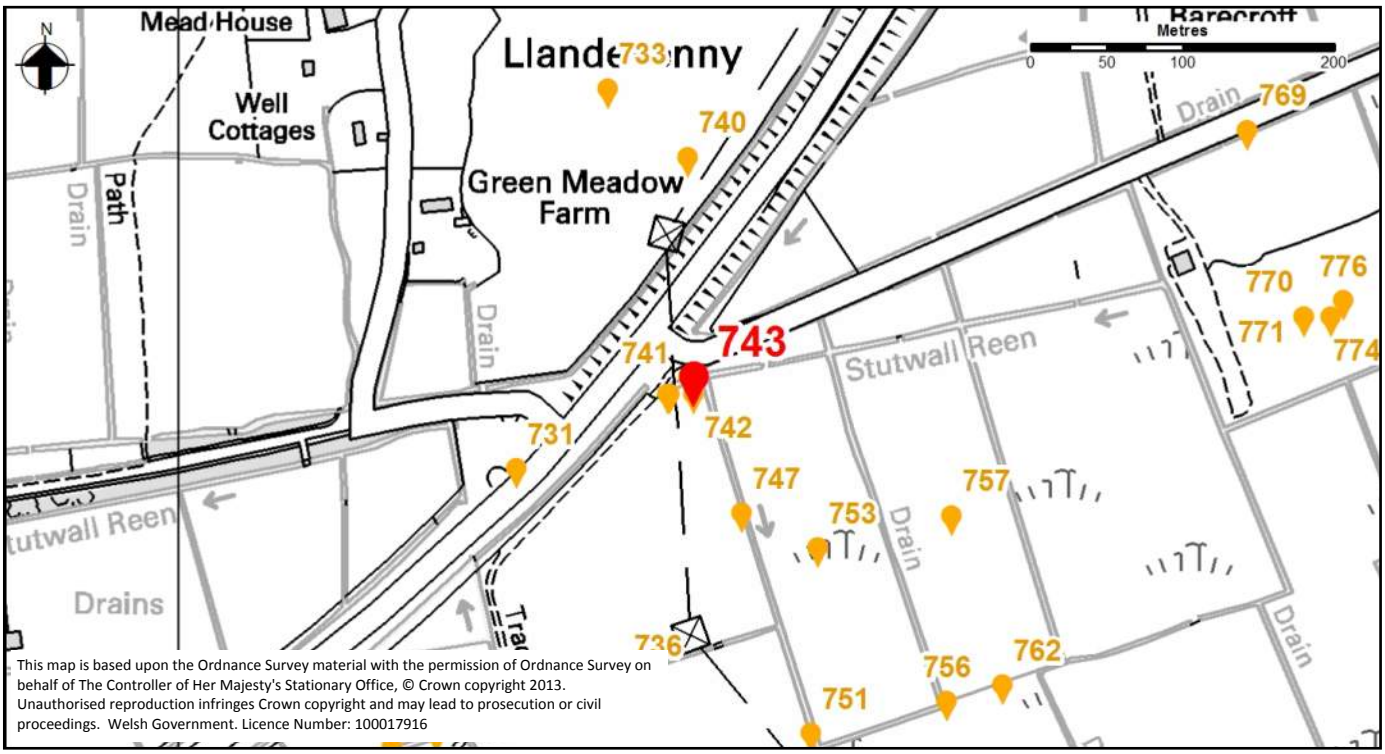

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	744	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Bramble, hawthorn, goat willow

Potential for Protected Species:

Target Note Location Map:

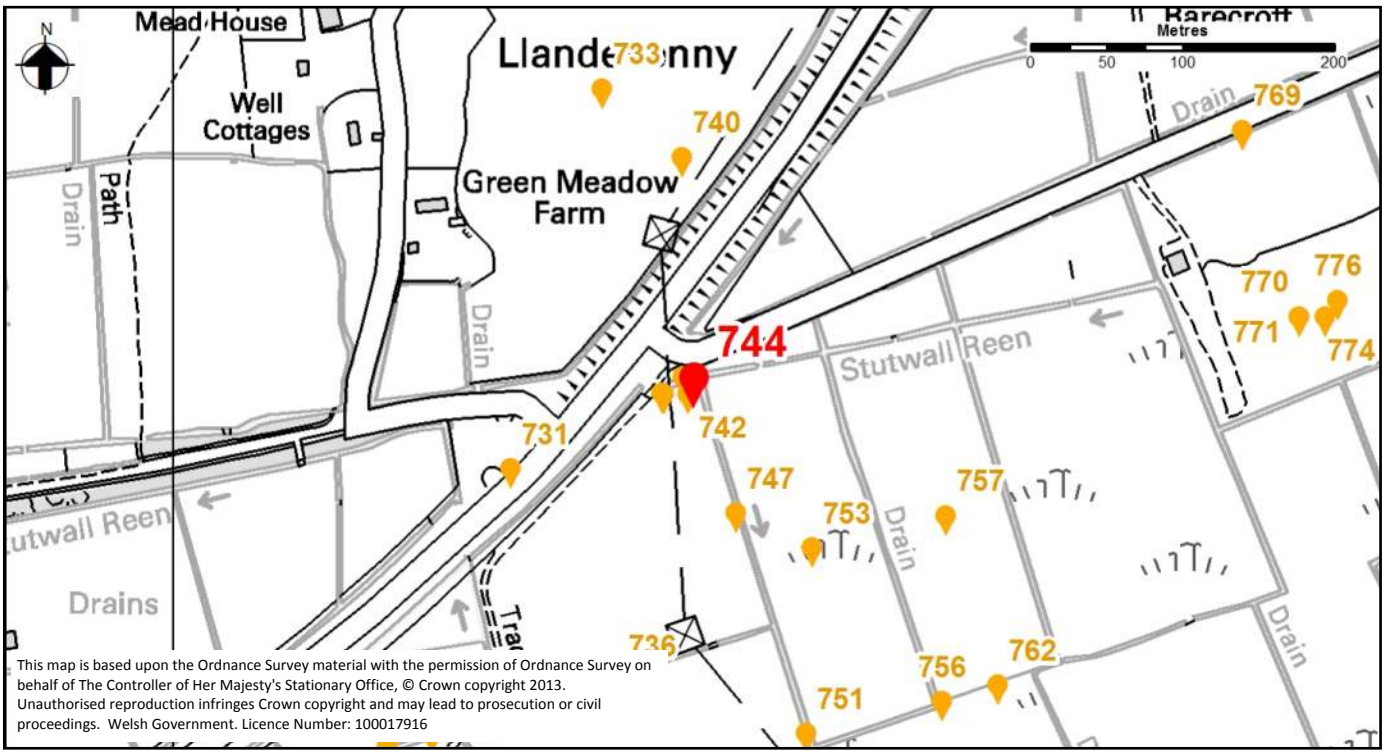

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	745	Date:	13-08-2014	GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

13 lapwings flushed from field

Potential for Protected Species:

Lapwings

Target Note Location Map:

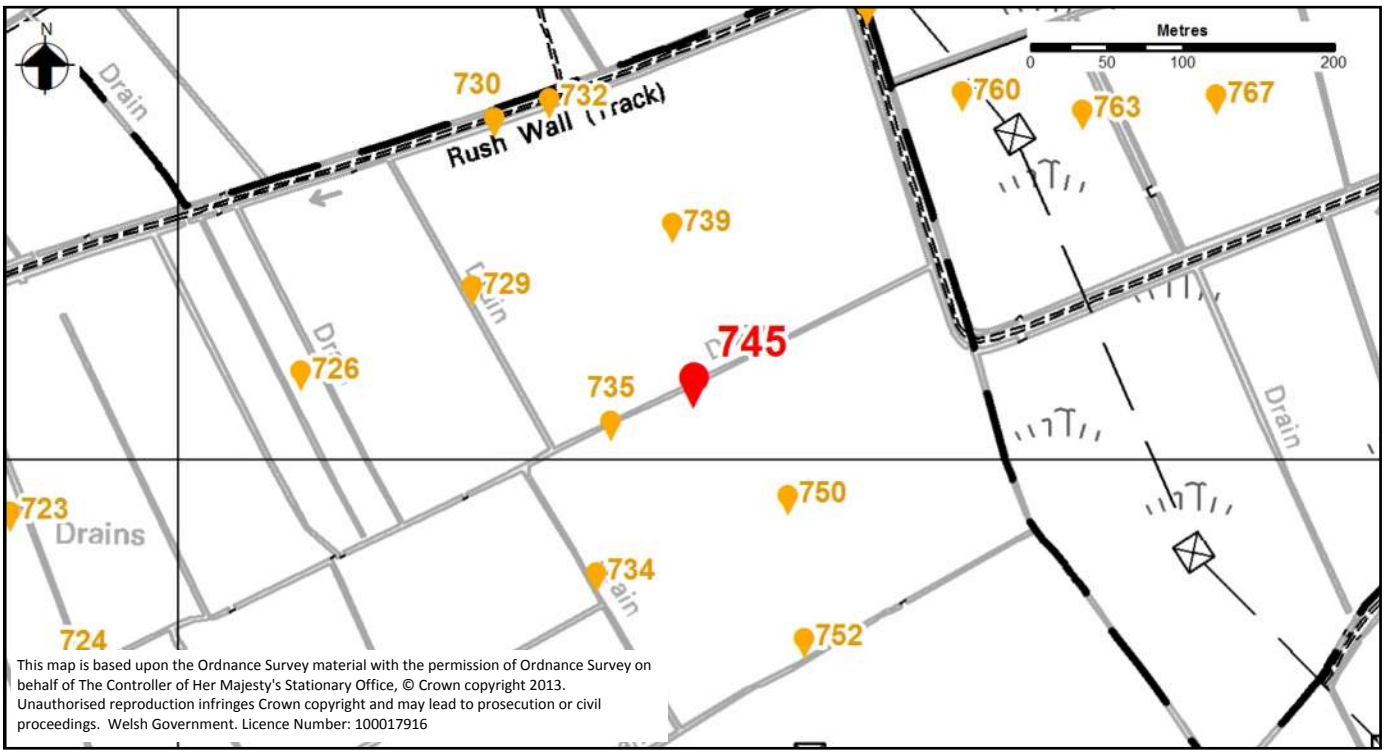

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	746	Date:	30-10-2014 13:01	GPS:	51.58, -2.85

Dominant Habitats:

Hedgerow

Target Note:

Hedgerow with rabbit evidence

Potential for Protected Species:

Target Note Location Map:

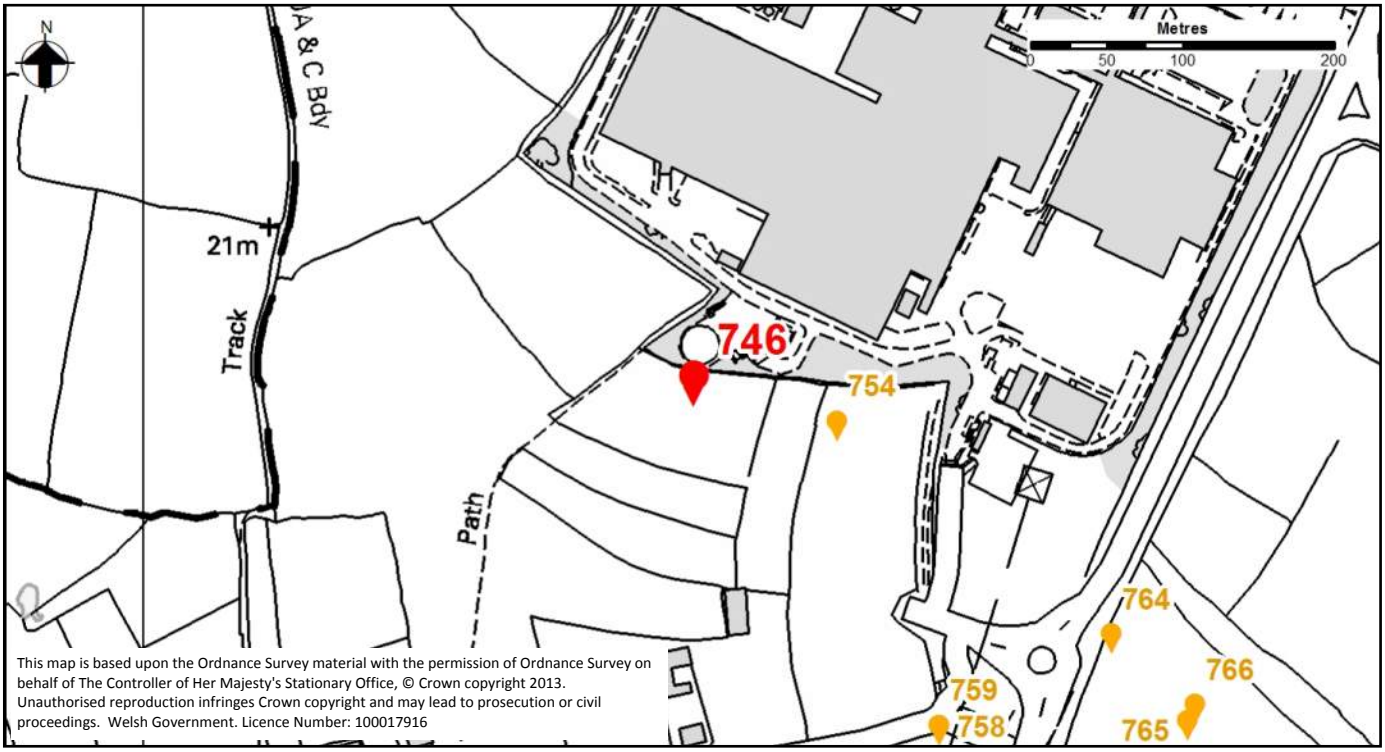

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	747	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Bramble, grey willow

Potential for Protected Species:

Target Note Location Map:

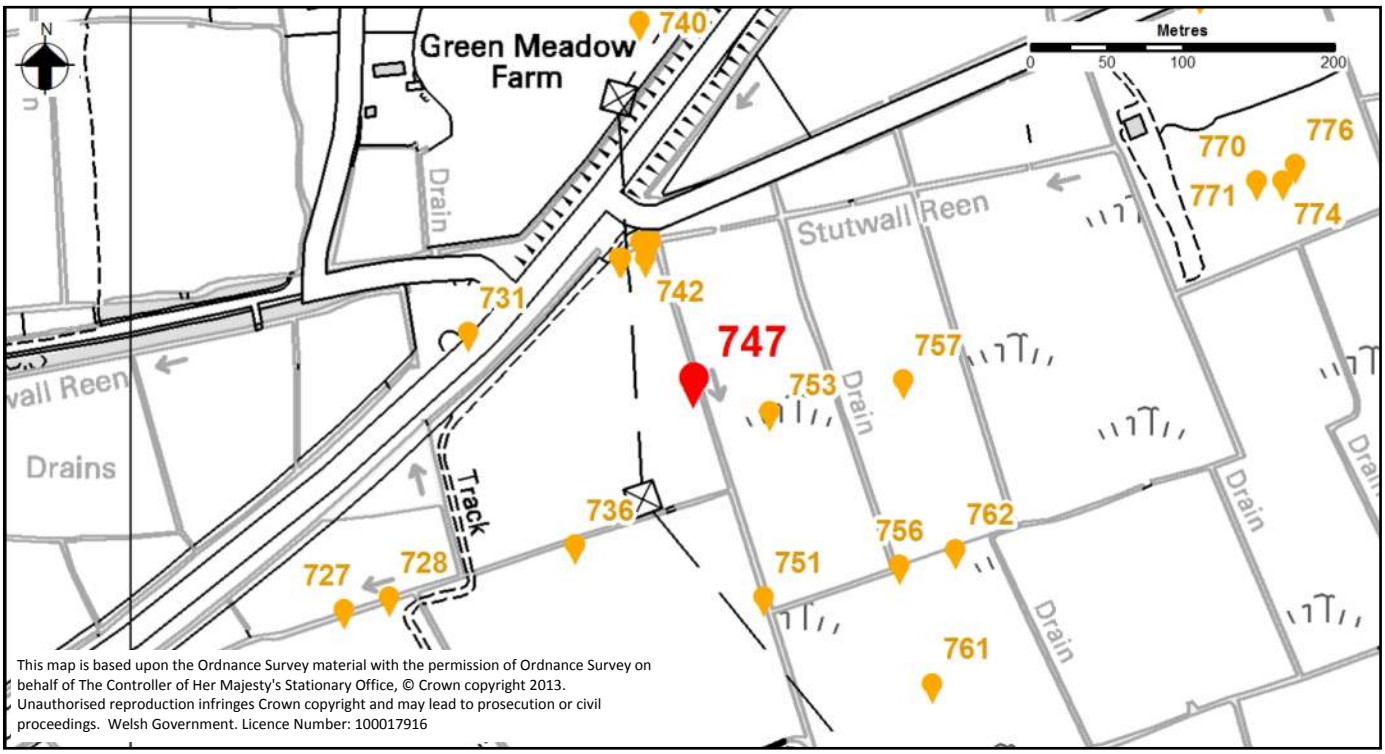

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	748	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Redshank, nettle, burdock, creeping buttercup, sorrel, creeping thistle, field bindweed. Horses present

Potential for Protected Species:

Target Note Location Map:

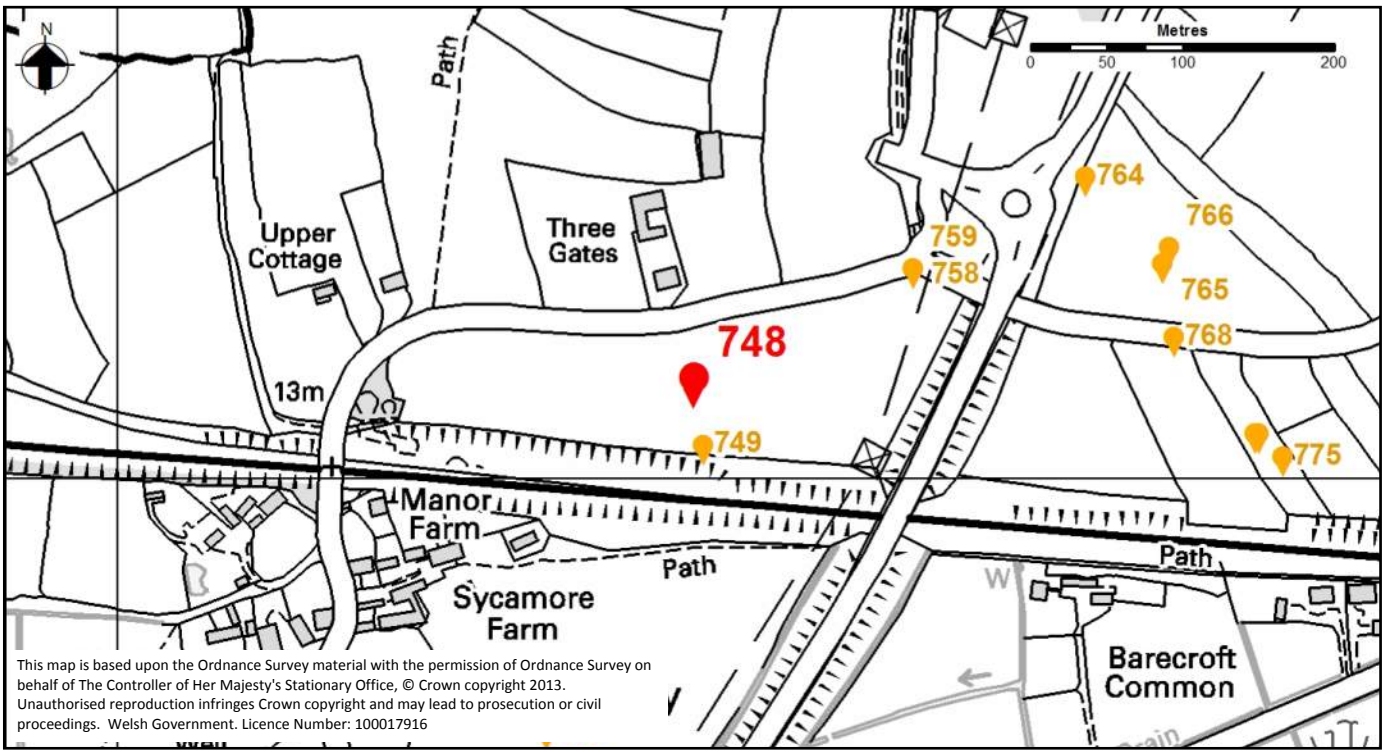

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	749	Date:		GPS:	51.58, -2.85

Dominant Habitats:

Target Note:

Bramble, hawthorn, nettle

Potential for Protected Species:

Target Note Location Map:

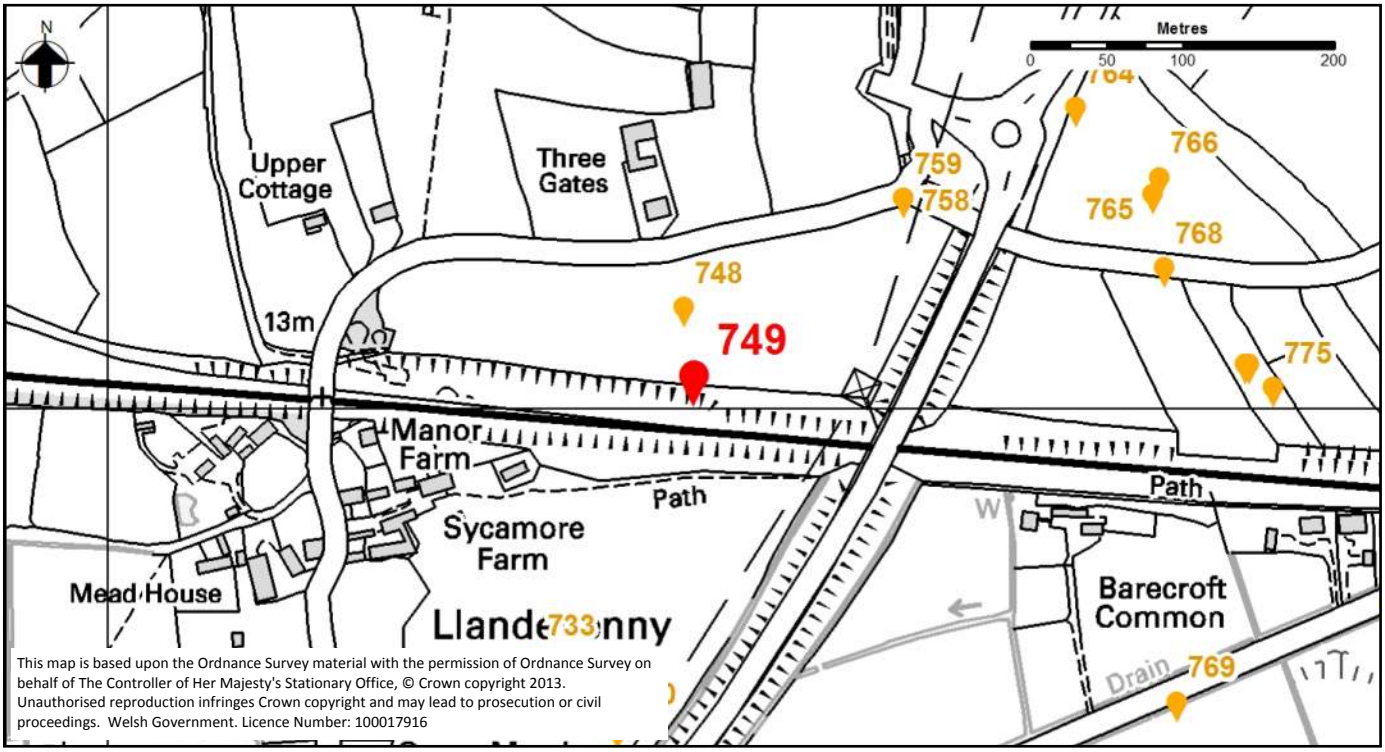

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	750	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Pineapple weed, perennial ryegrass, hard rush, reed sp., meadow foxtail, silverweed.

Potential for Protected Species:

Target Note Location Map:

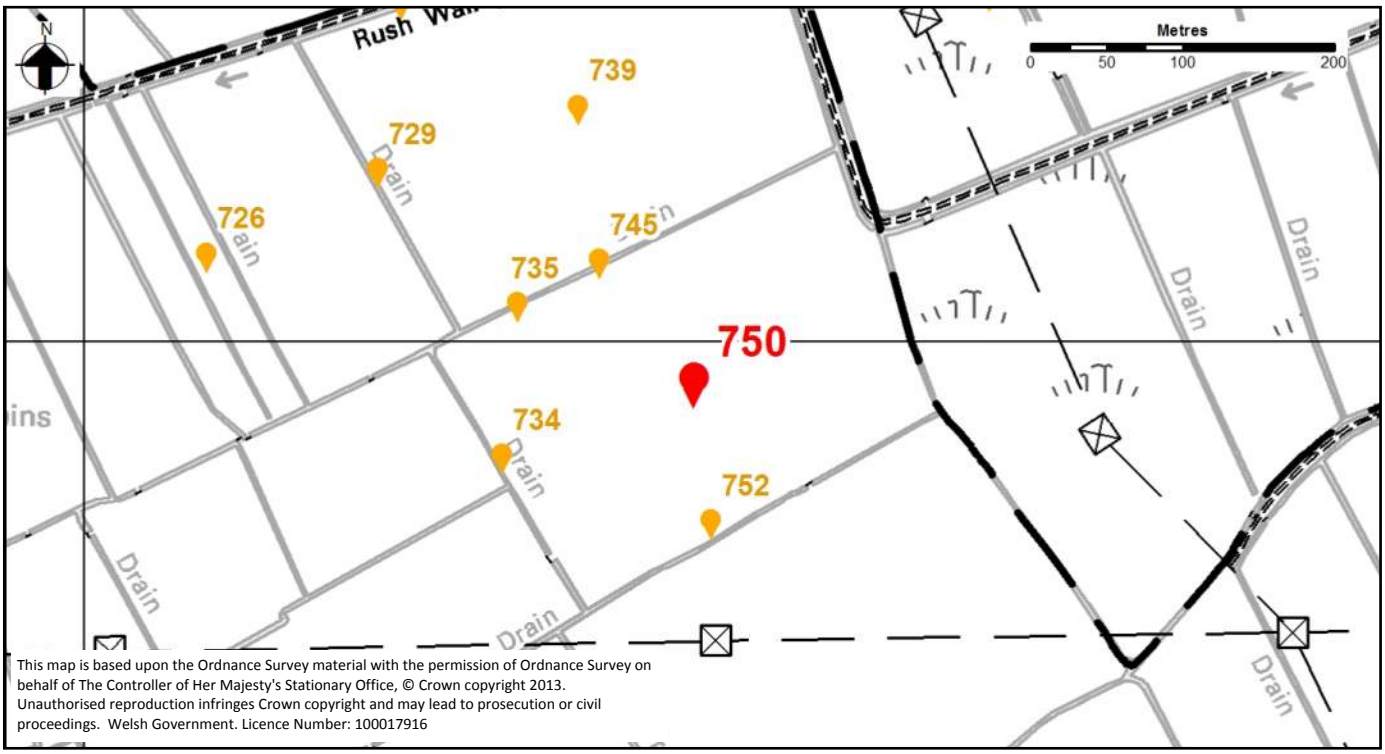

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	751	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Reen

Potential for Protected Species:

Target Note:

Area of reen that is flowing. Dense duckweed cover obscuring potential aquatic vegetation, water turbid

Target Note Location Map:

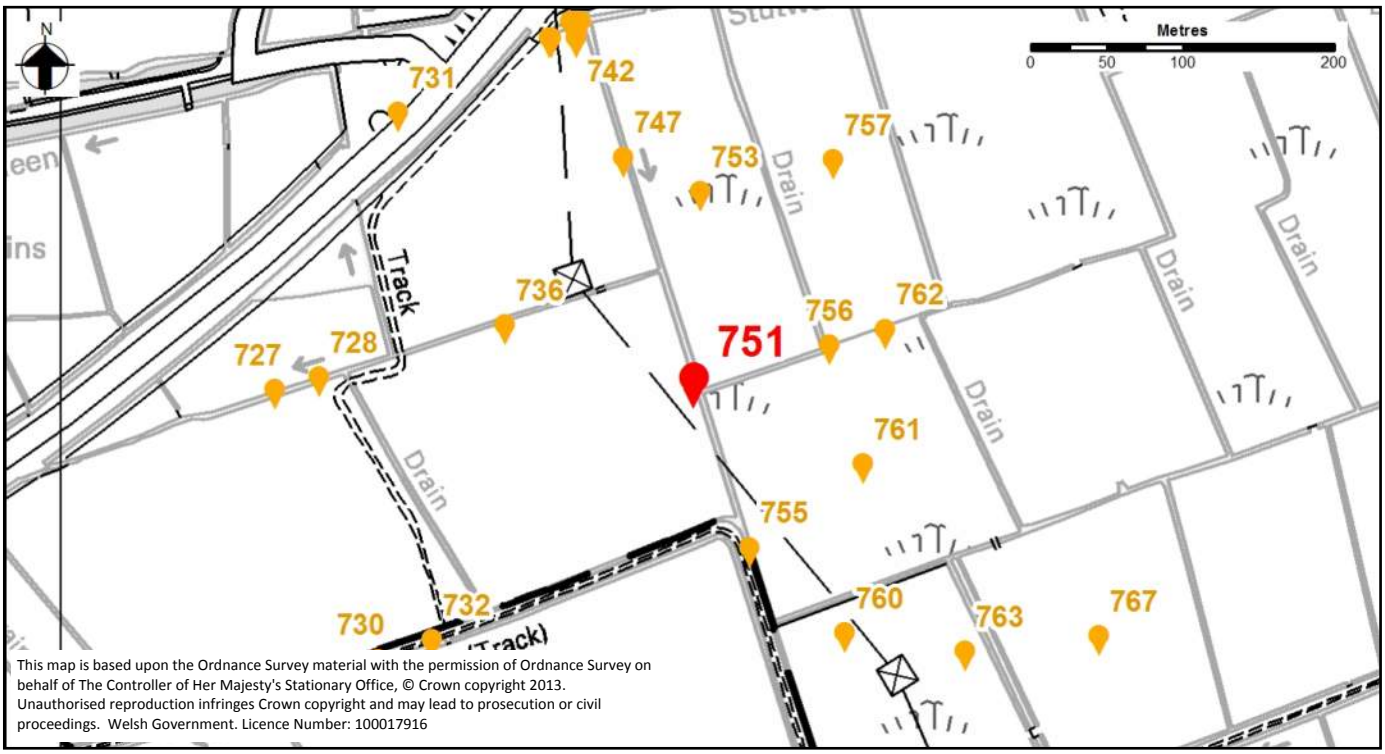

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	752	Date:	15-08-2014 14:27	GPS:	51.57, -2.85

Dominant Habitats:

Hedgerow/reen

Target Note:

Mammal pathway into reen

Potential for Protected Species:

Target Note Location Map:

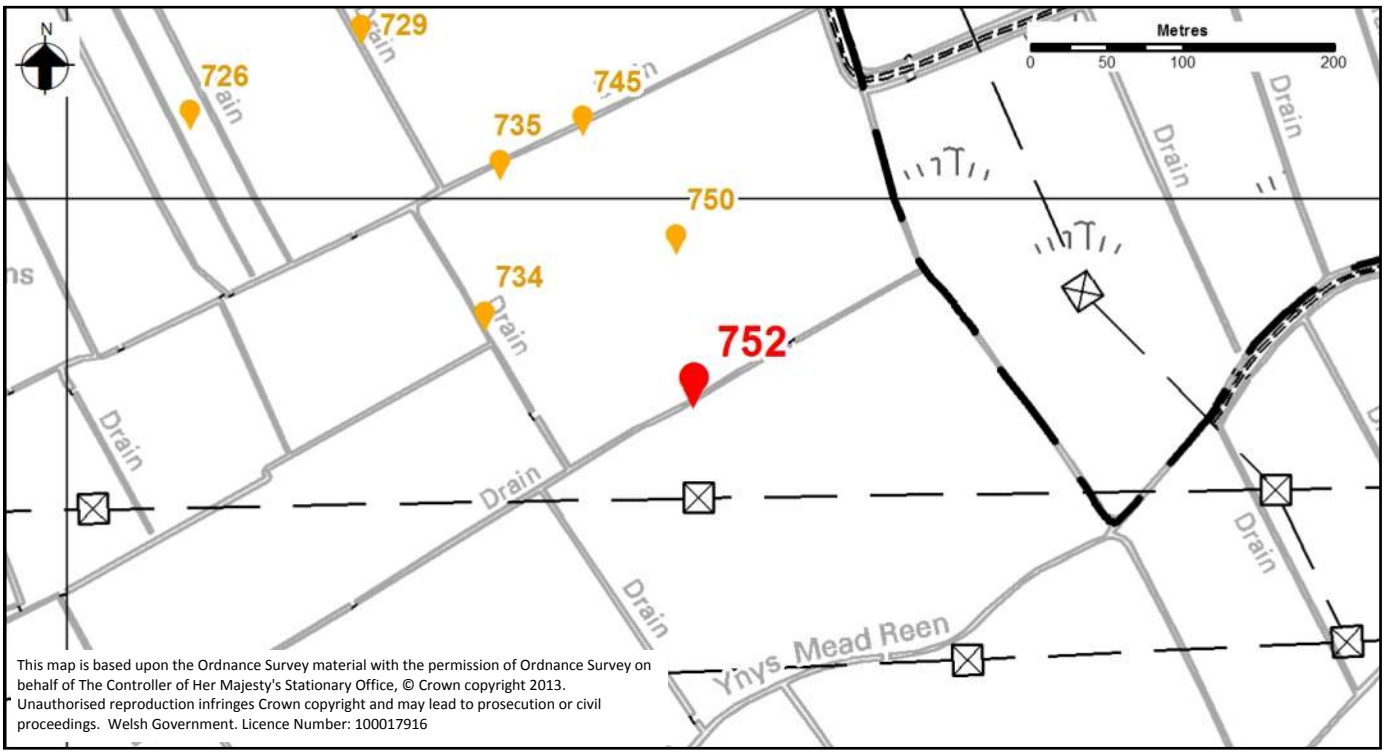

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	753	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Common reed, great willowherb

Potential for Protected Species:

Target Note Location Map:

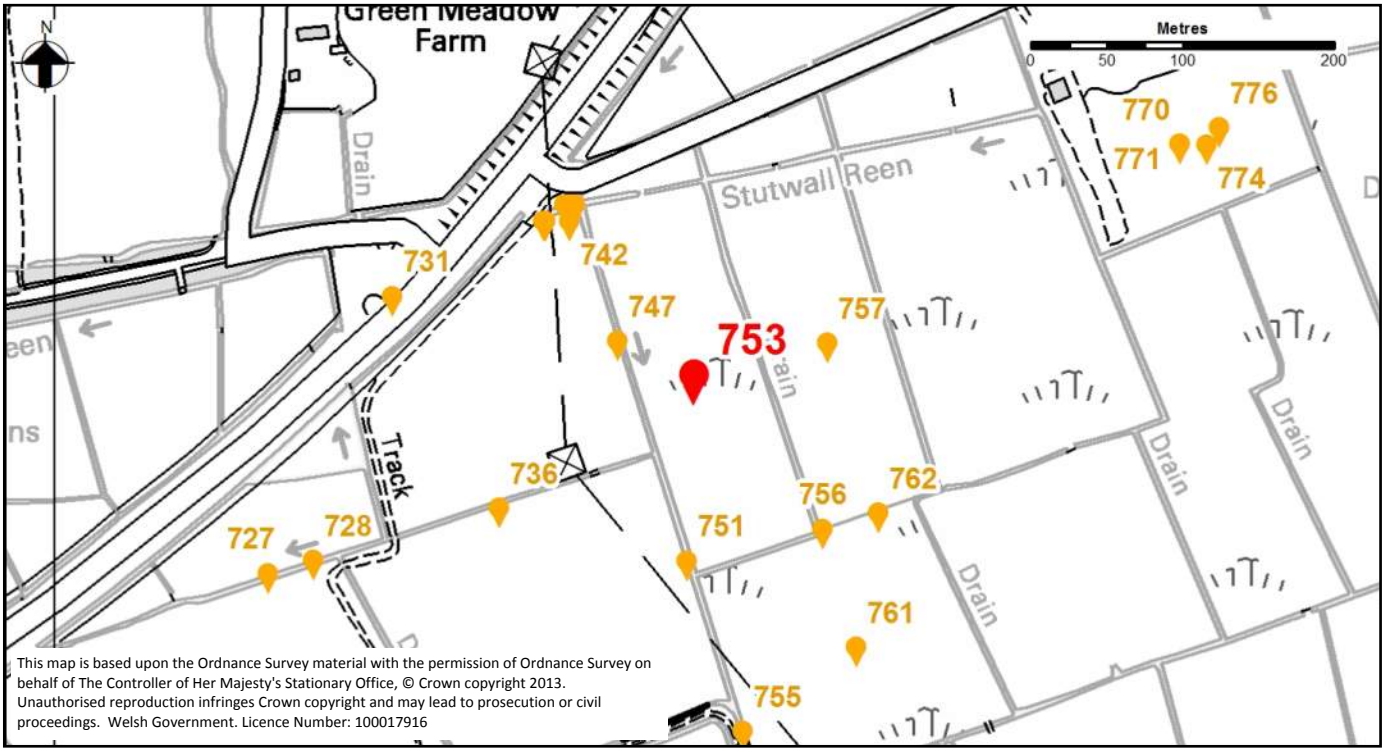

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	754	Date:	30-10-2014	GPS:	51.58, -2.85

Dominant Habitats:

Tall ruderal

Target Note:

Field unmanaged with creeping thistle, willowherb, docks, brambles , buttercups , clover

Potential for Protected Species:

Target Note Location Map:

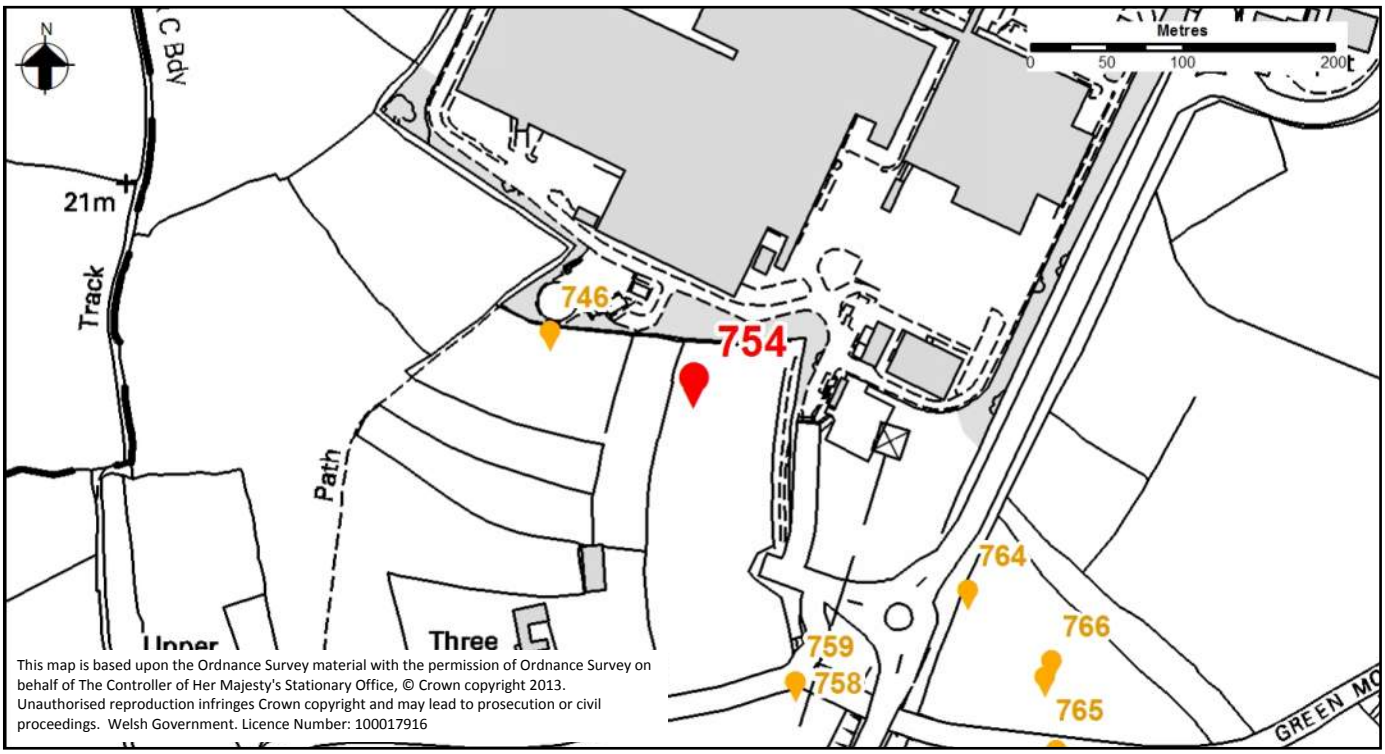

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	755	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Nettles and dock

Potential for Protected Species:

Target Note Location Map:

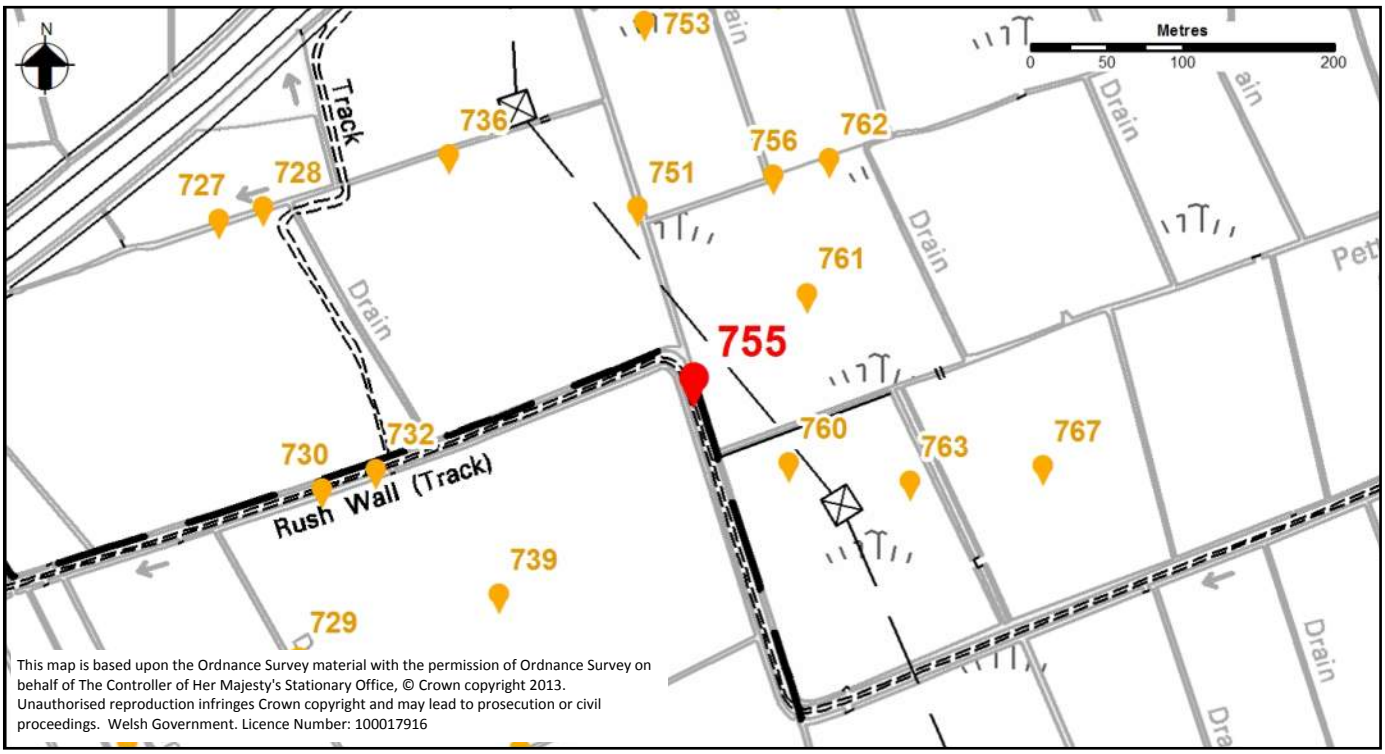

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	756	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Broad leaved woodland, small copse, white willow, oak, elder with understorey of bramble

Potential for Protected Species:

Target Note Location Map:

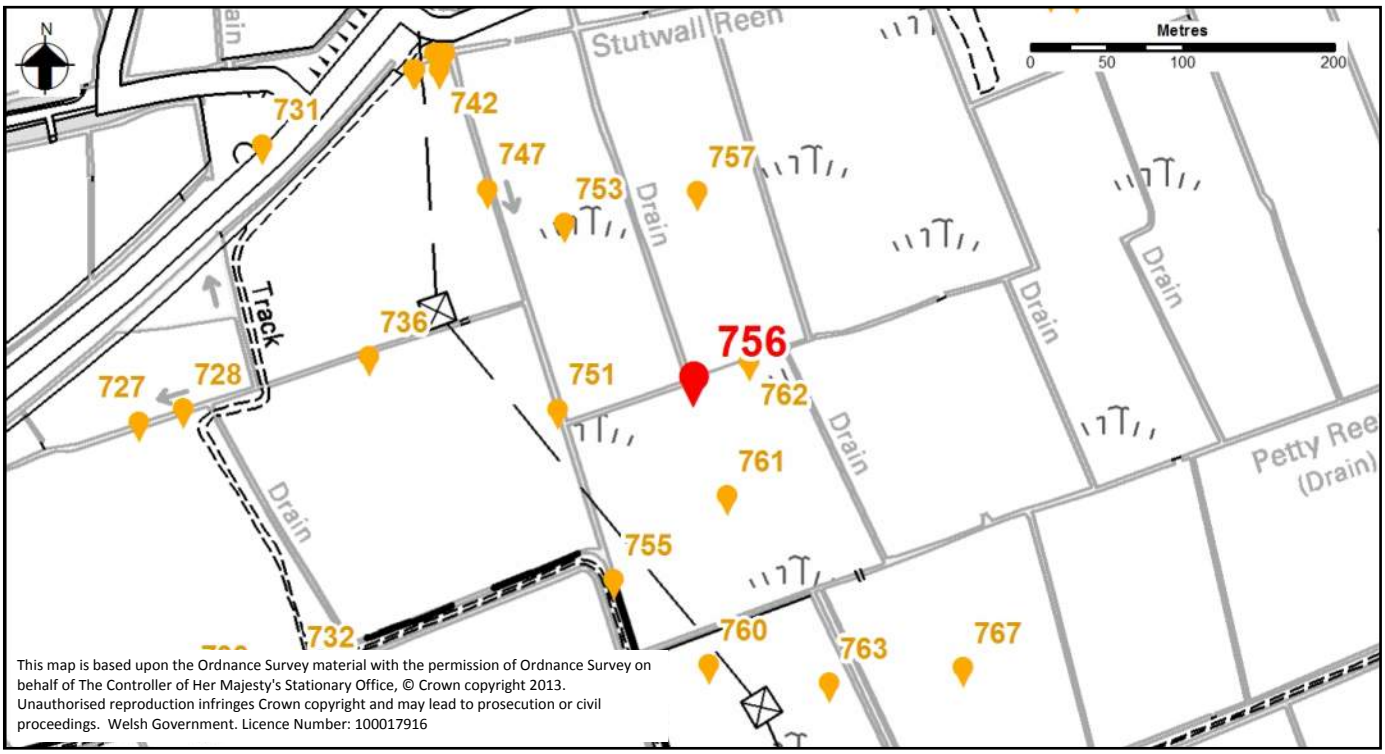

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	757	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Fen meadow / Marshy grassland / semi-improved field with drainage runnels.

Potential for Protected Species:

Target Note Location Map:

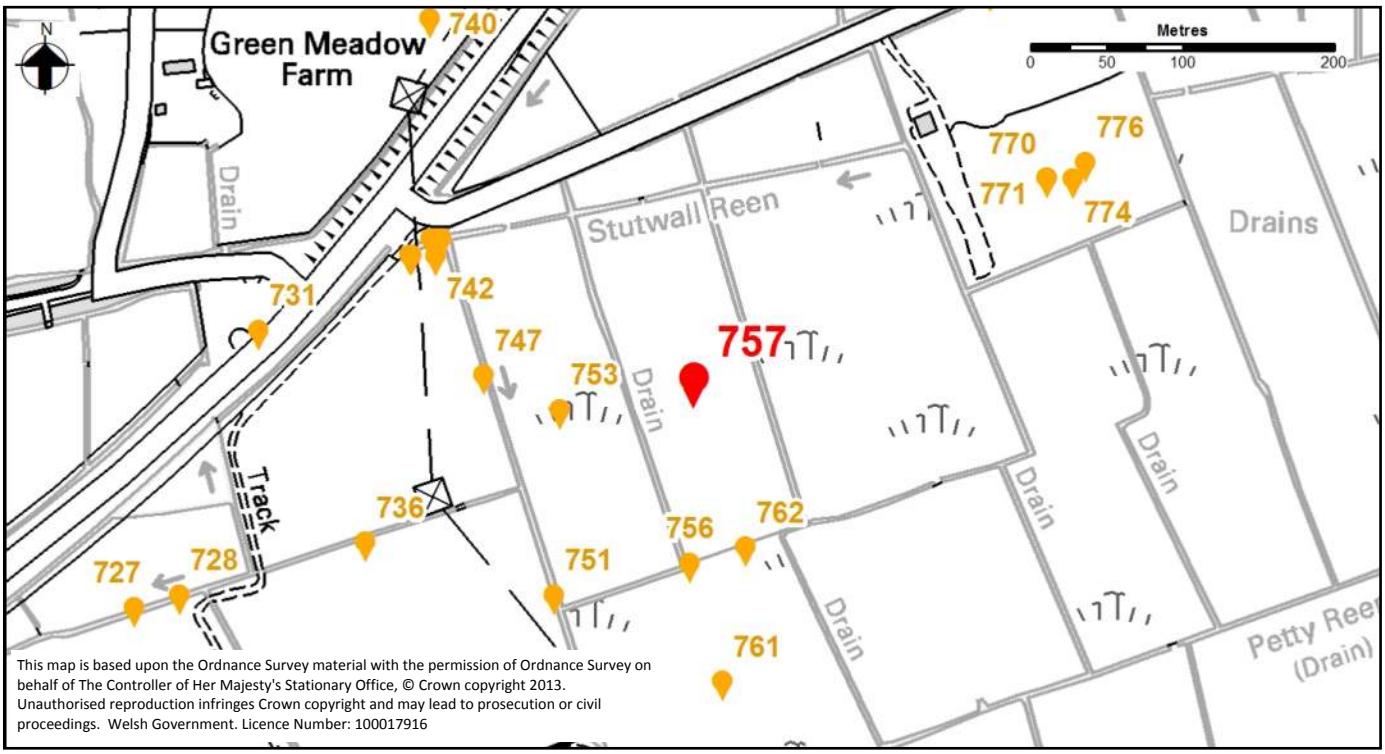

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	758	Date:	15-08-2014 15:57	GPS:	51.58, -2.85

Dominant Habitats:

Hedgerow

Target Note:

Some mammal pathways/tracks through into field from road

Potential for Protected Species:

Target Note Location Map:

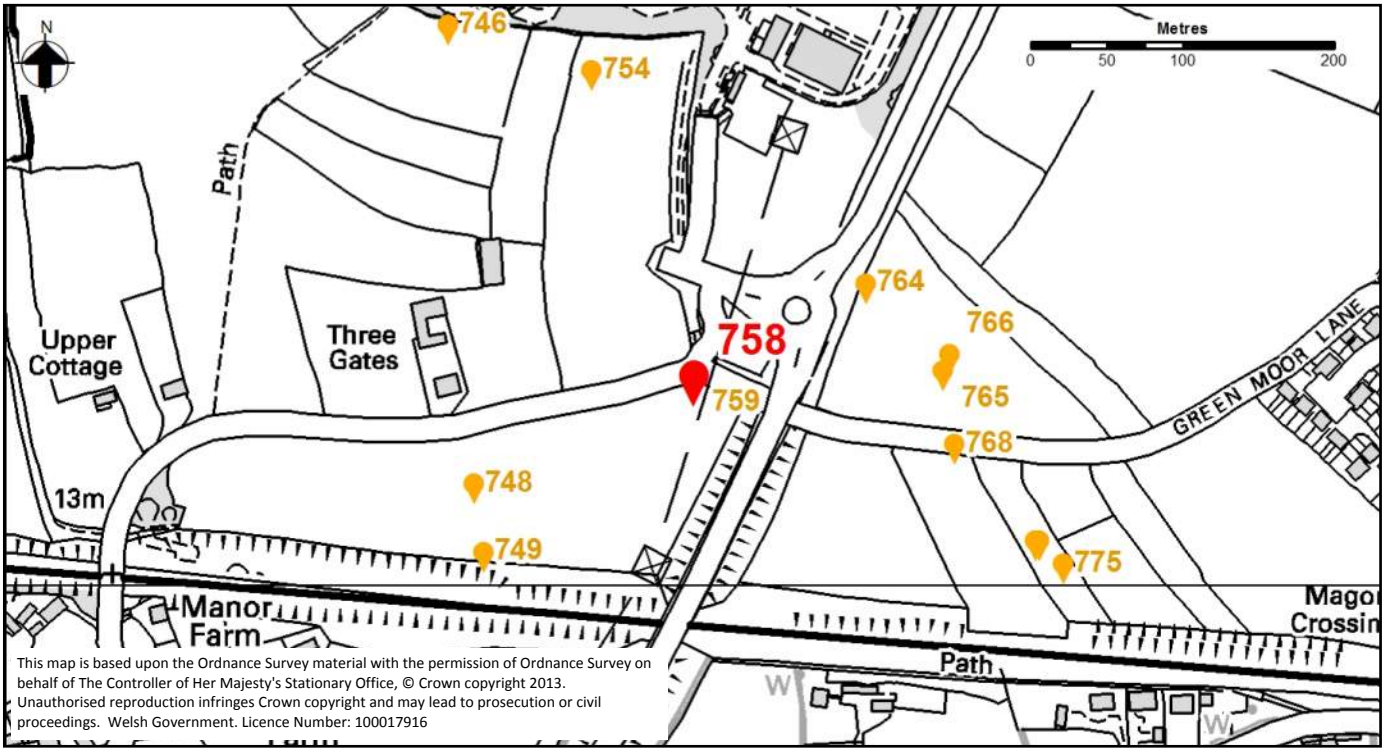

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	759	Date:	15-08-2014 15:57	GPS:	51.58, -2.85

Dominant Habitats:

Hedgerow

Target Note:

Some mammal pathways/tracks through into field from road

Potential for Protected Species:

Target Note Location Map:

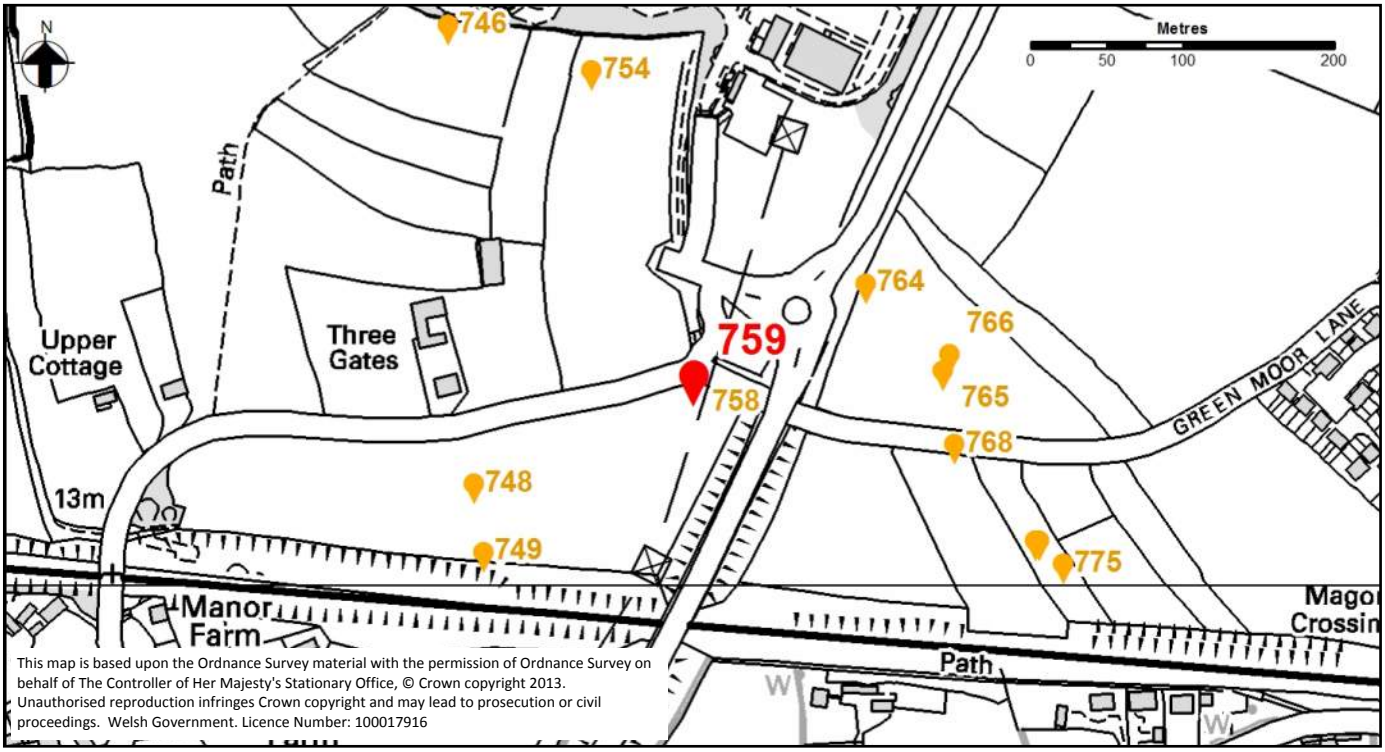

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	760	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Area dominated by greater pond sedge

Potential for Protected Species:

Target Note Location Map:

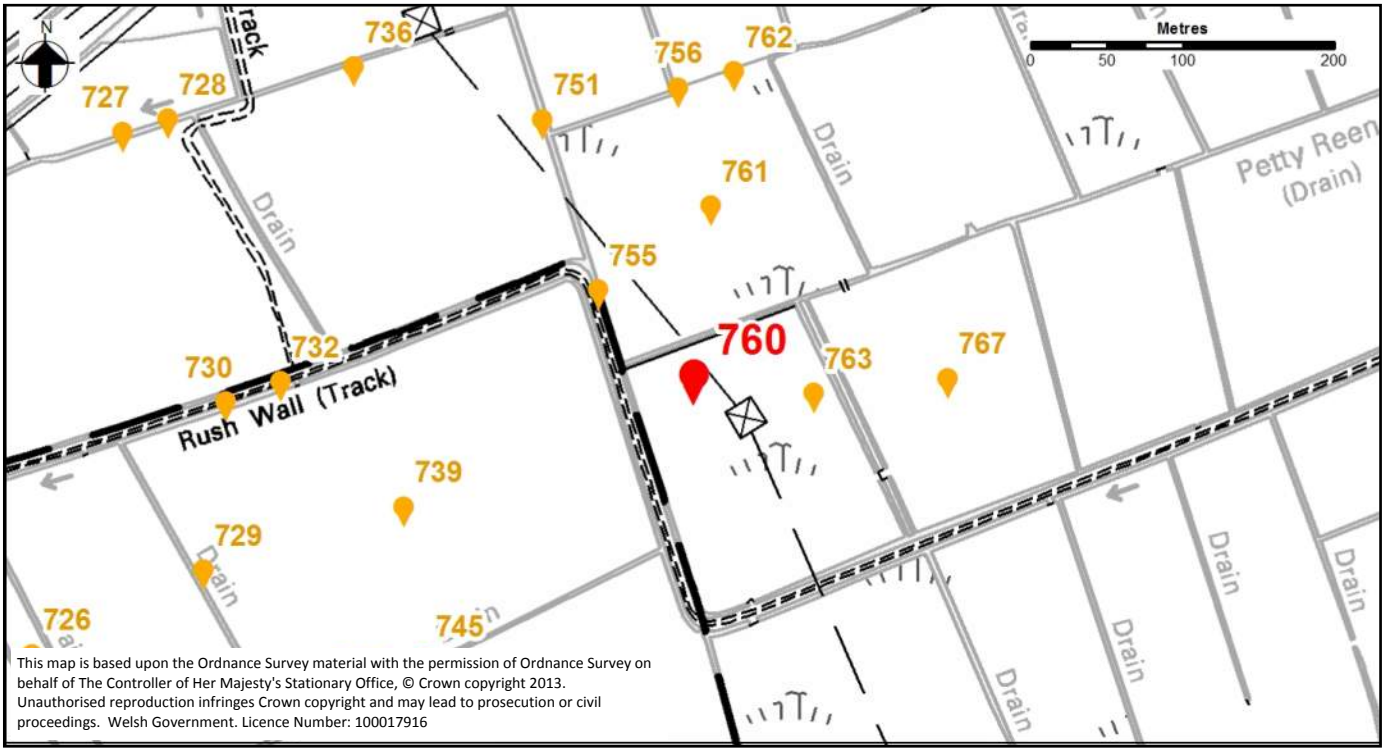

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	761	Date:		GPS:	51.57, -2.85

Dominant Habitats:

Target Note:

Fen meadow: similar to prior (adjacent) marshy grassland field with abundant forbs

Potential for Protected Species:

Target Note Location Map:

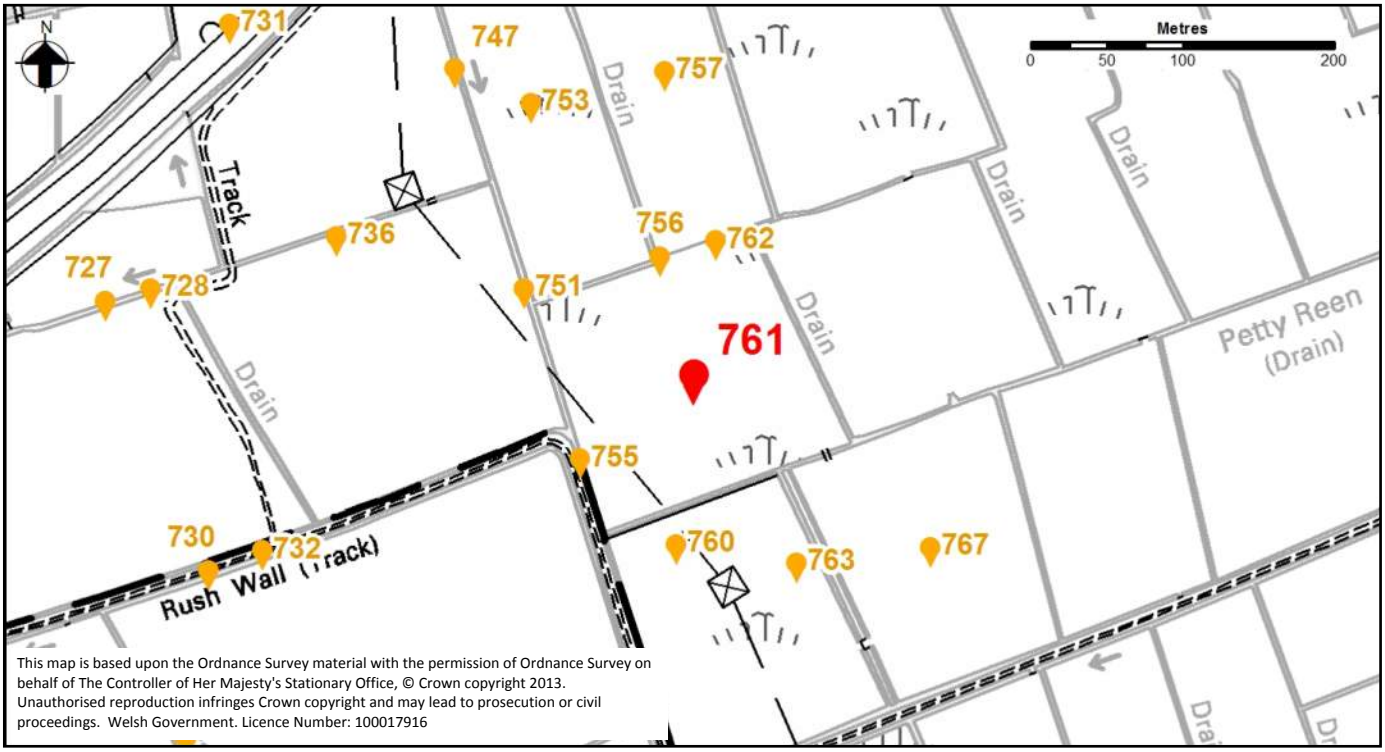

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	762	Date:		GPS:	51.57, -2.84

Dominant Habitats:

Target Note:

Area dominated by Juncus effusus

Potential for Protected Species:

Target Note Location Map:

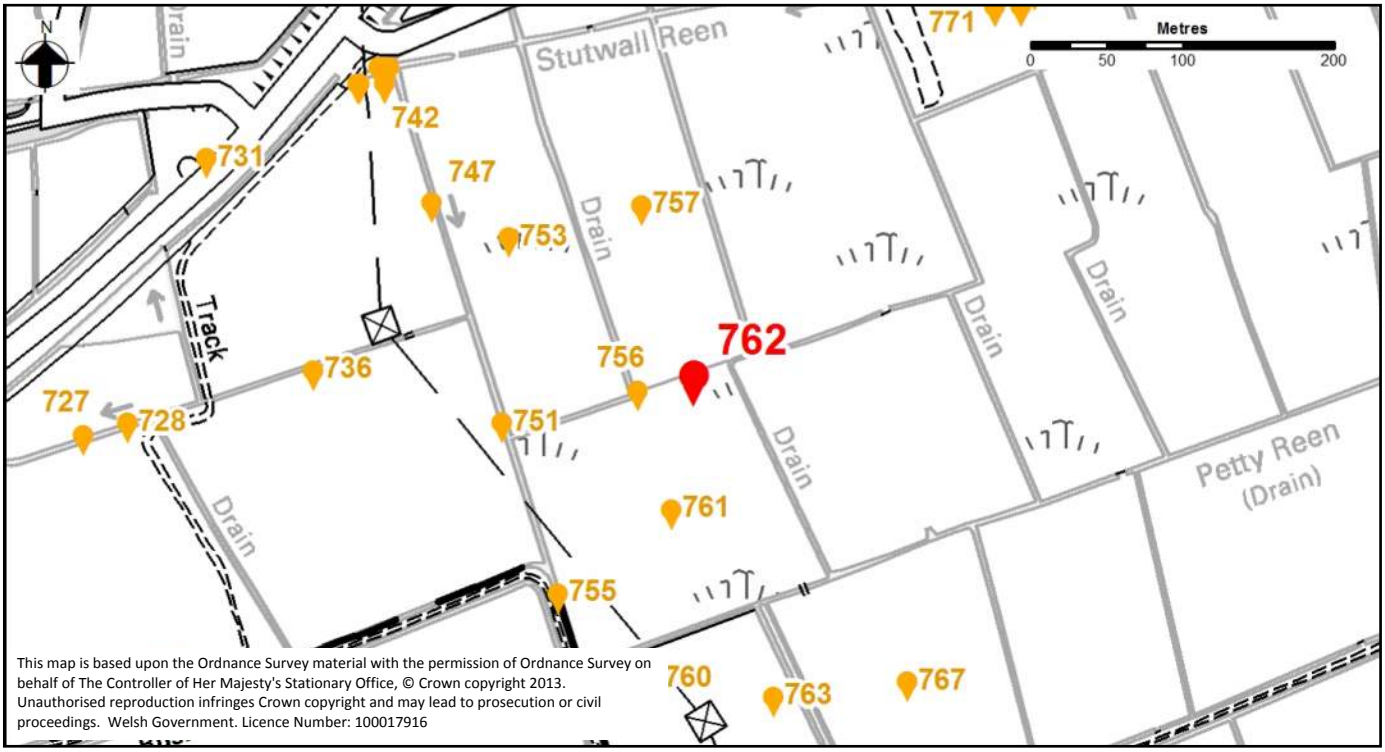

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	763	Date:		GPS:	51.57, -2.84

Dominant Habitats:

Target Note:

Broad leaved wet woodland (not plantation). Crack willow and hawthorn.

Potential for Protected Species:

Target Note Location Map:

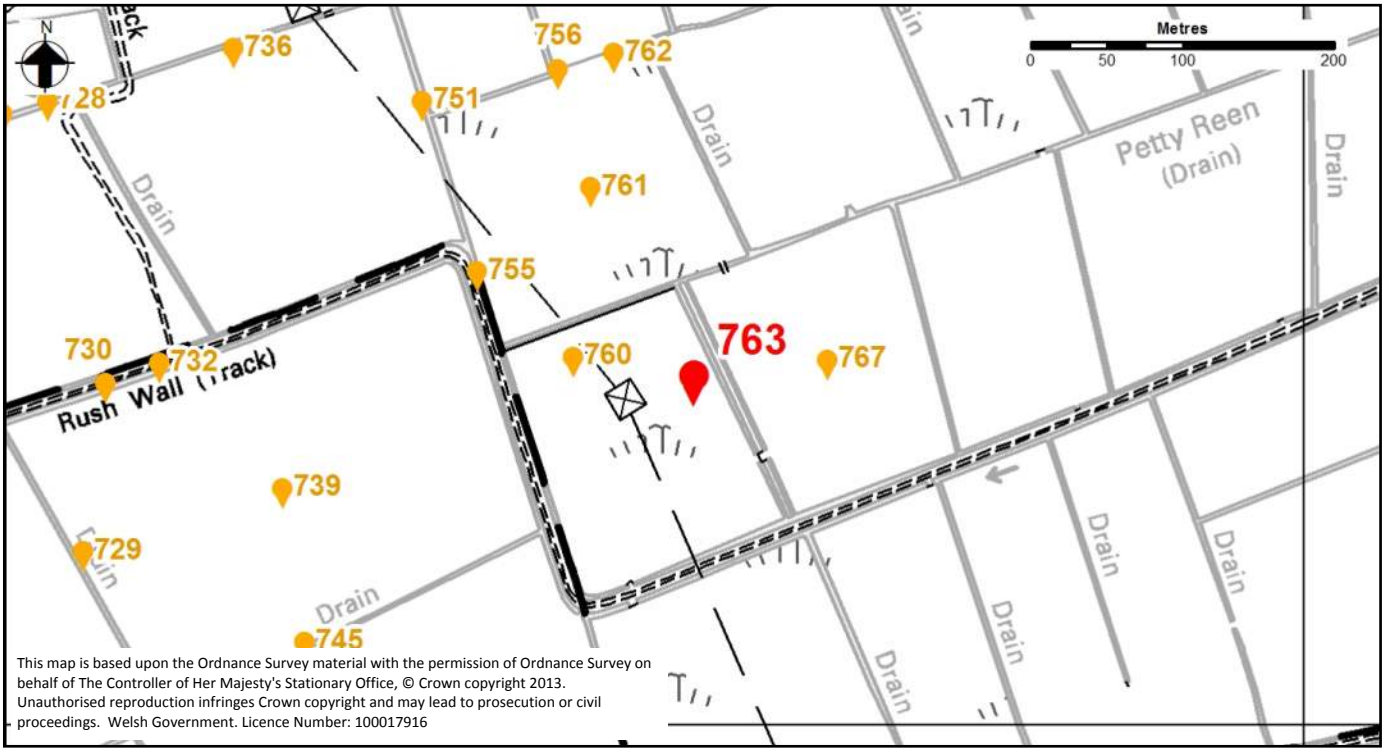

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	764	Date:	07-08-2014 15:15	GPS:	51.58, -2.84

Dominant Habitats:

Scrub

Target Note:

Mammal scrapes

Potential for Protected Species:

Target Note Location Map:

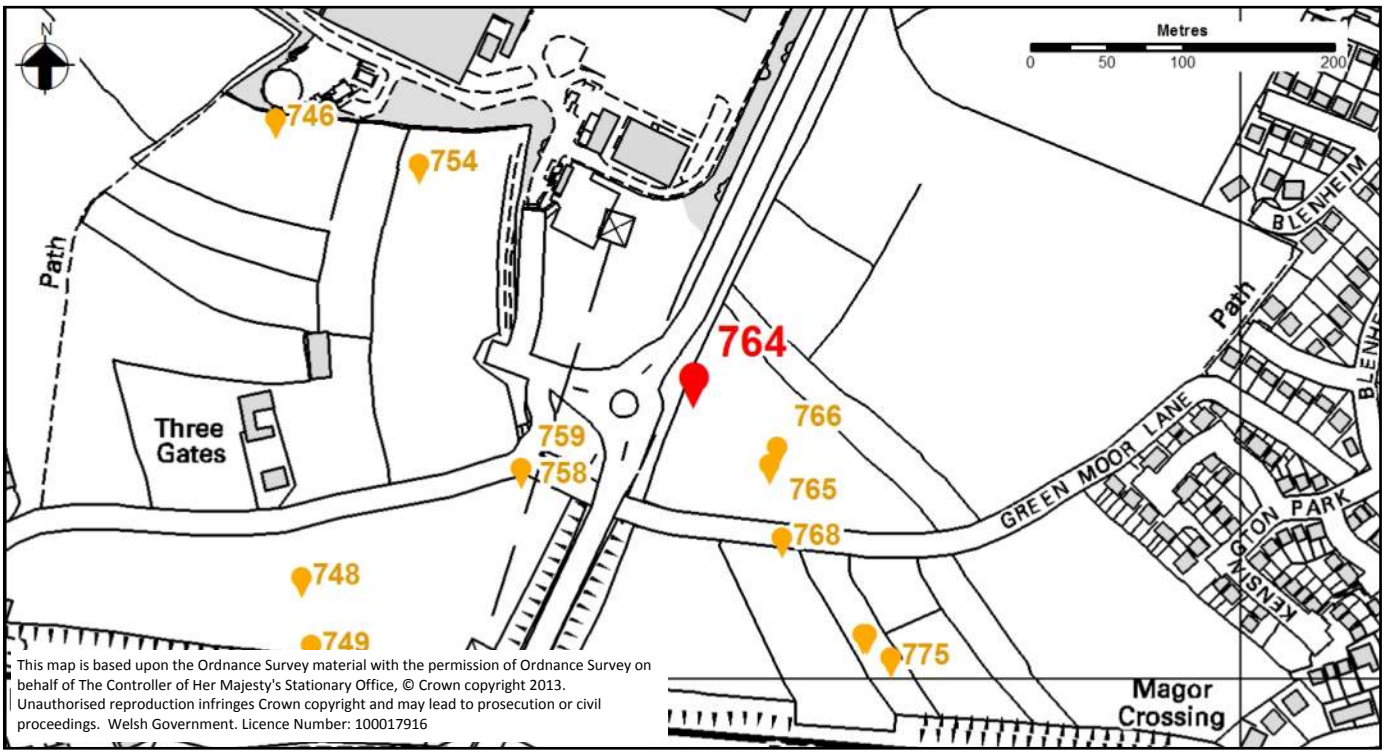

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	765	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Dock, white clover, creeping buttercup, creeping thistle, common nettle, red clover, yarrow, bracken

Potential for Protected Species:

Target Note Location Map:

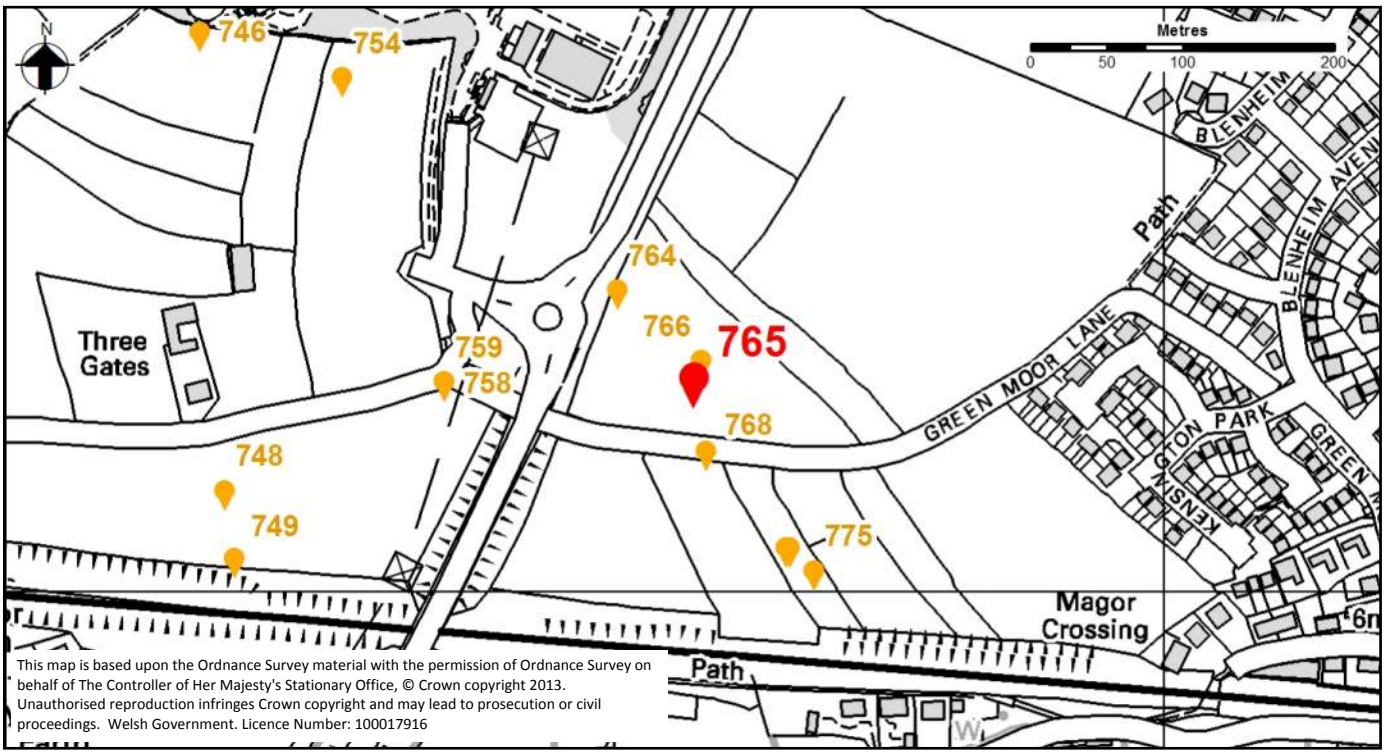

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	766	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Dock, white clover, creeping buttercup, creeping thistle, common nettle, red clover, yarrow, bracken

Potential for Protected Species:

Target Note Location Map:

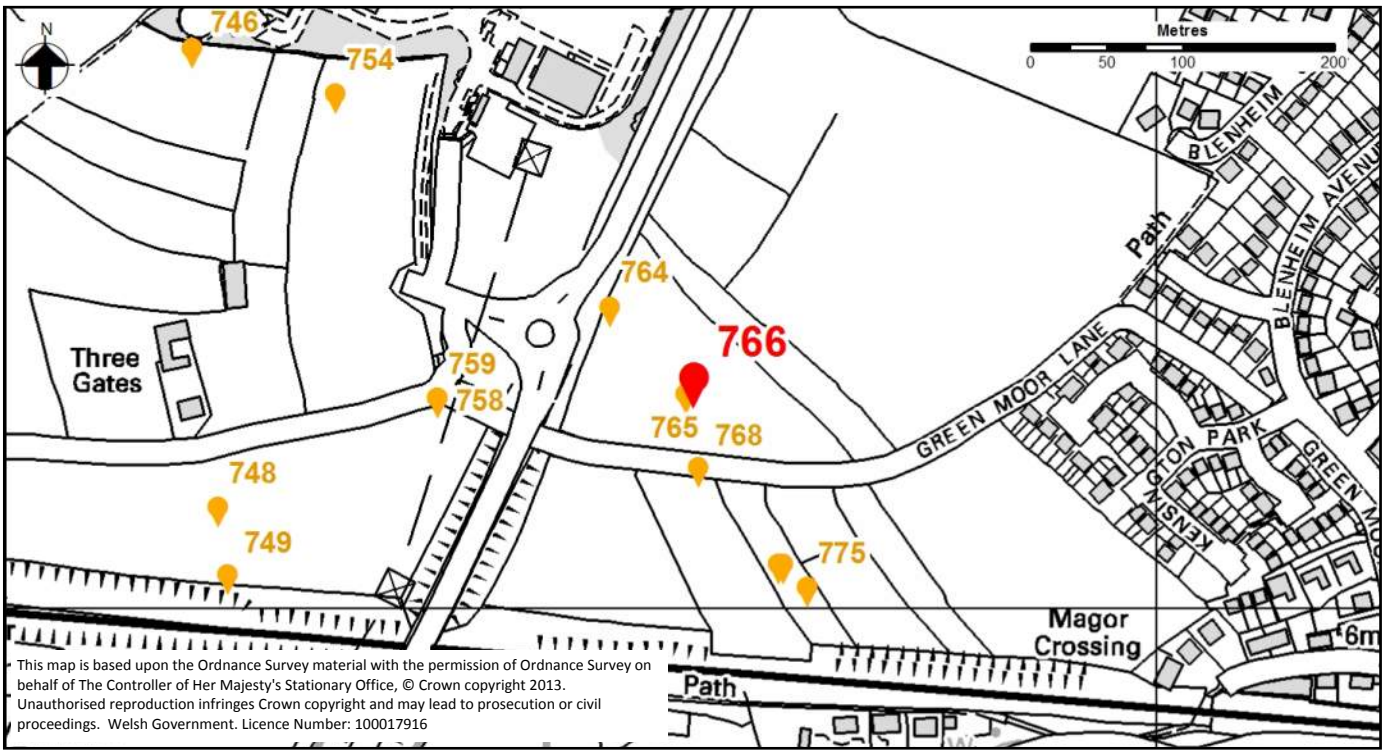

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	767	Date:		GPS:	51.57, -2.84

Dominant Habitats:

Target Note:

Soft rush and great willowherb dominated field with wet patches between / in hollows.

Potential for Protected Species:

Target Note Location Map:

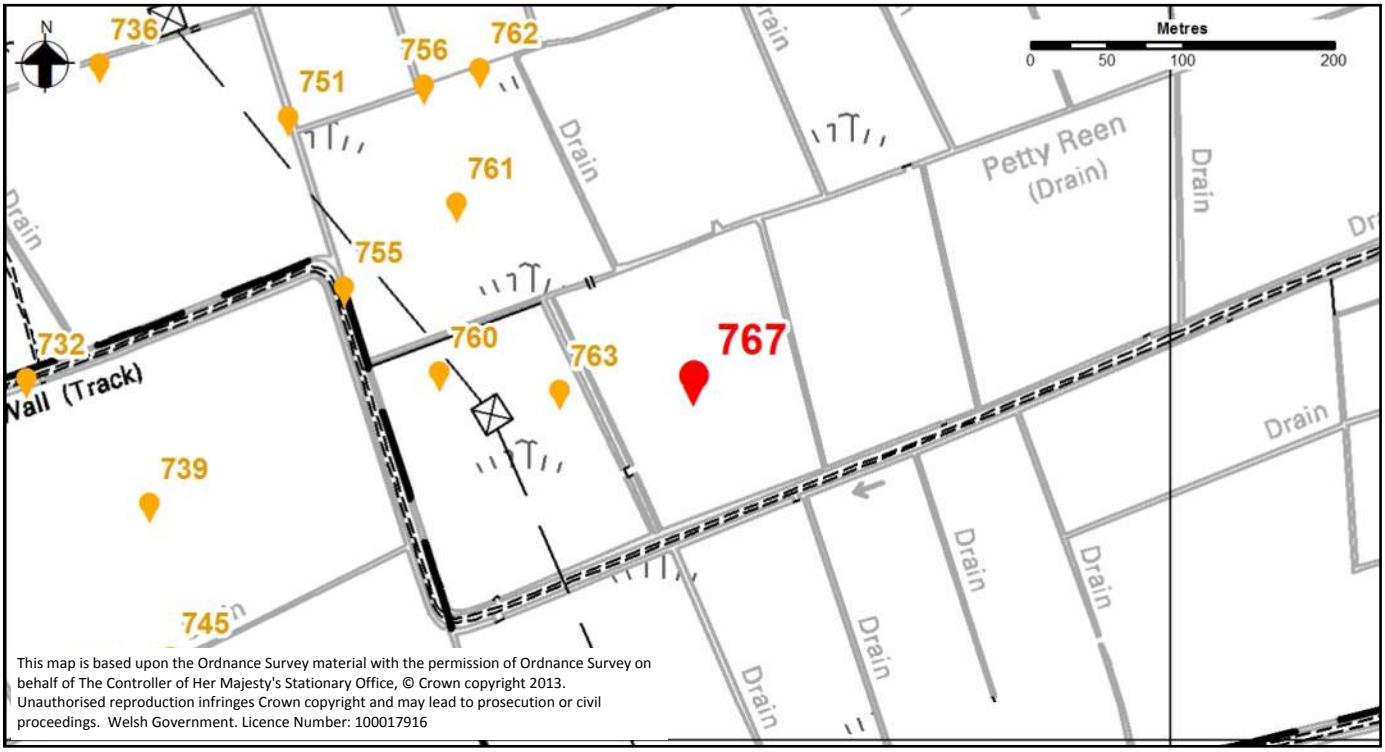

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	768	Date:	07-08-2014 15:27	GPS:	51.58, -2.84

Dominant Habitats:

Scrub

Target Note:

Mammal pathway under fence

Potential for Protected Species:

Target Note Location Map:

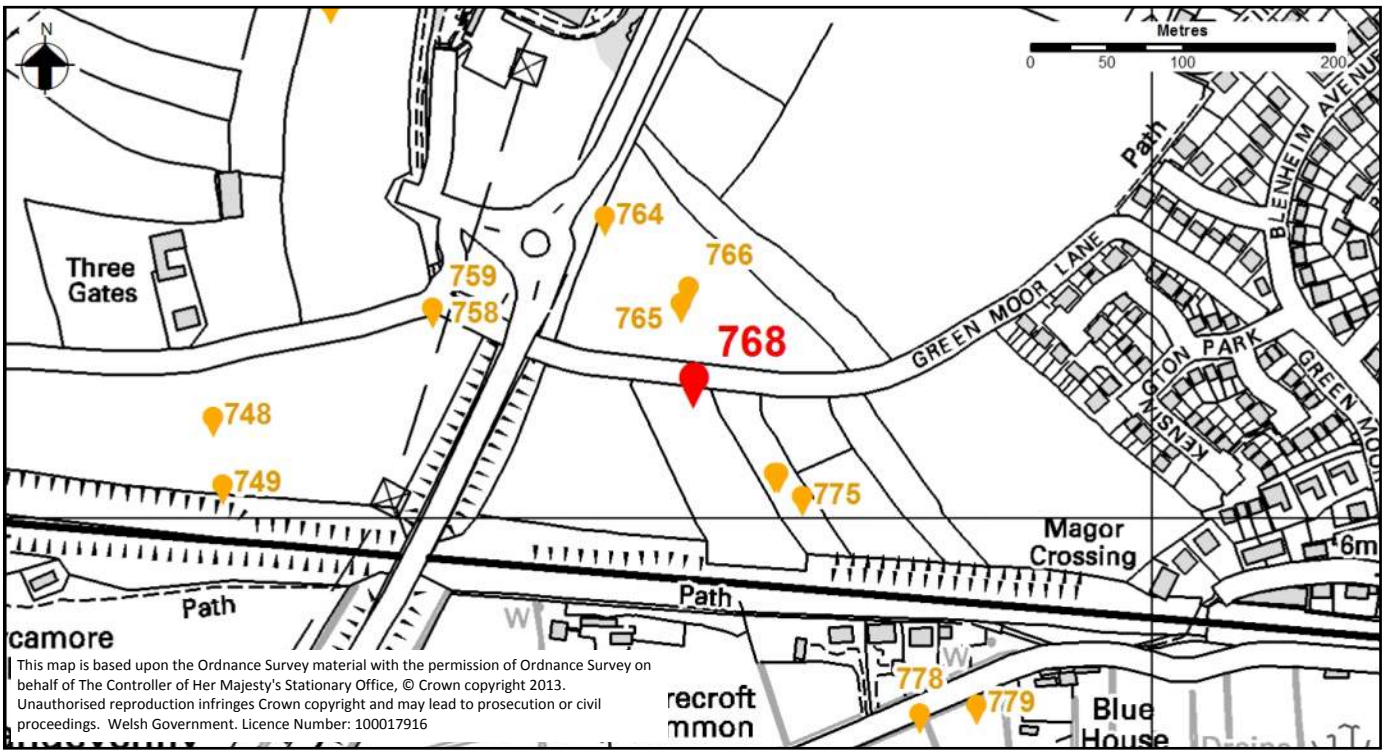

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	769	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Birch, ash, willow, blackthorn, sycamore, elder, oak.

Potential for Protected Species:

Target Note Location Map:

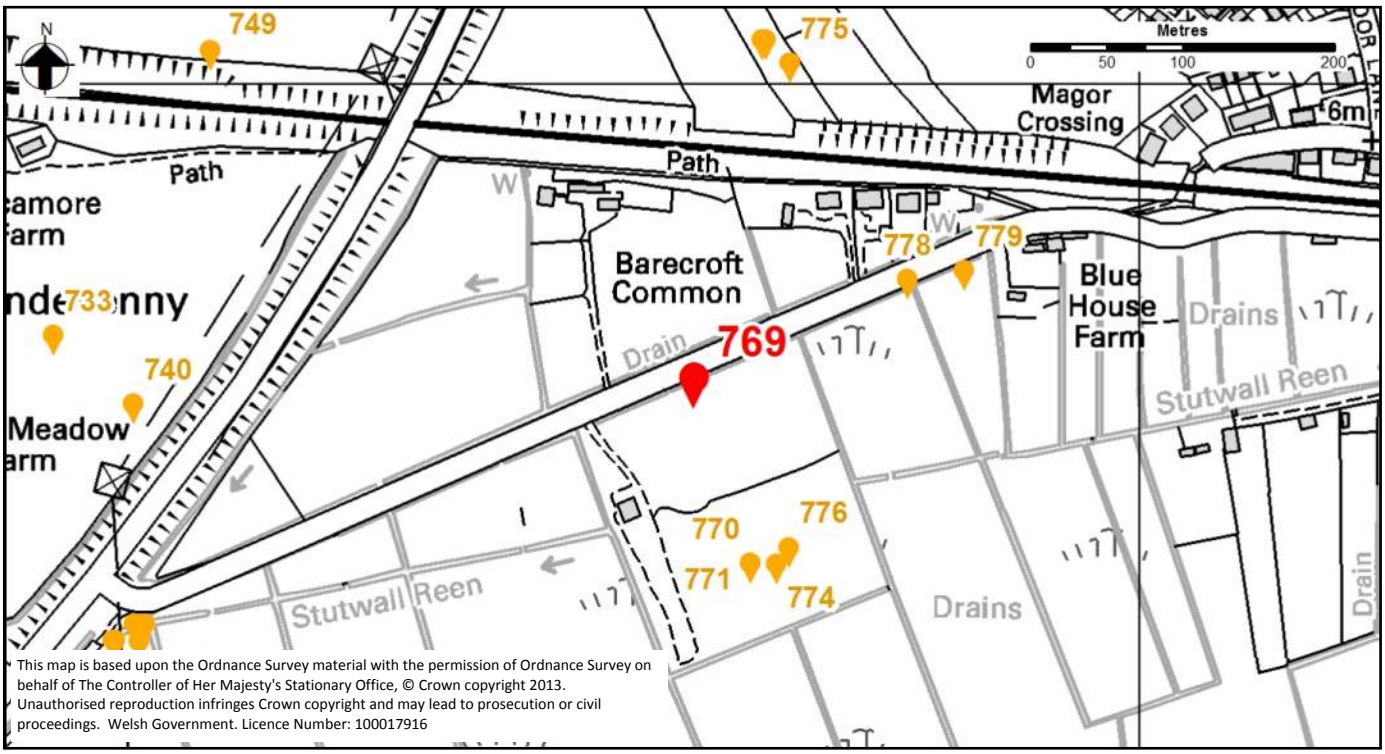

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	770	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Teasel, hogweed, silverweed, hemp agrimony, pineapple weed.

Potential for Protected Species:

Target Note Location Map:

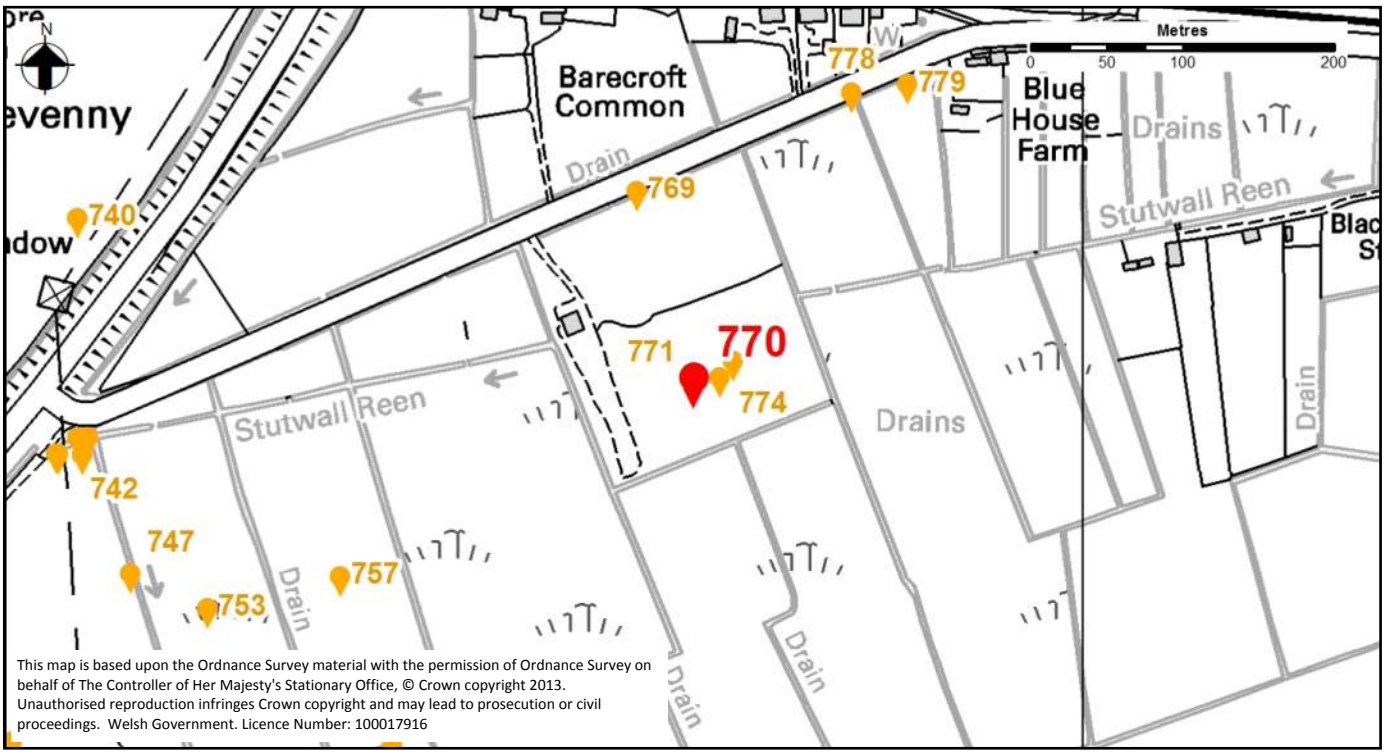

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	771	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Teasel, hogweed, silverweed, hemp agrimony, pineapple weed

Potential for Protected Species:

Target Note Location Map:

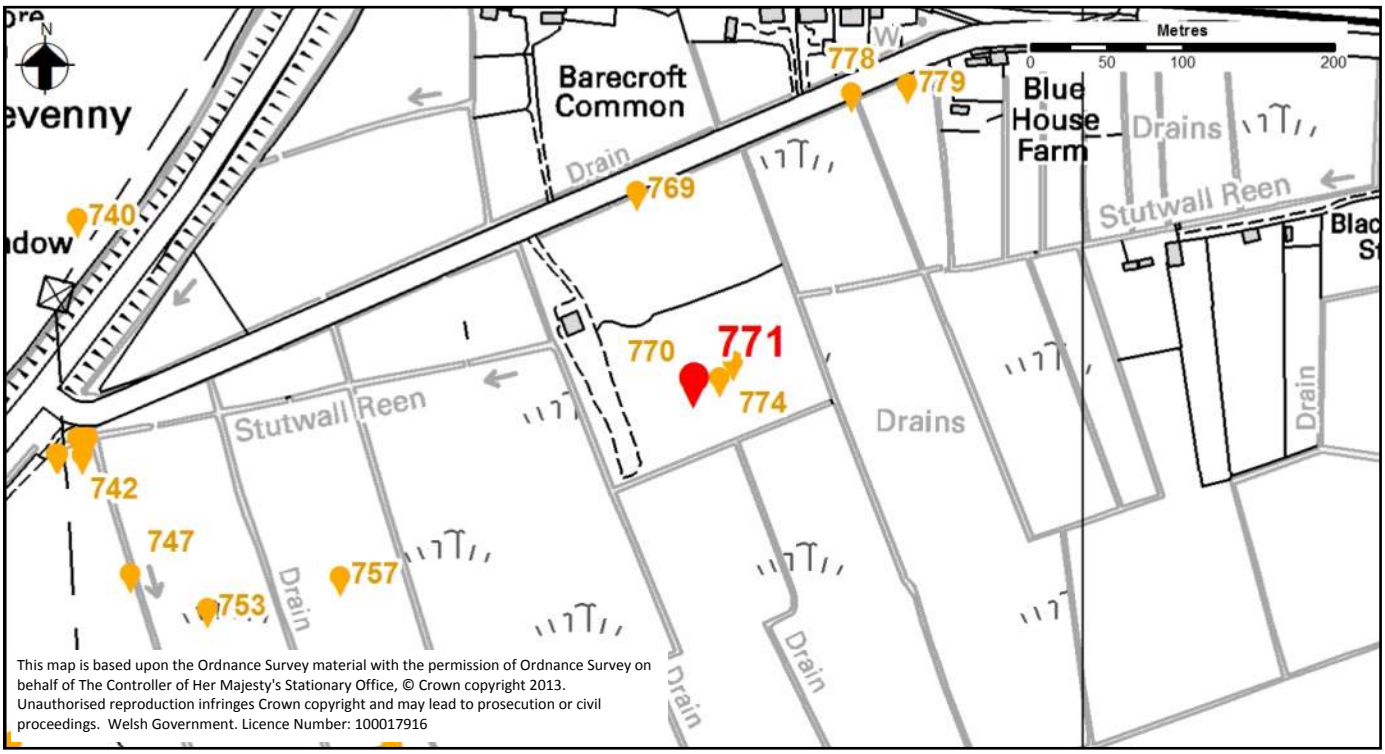

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	772	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, dock sp., red clover, creeping buttercup, ragwort

Potential for Protected Species:

Target Note Location Map:

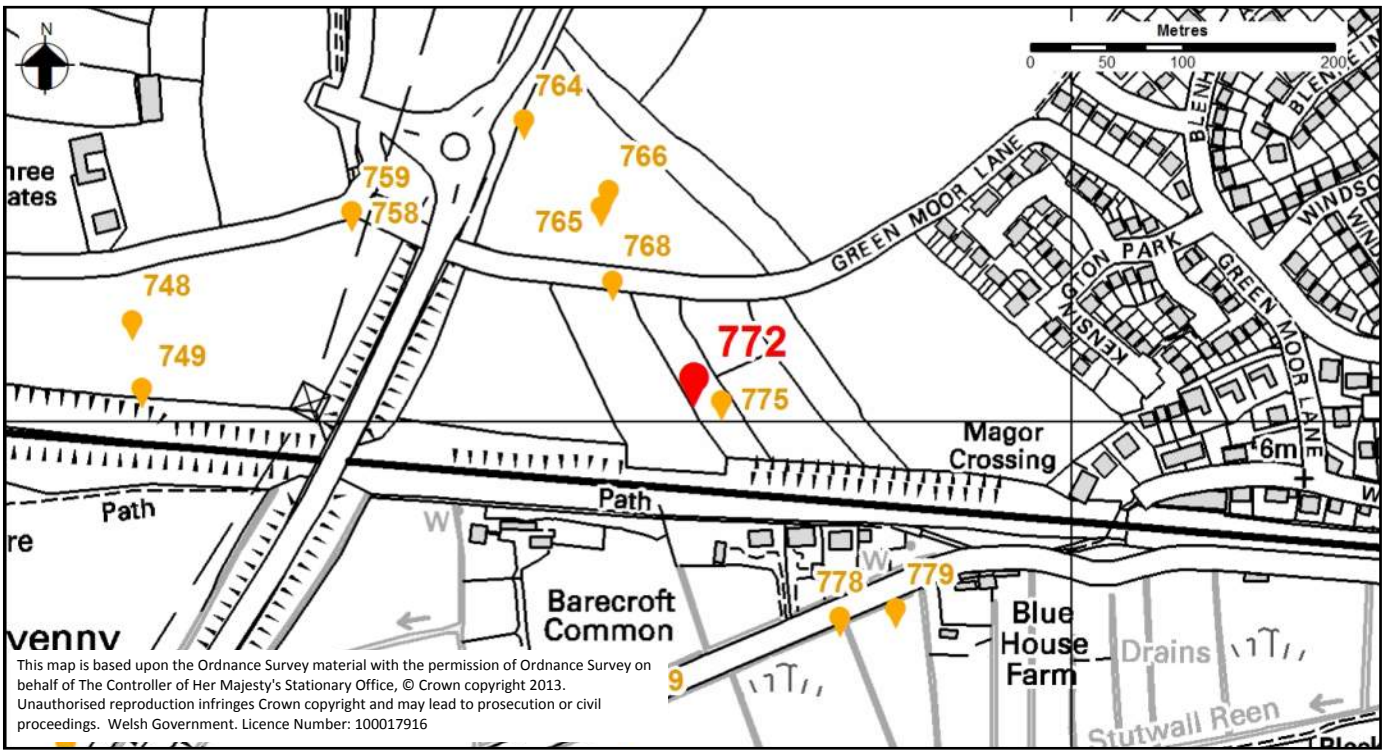

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	773	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Meadow buttercup, white clover, dock sp., red clover, creeping buttercup, ragwort, buttercup sp.

Potential for Protected Species:

Target Note Location Map:

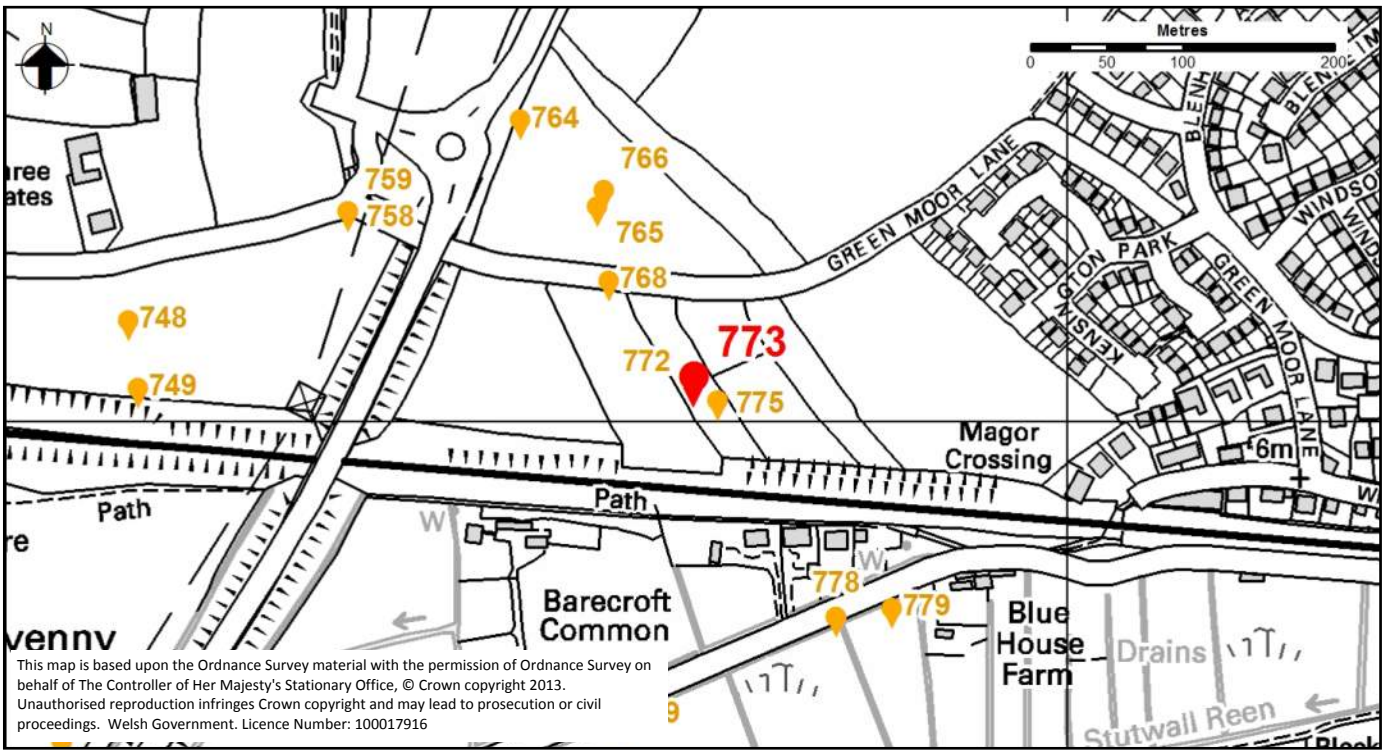

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	774	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Bramble, teasel, willowherb, ragwort, hedge bindweed, bush vetch, mare's tail.

Potential for Protected Species:

Target Note Location Map:

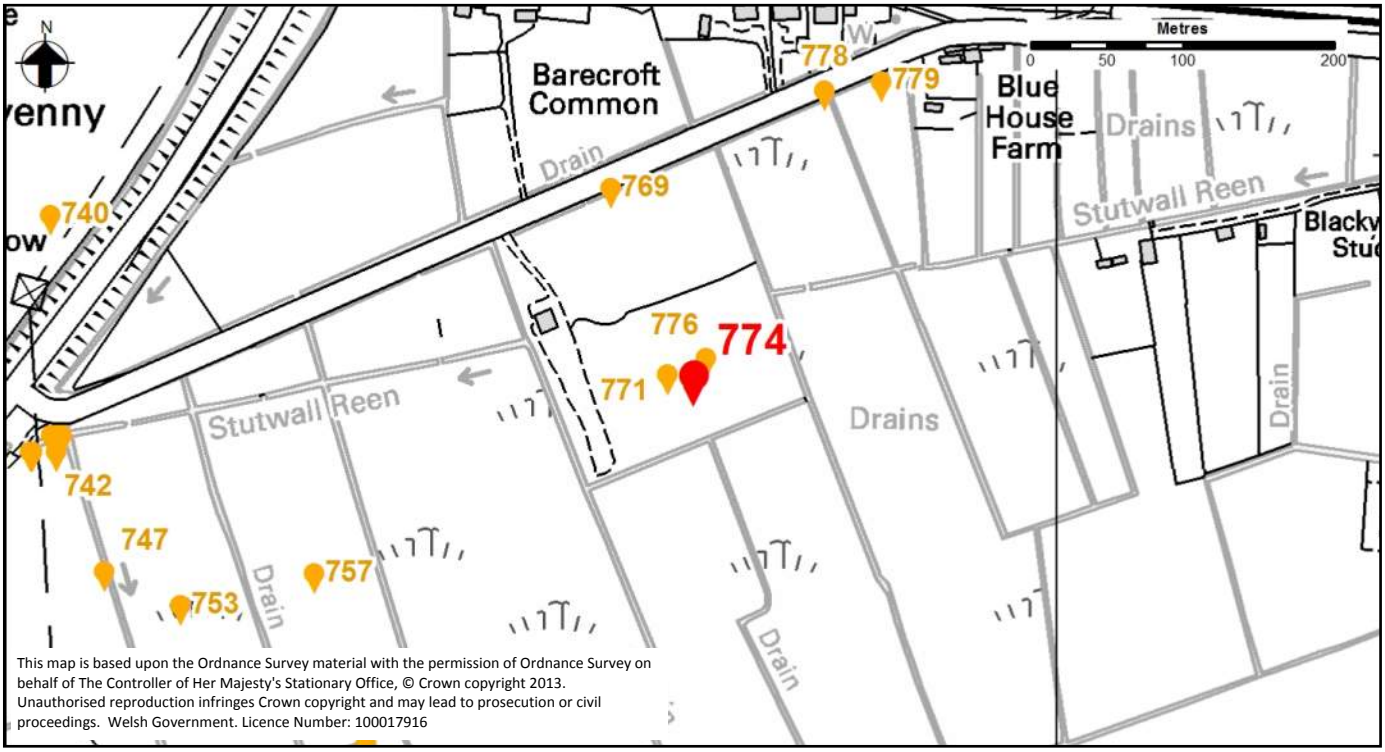

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	775	Date:	07-08-2014 14:47	GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Possible mammal activity showing series of scratches and holes. Possibly empty latrines.

Potential for Protected Species:

Badger

Target Note Location Map:

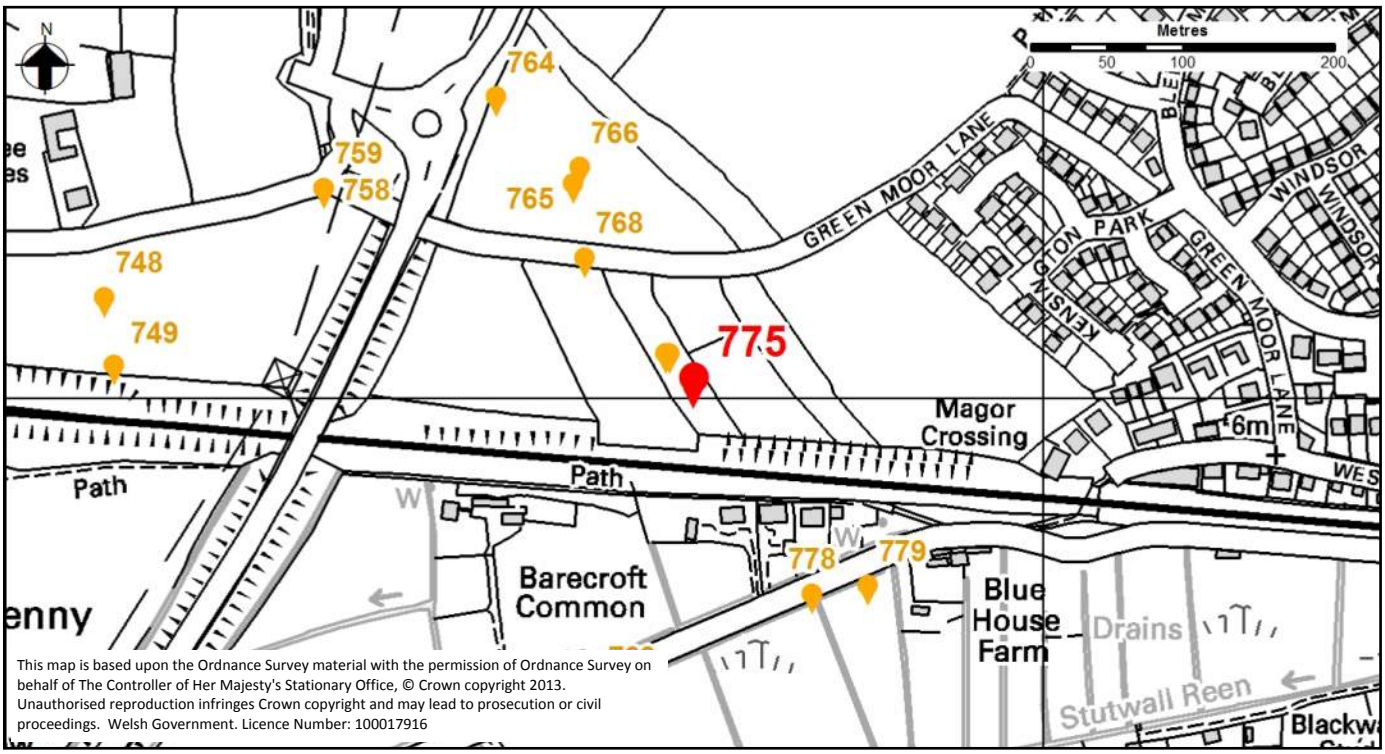

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	776	Date:		GPS:	51.58, -2.84

Dominant Habitats:

Target Note:

Bramble, teasel, willowherb, ragwort, hedge bindweed, bush vetch, mare's tail.

Potential for Protected Species:

Target Note Location Map:

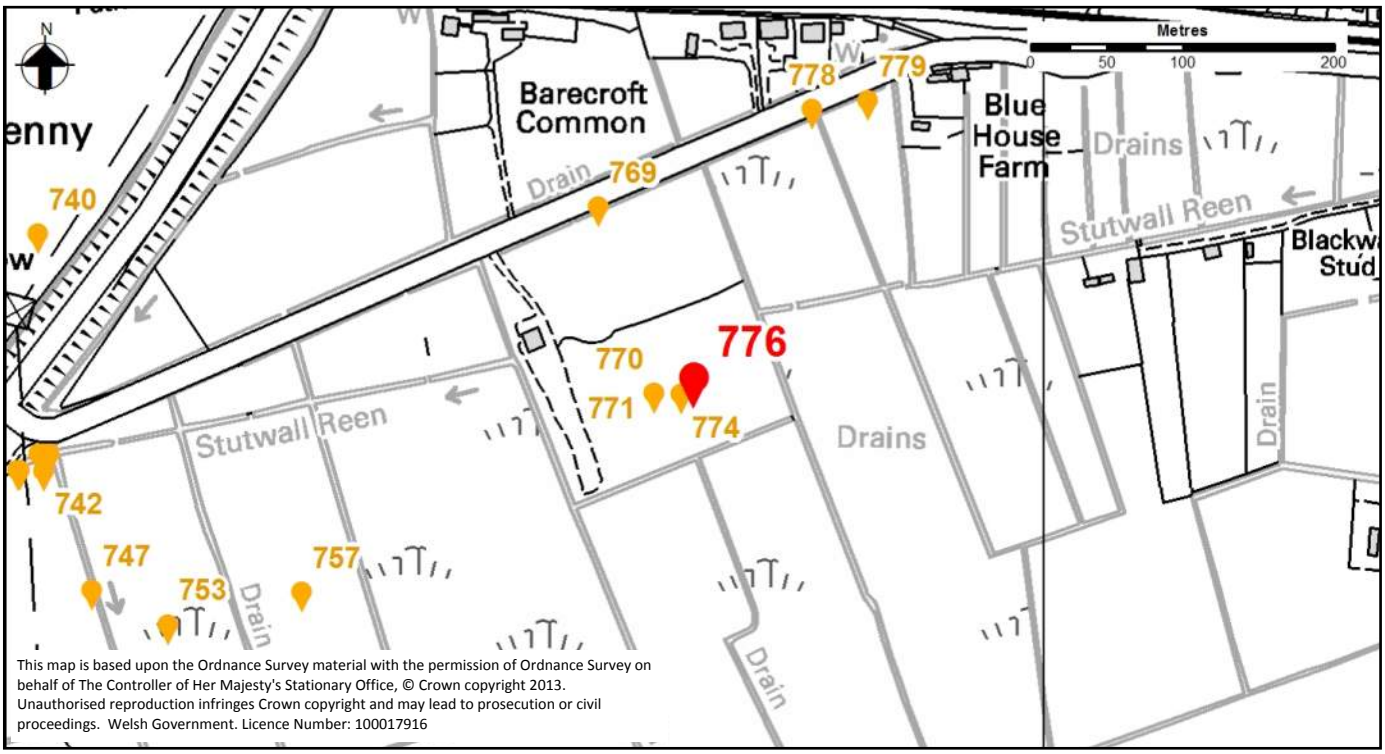

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	777	Date:	30-10-2014	GPS:	51.58, -2.84

Dominant Habitats:

Plantation woodland

Potential for Protected Species:

Badger

Target Note:

Woodland planted as landscaping of brewery but may have been planted on an older area of woodland. Lots of hazel coppice stools and large trees. Disused badger sett.

Target Note Location Map:

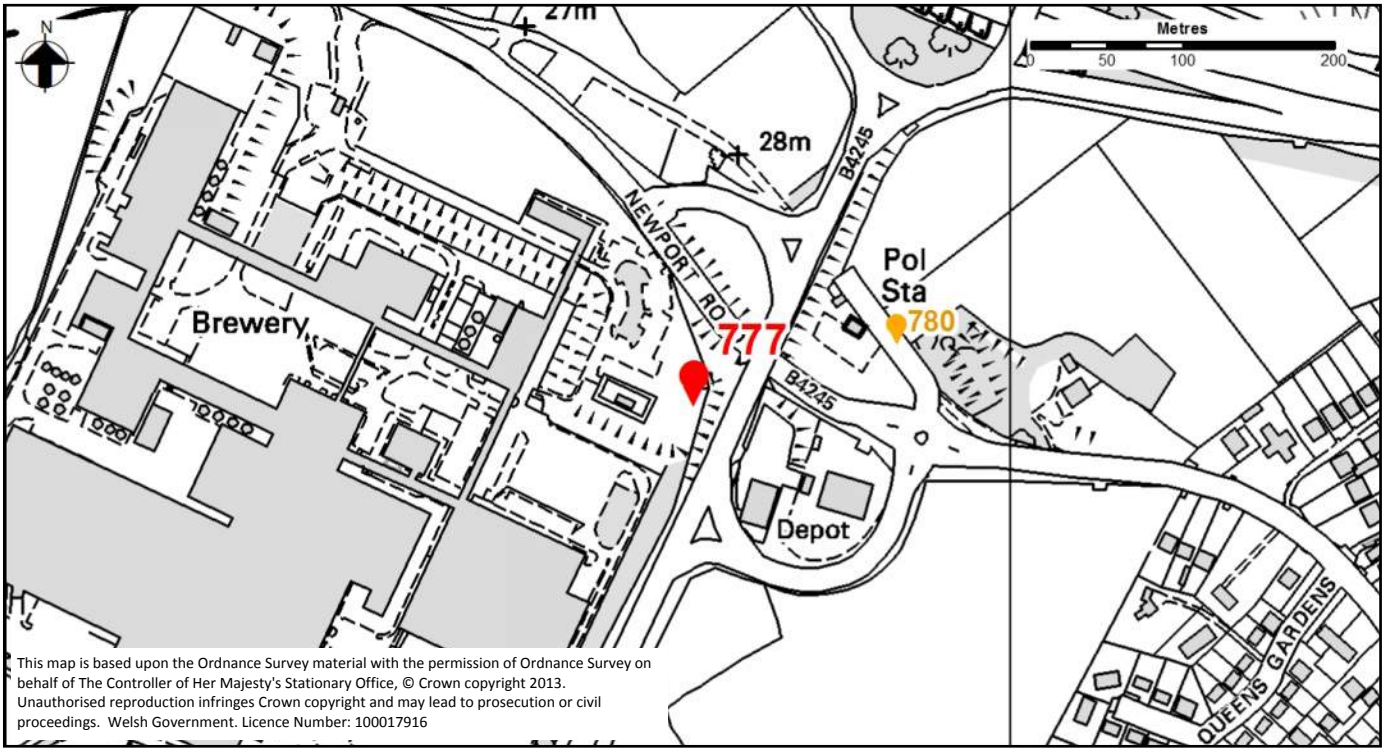

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	778	Date:	23-10-2014	GPS:	51.58, -2.84

Dominant Habitats:

Grazing

Target Note:

Reptile hibernacular

Potential for Protected Species:

Reptiles

Target Note Location Map:

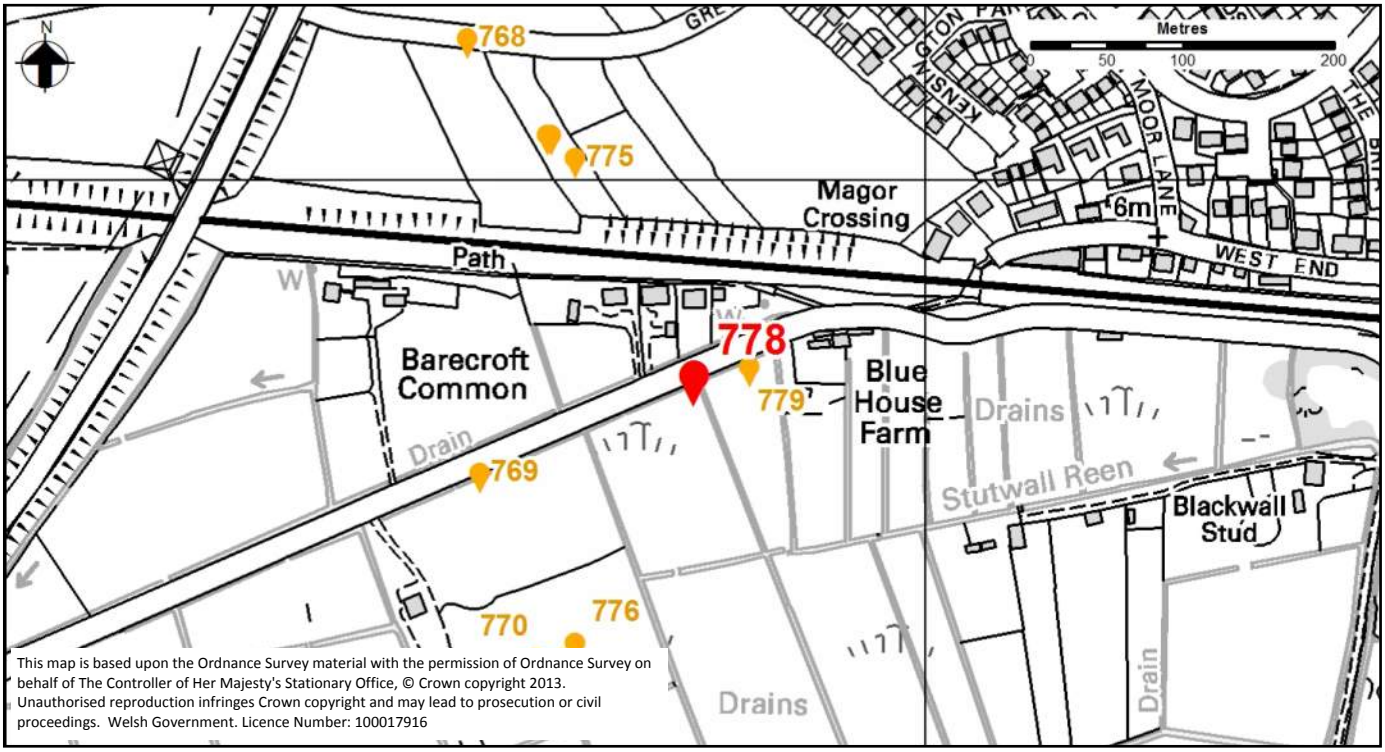

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	779	Date:	23-10-2014	GPS:	51.58, -2.84

Dominant Habitats:

Grazing

Target Note:

Reptile hibernacular

Potential for Protected Species:

Reptiles

Target Note Location Map:

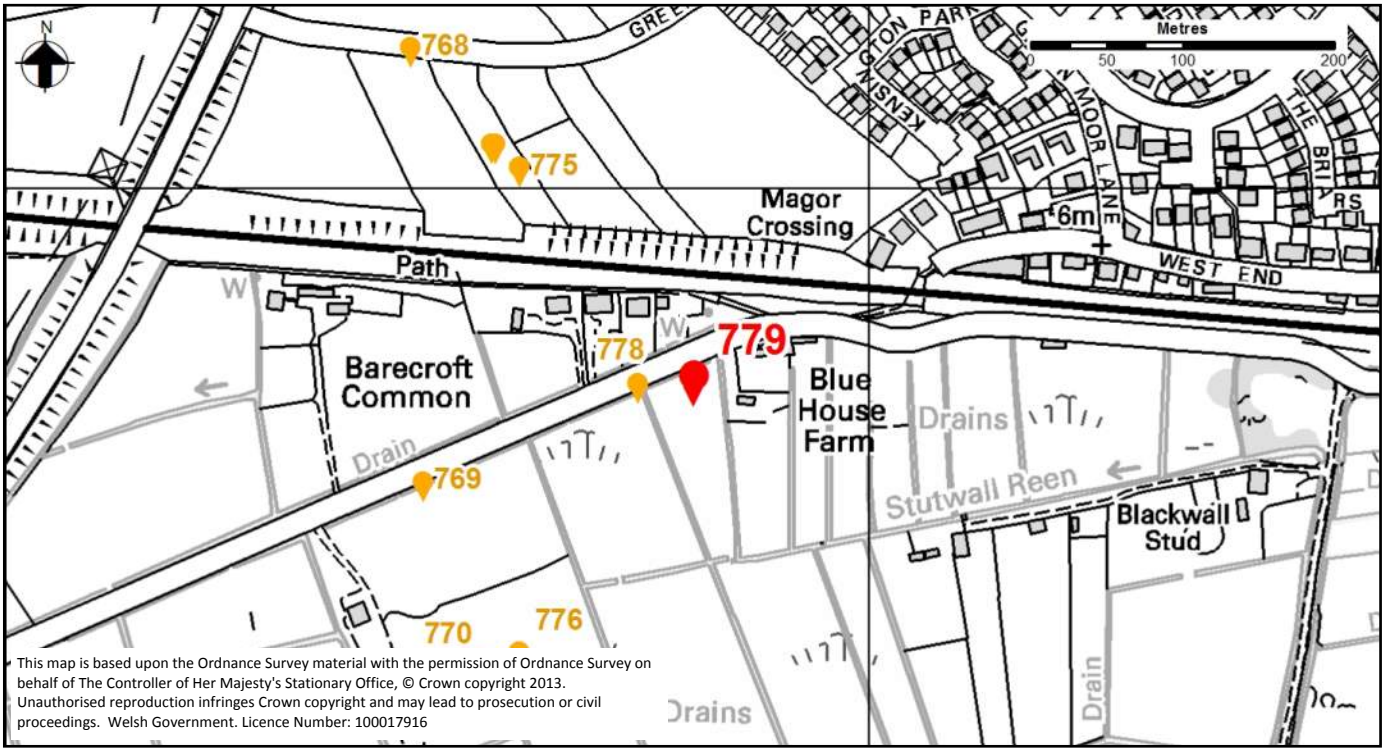

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	780	Date:	12-09-2014	GPS:	51.58, -2.84

Dominant Habitats:

Arable

Potential for Protected Species:

Badger

Target Note:

Badger excrement in two locations

Target Note Location Map:

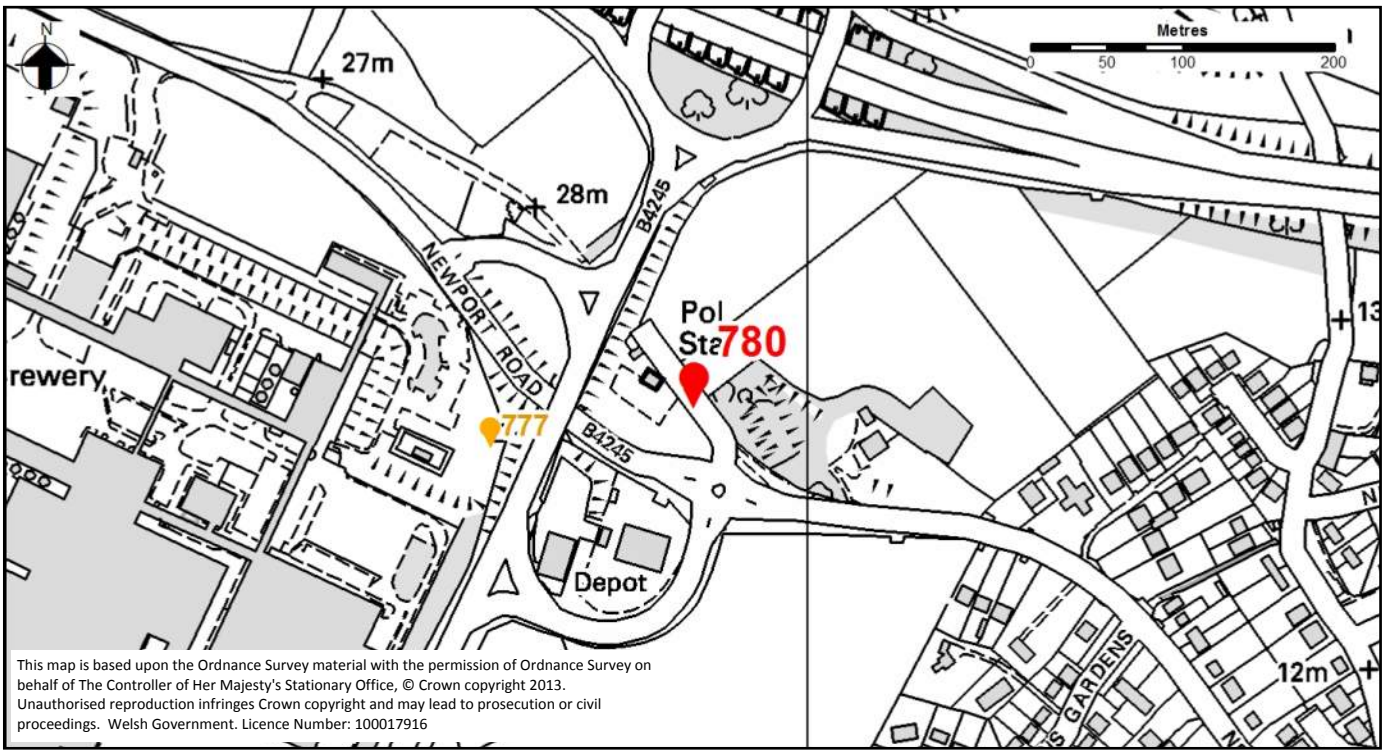

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	782	Date:	09-05-2014	GPS:	51.59, -2.83

Dominant Habitats:

Improved grassland

Target Note:

Steep bank within improved field. Not reseeded but purple moor grass encroached. Other species remaining include vetches, bluebell, goats beard.

Potential for Protected Species:

Flora e.g. bluebell

Target Note Location Map:

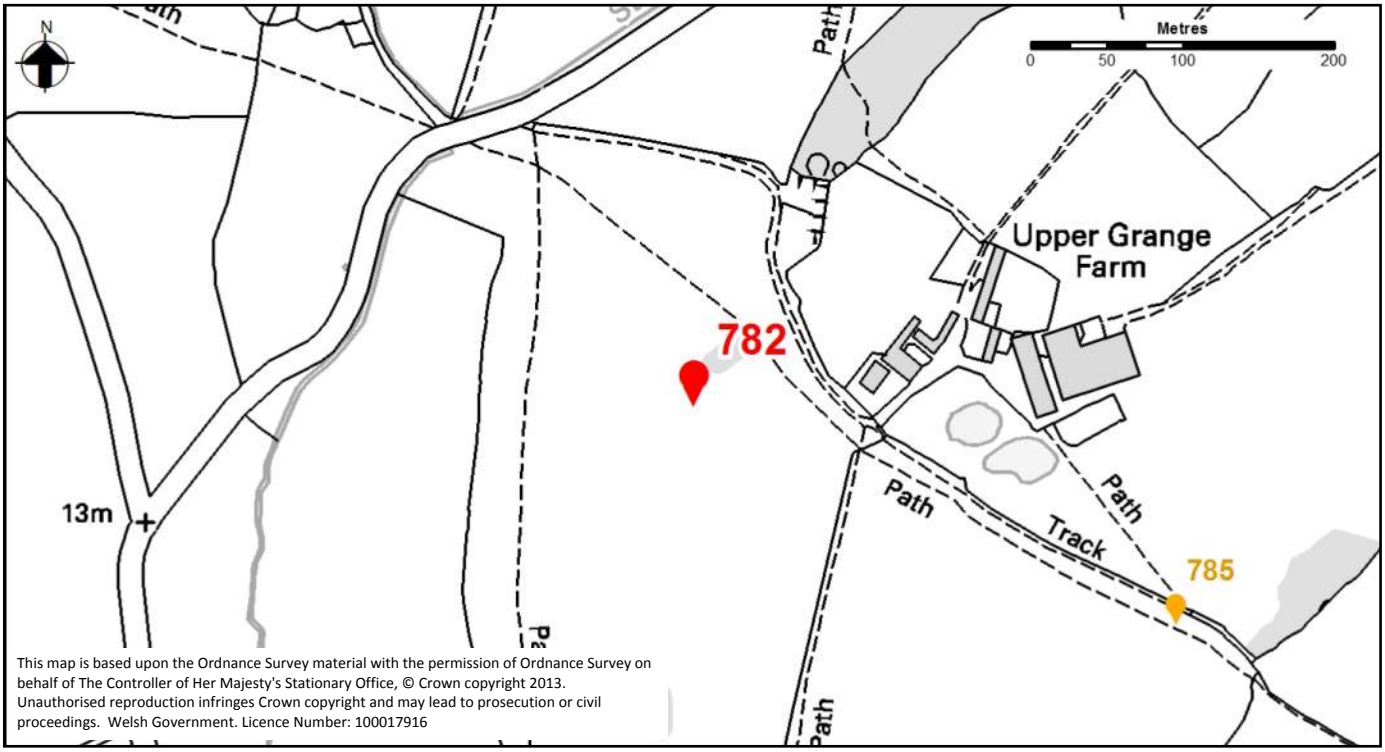

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	783	Date:	09-05-2014 14:50	GPS:	51.59, -2.83

Dominant Habitats:

Tall ruderal/scrub

Potential for Protected Species:

Target Note:

Mammal pathway

Target Note Location Map:

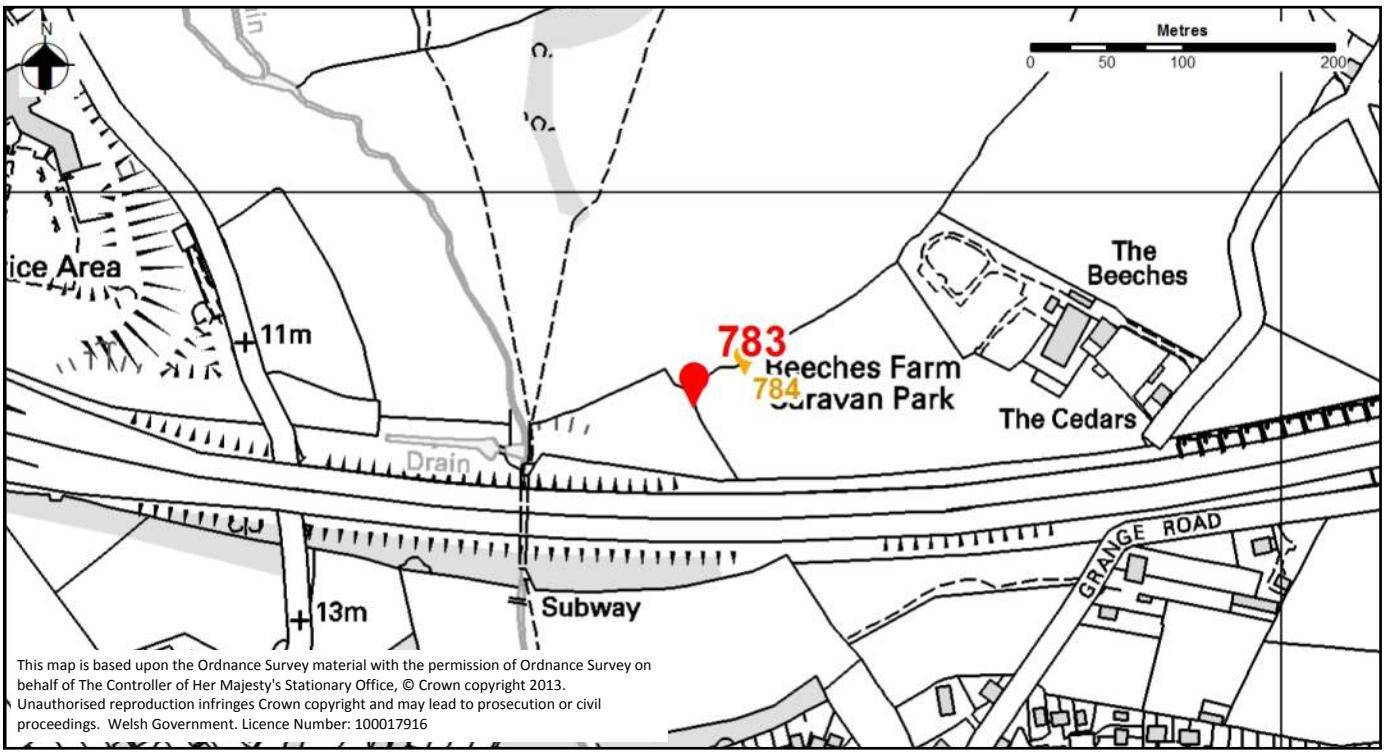

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	784	Date:	09-05-2014 14:51	GPS:	51.59, -2.83

Dominant Habitats:

Tall ruderal/improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

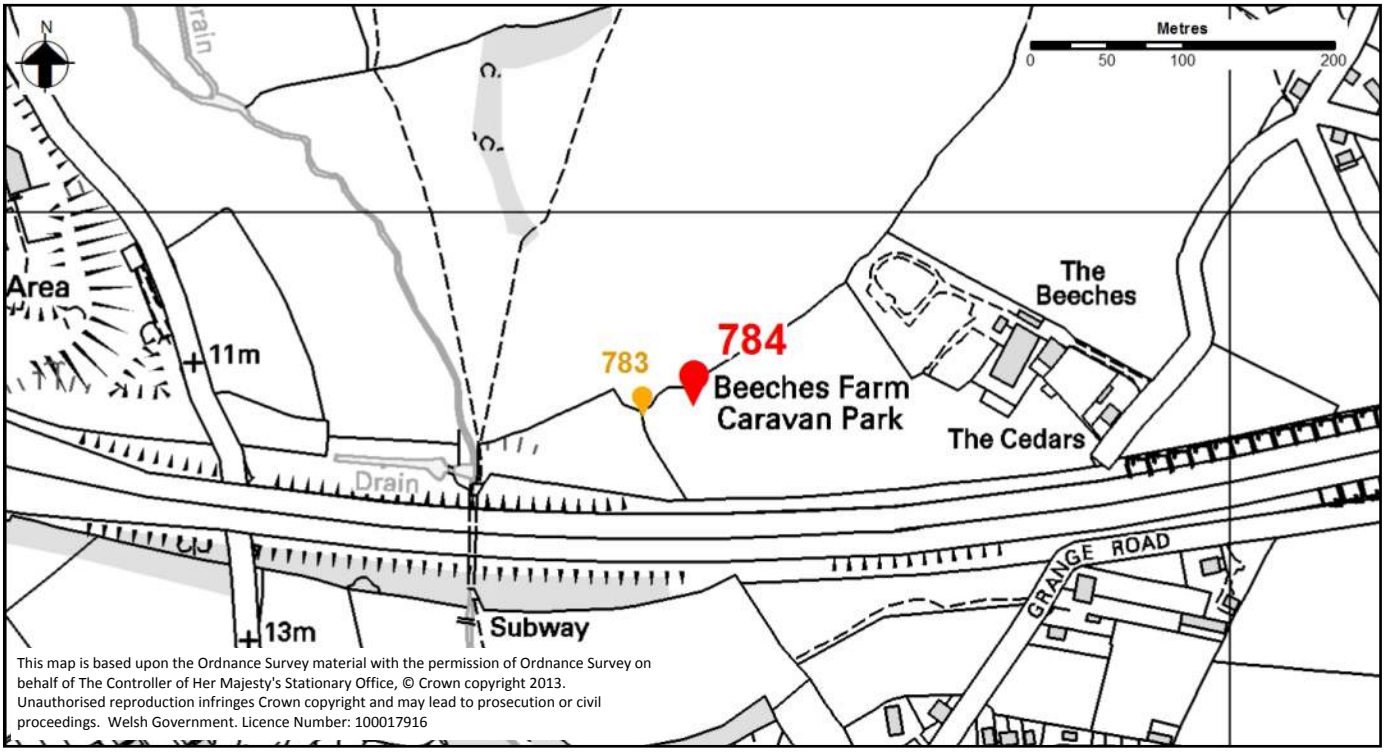

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	785	Date:	09-05-2014	GPS:	51.59, -2.83

Dominant Habitats:

Dense scrub

Potential for Protected Species:

Target Note:

Old green lane

Target Note Location Map:

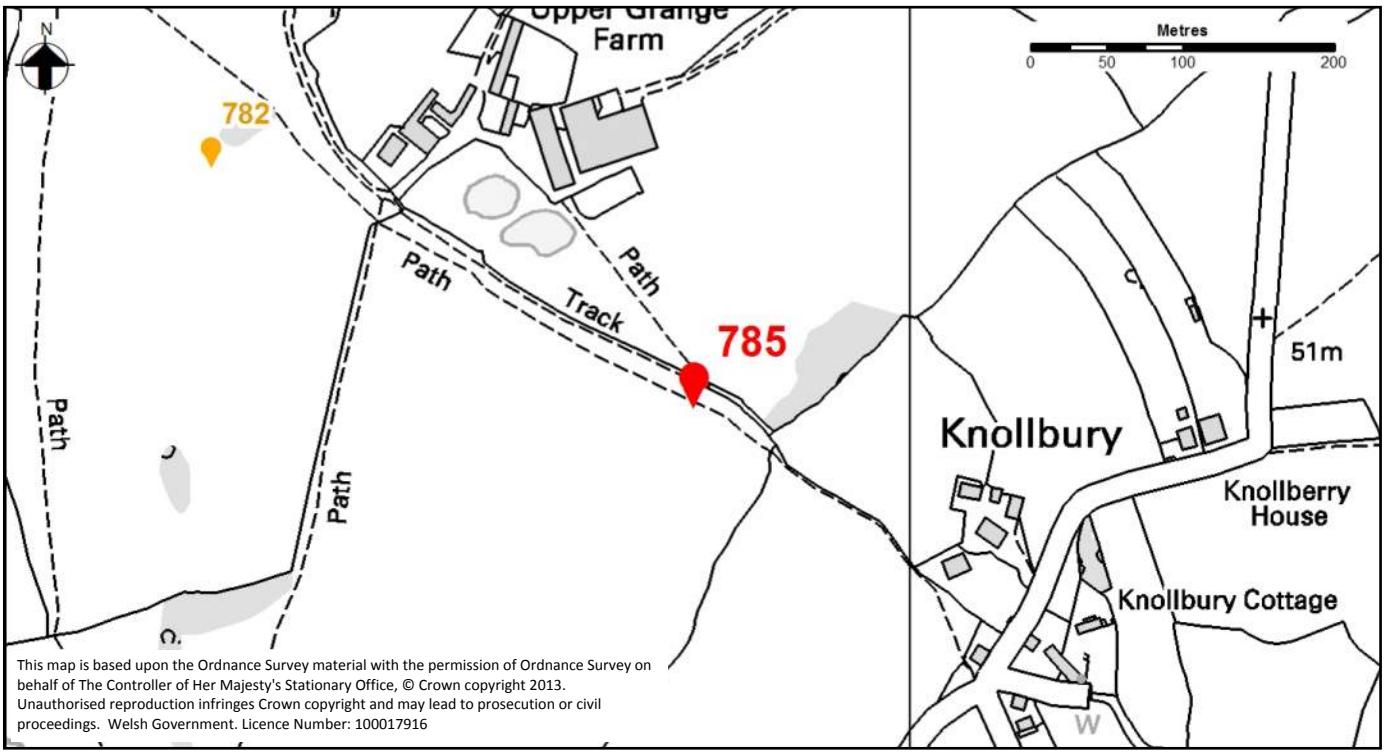

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	787	Date:	30-10-2014	GPS:	51.59, -2.82

Dominant Habitats:

Ancient woodland

Potential for Protected Species:

Bats

Target Note:

Trees with bat potential

Target Note Location Map:

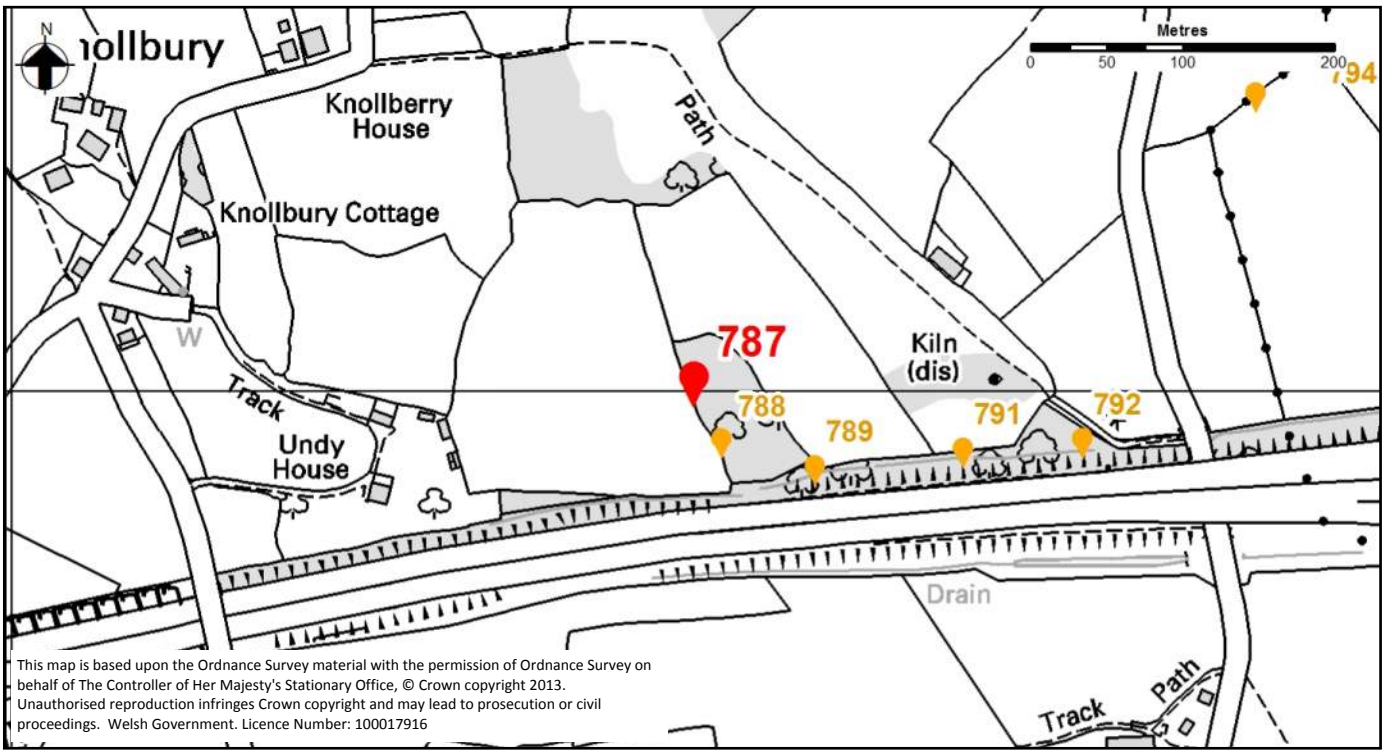

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	788	Date:	30-10-2014	GPS:	51.59, -2.82

Dominant Habitats:

Woodland

Potential for Protected Species:

Reptiles

Target Note:

Stone boundary or collapsed wall

Target Note Location Map:

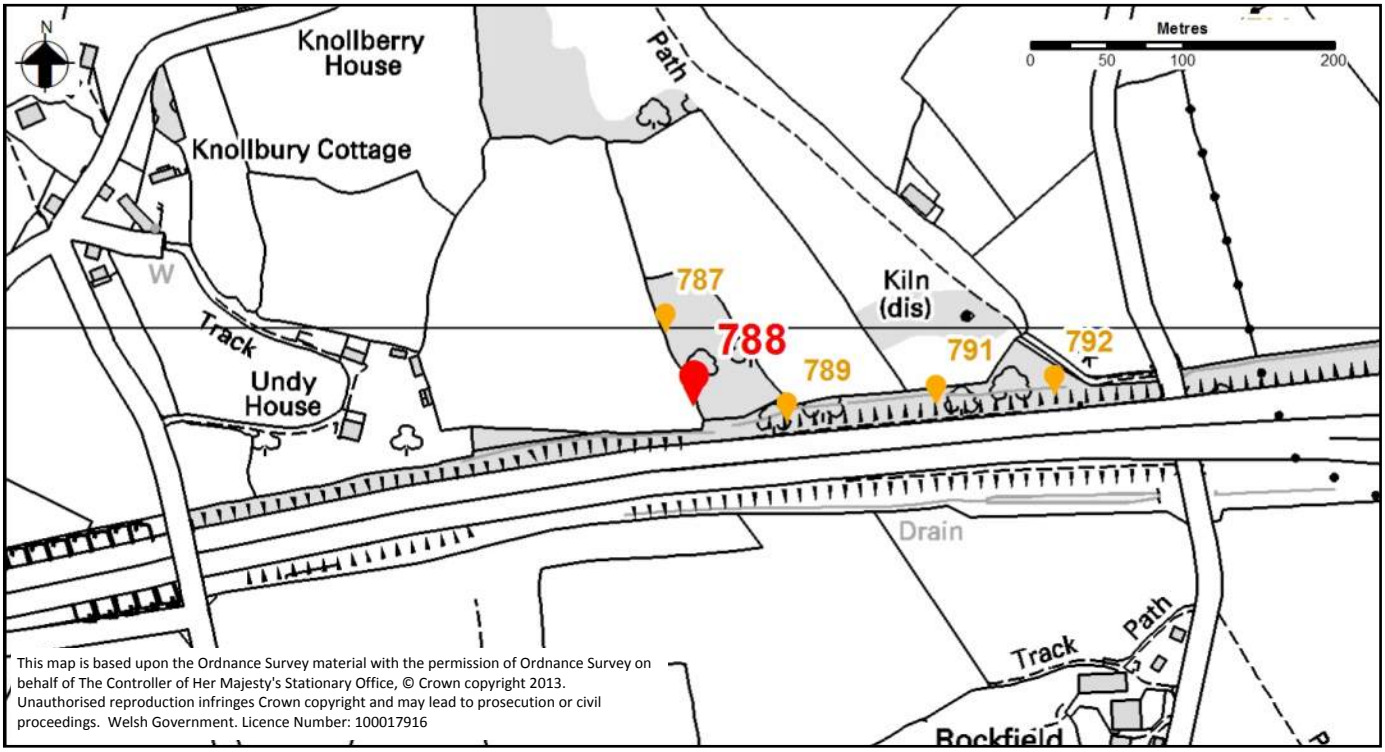

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	789	Date:	30-10-2014	GPS:	51.59, -2.82

Dominant Habitats:

Improved grassland

Target Note:

Log pile with potential for reptiles

Potential for Protected Species:

Reptiles

Target Note Location Map:

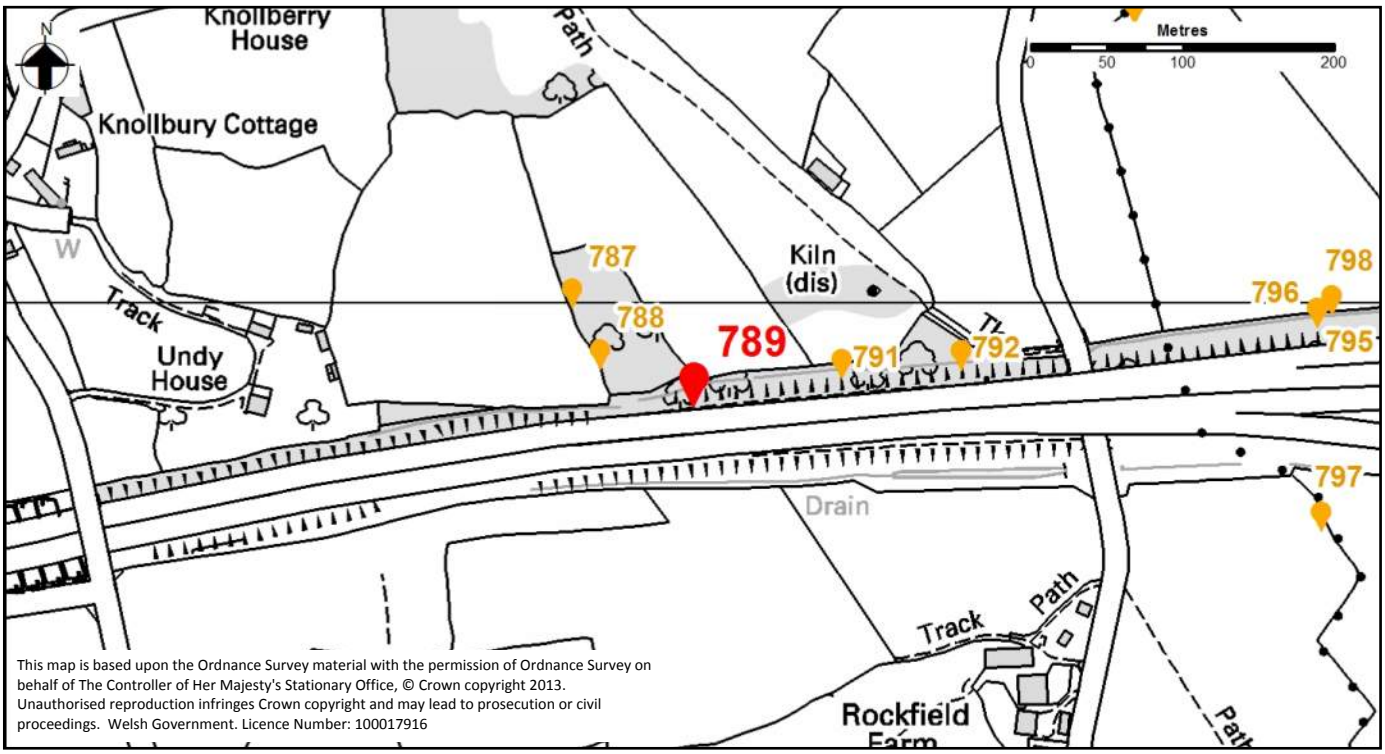

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	790	Date:		GPS:	51.59, -2.82

Dominant Habitats:

Target Note:

Crested dog's tail, cock's foot, perennial ryegrass, common bent, creeping buttercup, white clover

Potential for Protected Species:

Target Note Location Map:

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	791	Date:	30-10-2014	GPS:	51.59, -2.82

Dominant Habitats:

Improved grassland adjacent to bramble scrub motorway verge

Target Note:

Mammal path present

Potential for Protected Species:

Badger

Target Note Location Map:

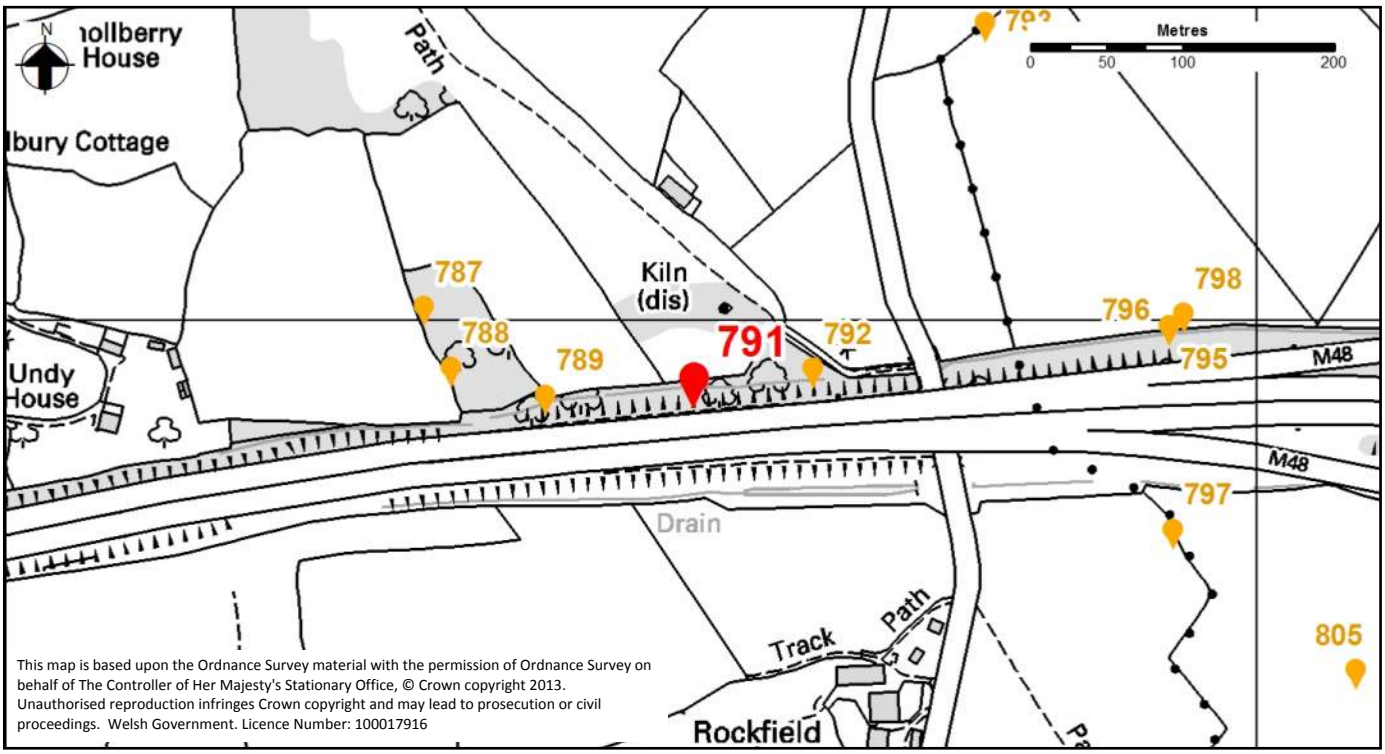

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	792	Date:	15-07-2014 10:47	GPS:	51.59, -2.81

Dominant Habitats:

Woodland/scrub/bare ground

Target Note:

Mammal pathway under fence

Potential for Protected Species:

Target Note Location Map:

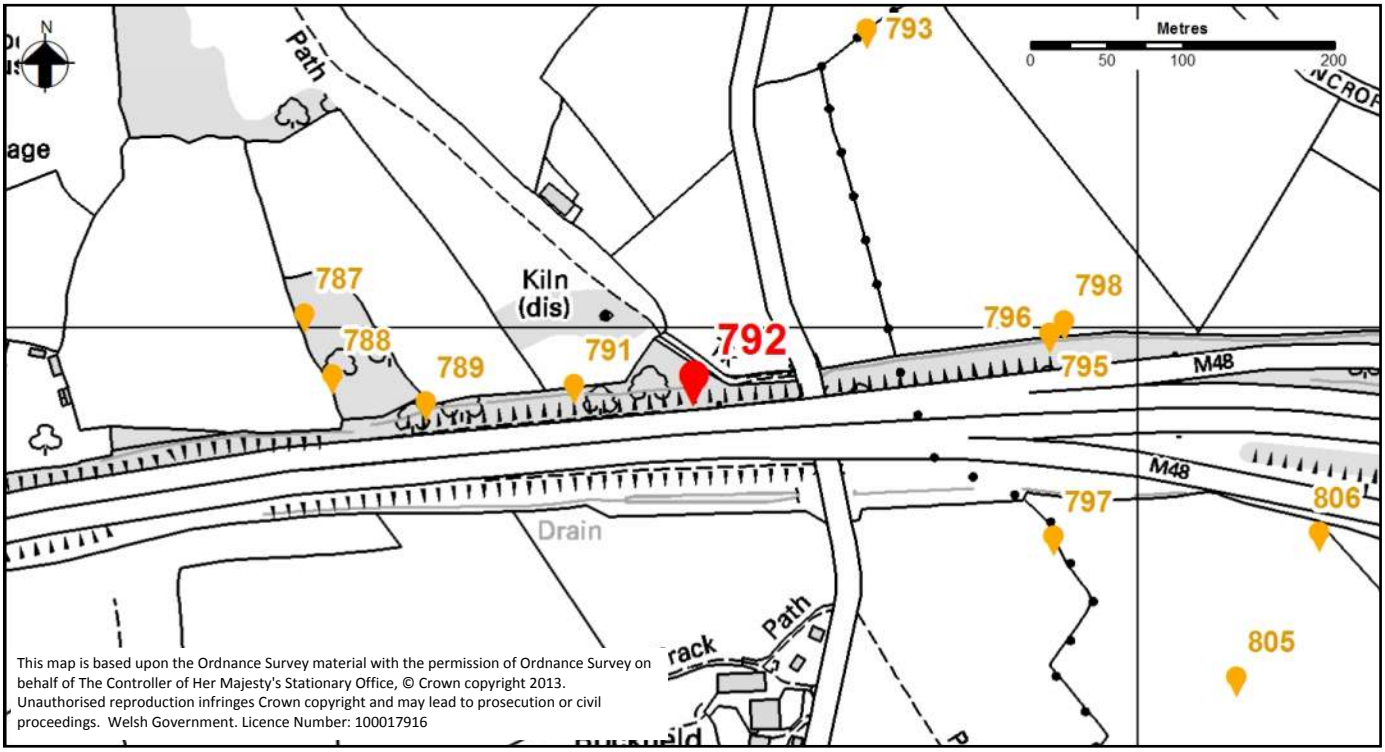

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	793	Date:	05-06-2014 12:16	GPS:	51.59, -2.81

Dominant Habitats:

Improved grassland

Potential for Protected Species:

Brown hare

Target Note:

Various pathways in grass. Possible hare droppings, or rabbit

Target Note Location Map:

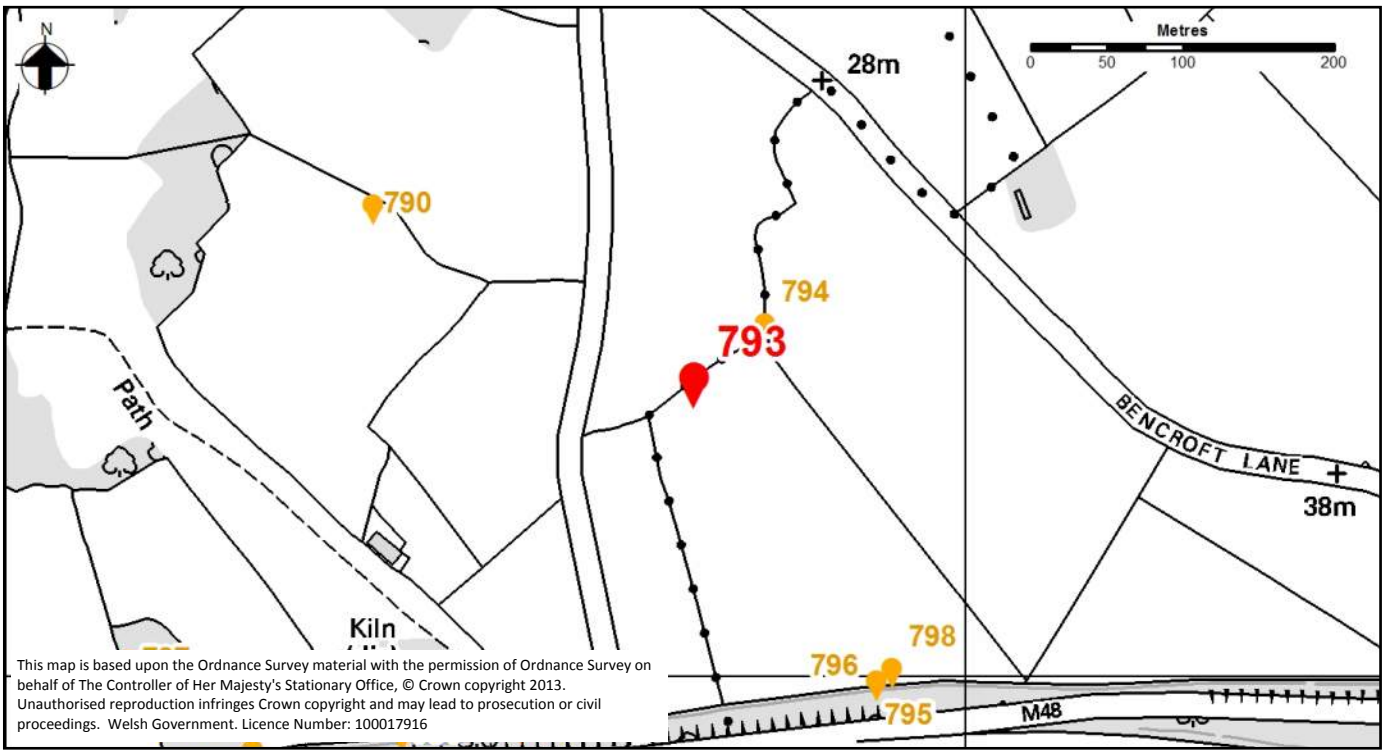

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	794	Date:	05-06-2014 12:20	GPS:	51.59, -2.81

Dominant Habitats:

Improved grassland

Potential for Protected Species:

Target Note:

Mammal pathway

Target Note Location Map:

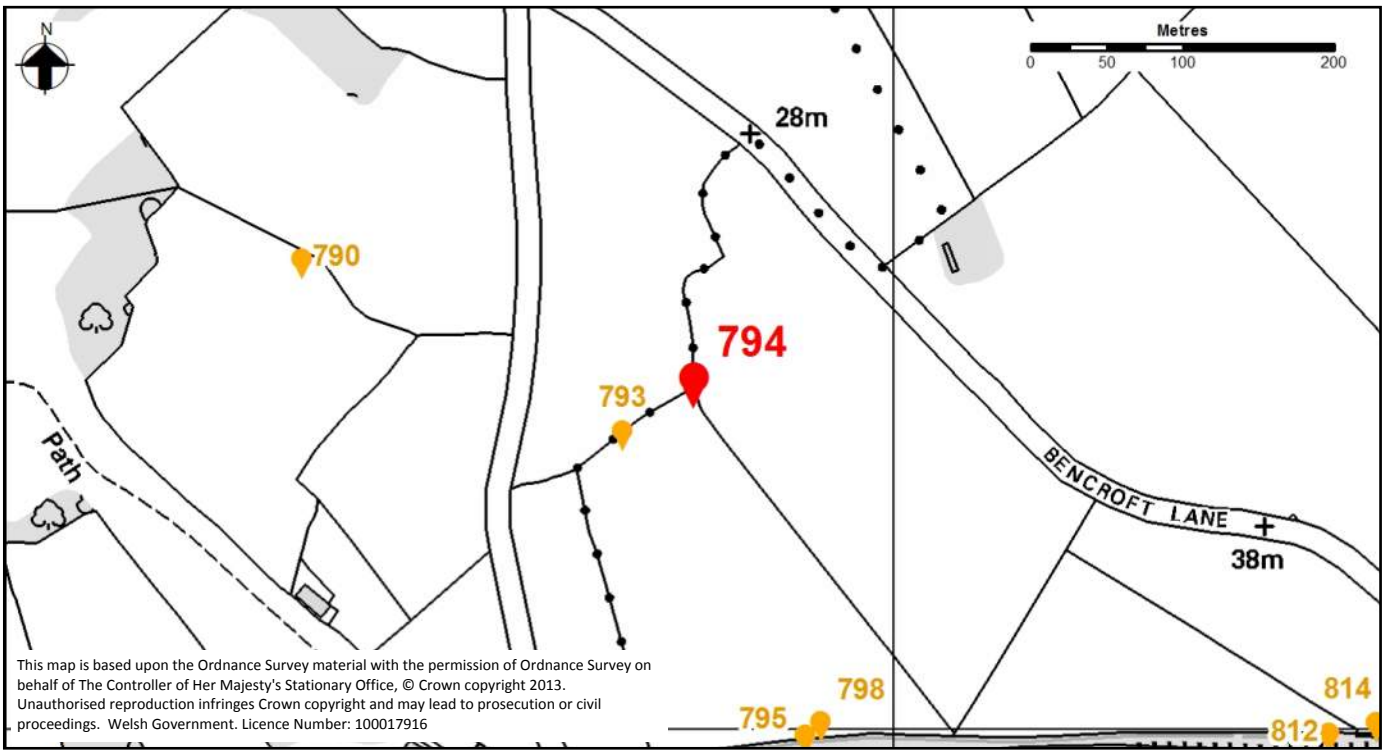

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	795	Date:	05-06-2014 12:08	GPS:	51.59, -2.81

Dominant Habitats:

Hedgerow

Target Note:

Mammal pathway, possibly fox

Potential for Protected Species:

Target Note Location Map:

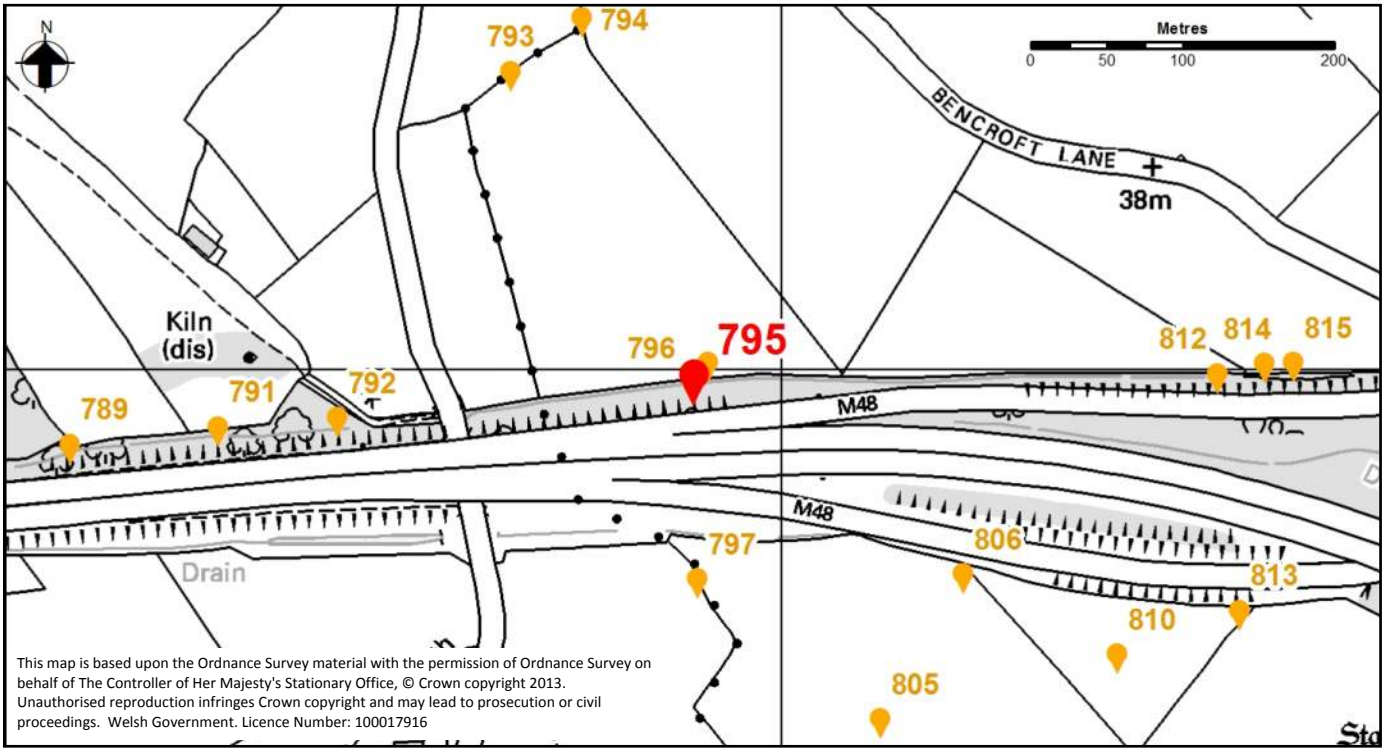

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	796	Date:	05-06-2014 12:01	GPS:	51.59, -2.81

Dominant Habitats:

Improved grassland

Target Note:

Snuffling, possibly badger

Potential for Protected Species:

Badger

Target Note Location Map:

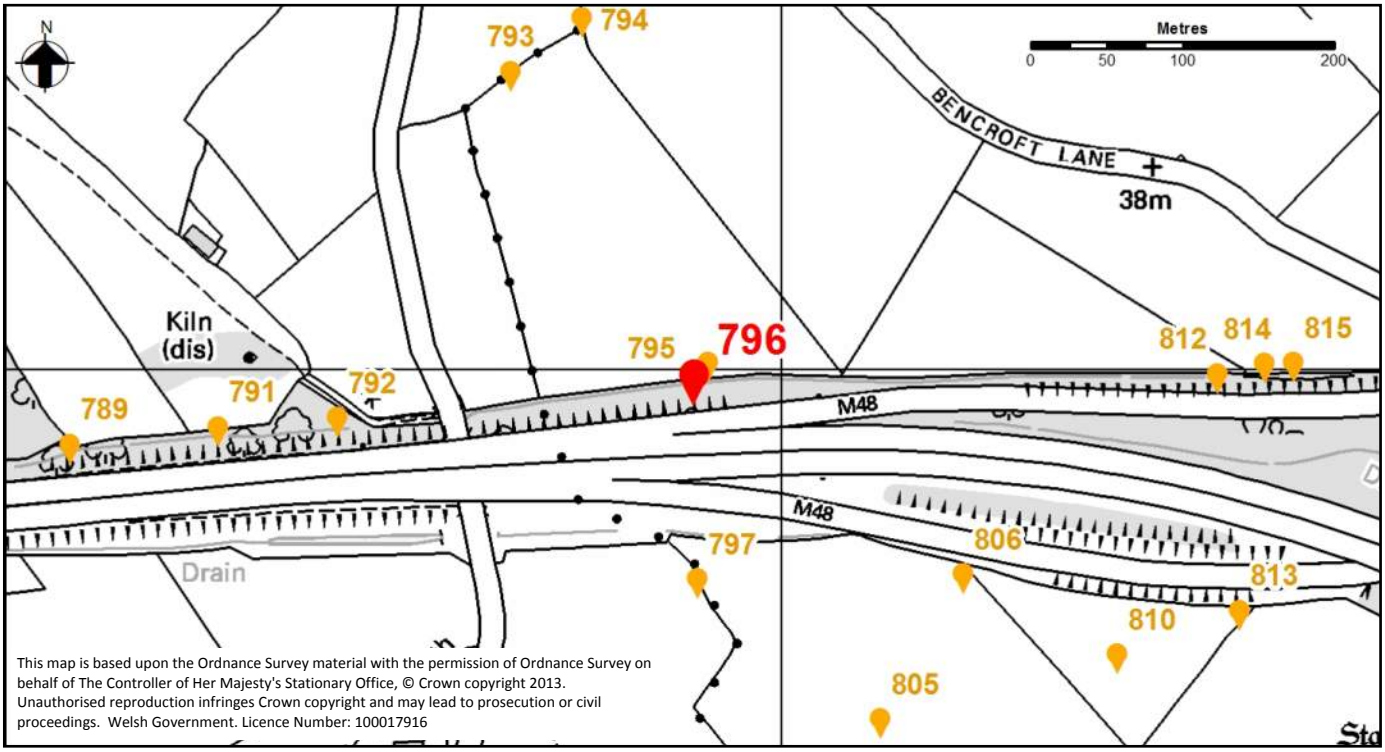

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	797	Date:	06-08-2014 12:21	GPS:	51.59, -2.81

Dominant Habitats:

Hedgerow

Potential for Protected Species:

Badger

Target Note:

Badger or rabbit potential. Likely rabbit. Chewed hazelnuts present, possibly bank vole.

Target Note Location Map:

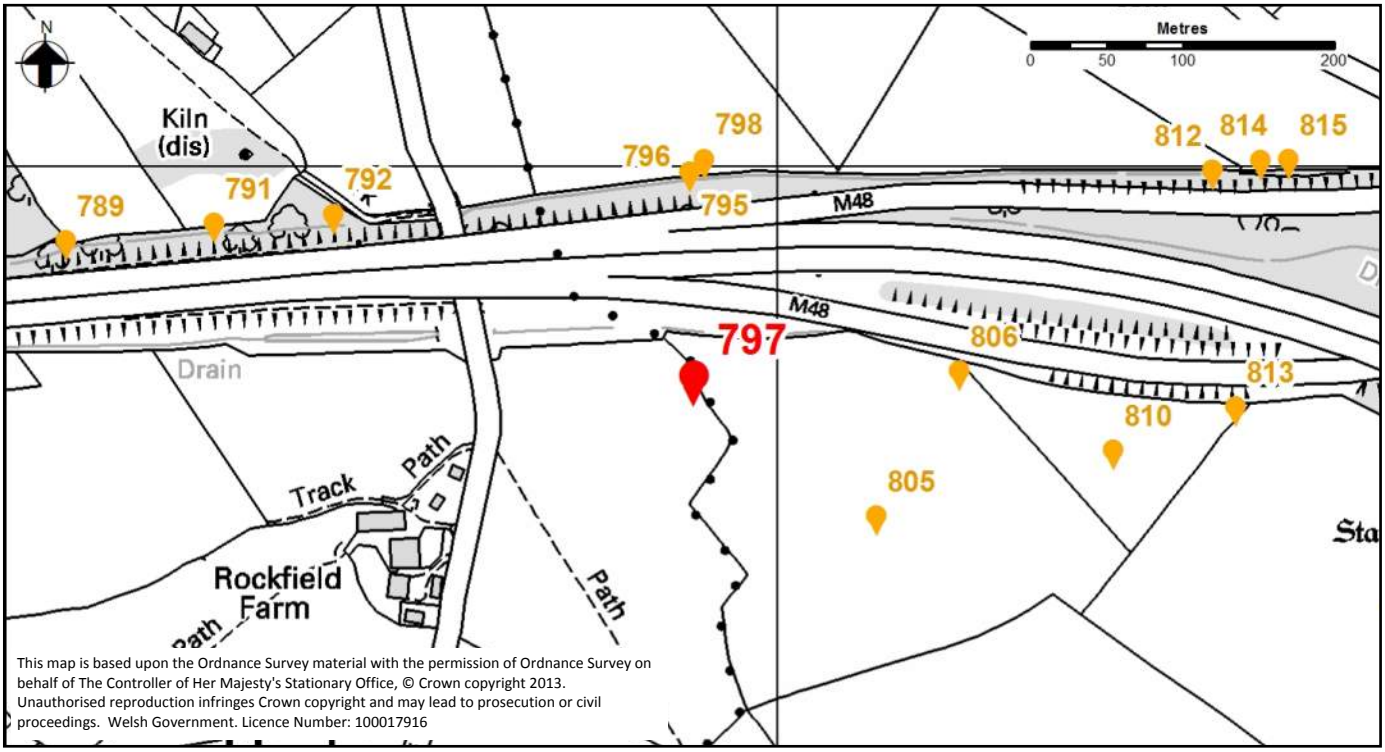

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	798	Date:	05-06-2014 11:59	GPS:	51.59, -2.81

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

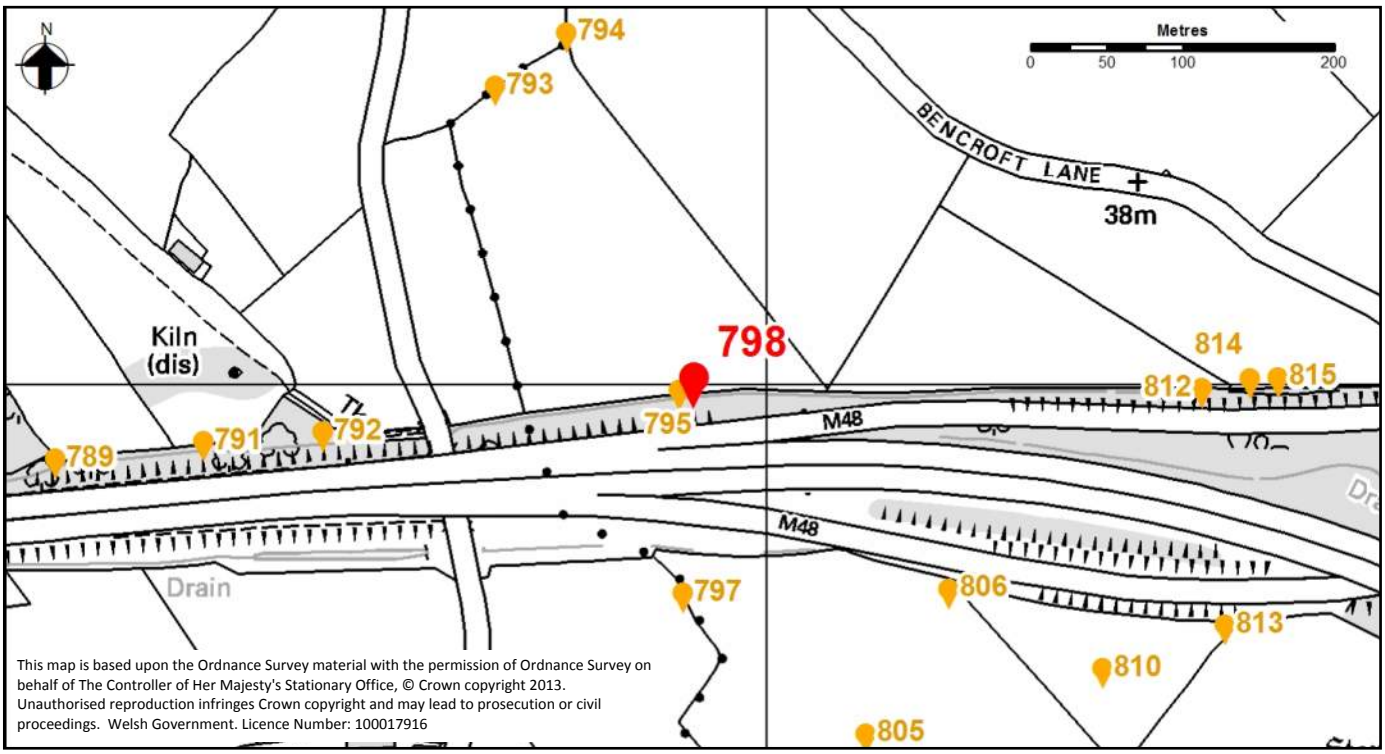

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	799	Date:	06-08-2014 11:49	GPS:	51.58, -2.81

Dominant Habitats:

Hedgerow

Target Note:

Badger scat.

Potential for Protected Species:

Badger

Target Note Location Map:

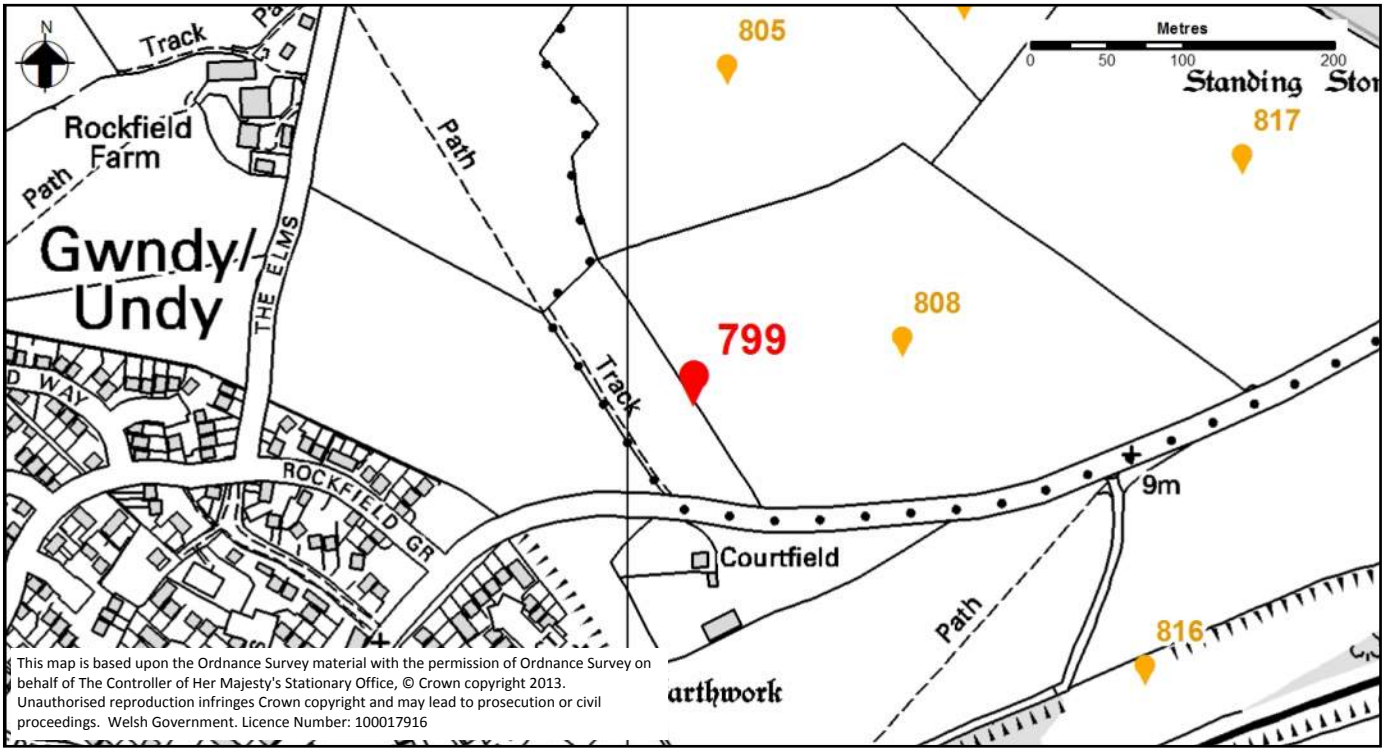

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	800	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Bramble, ivy, buddleia (dominant)

Potential for Protected Species:

Target Note Location Map:

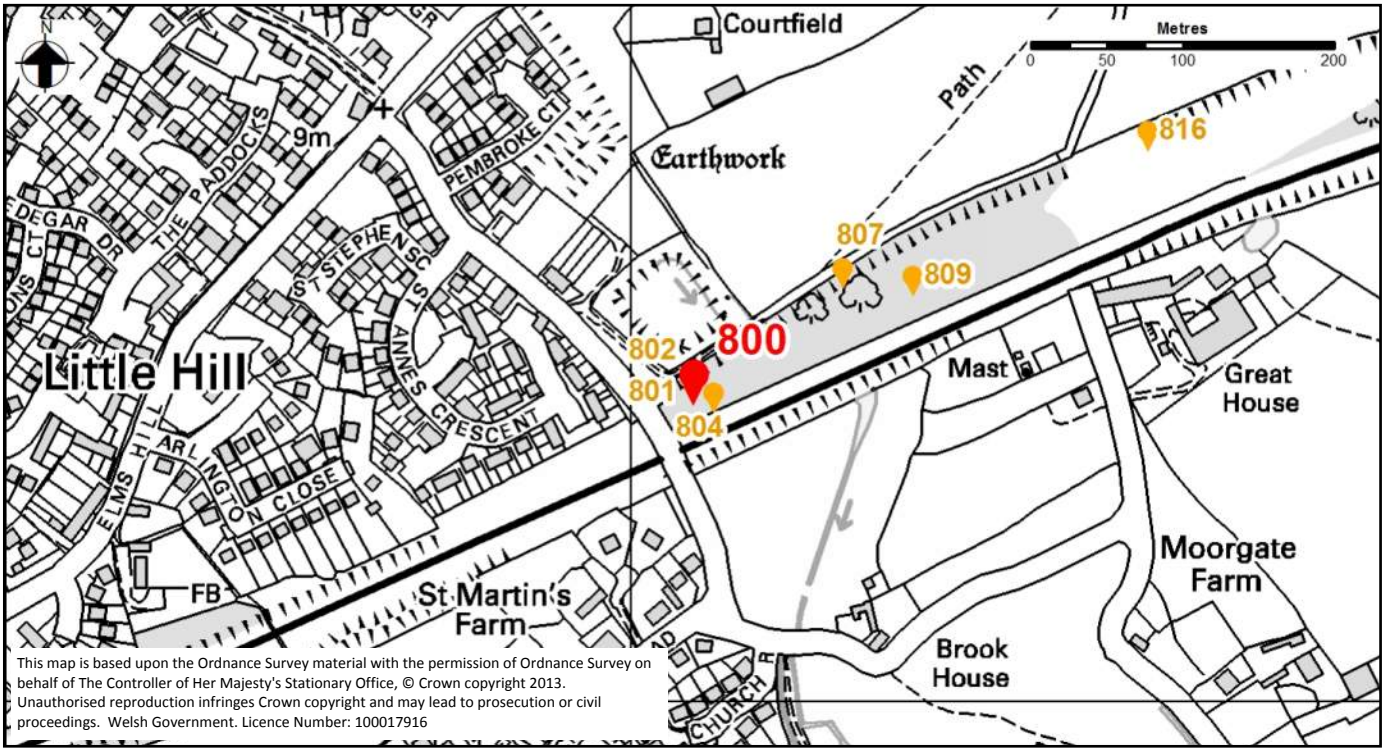

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	801	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Bramble, ivy, Buddleia (dominant)

Potential for Protected Species:

Target Note Location Map:

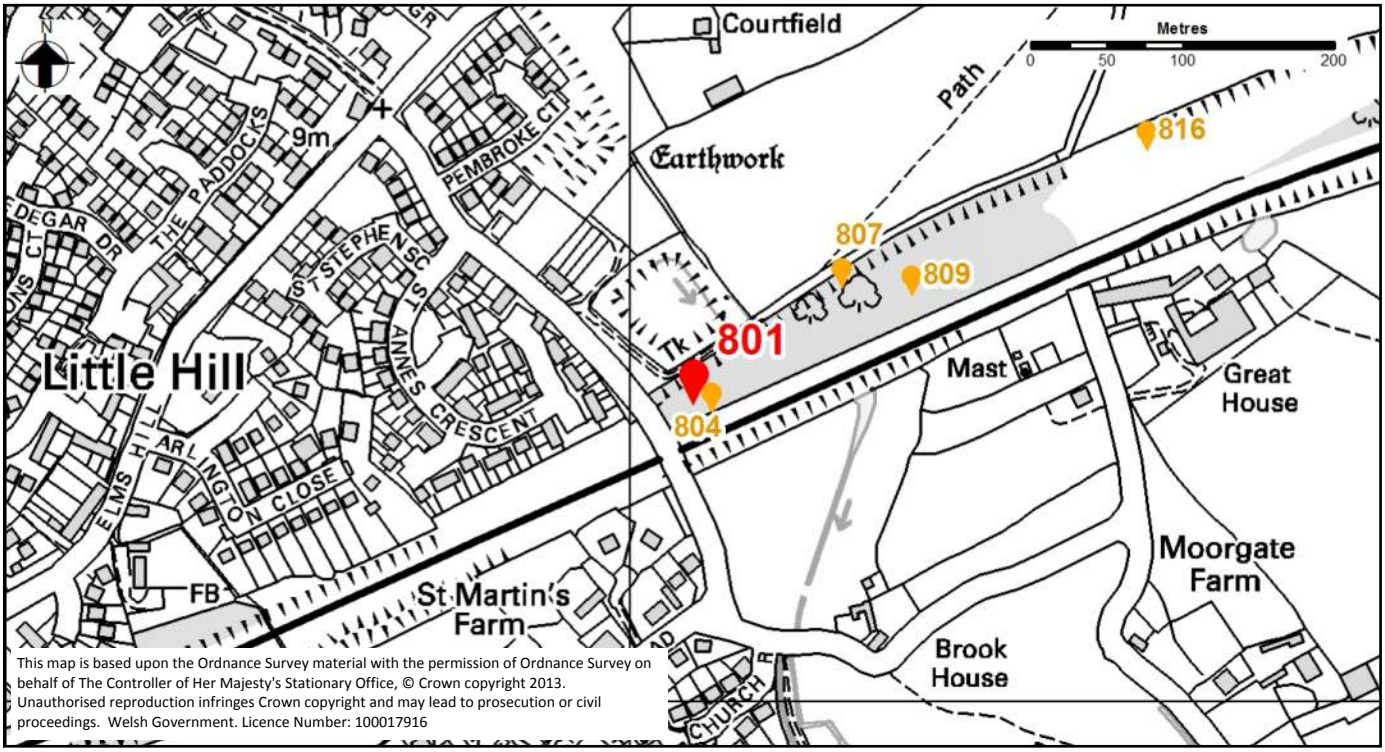

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	802	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Bramble, ivy, buddleia (dominant)

Potential for Protected Species:

Target Note Location Map:

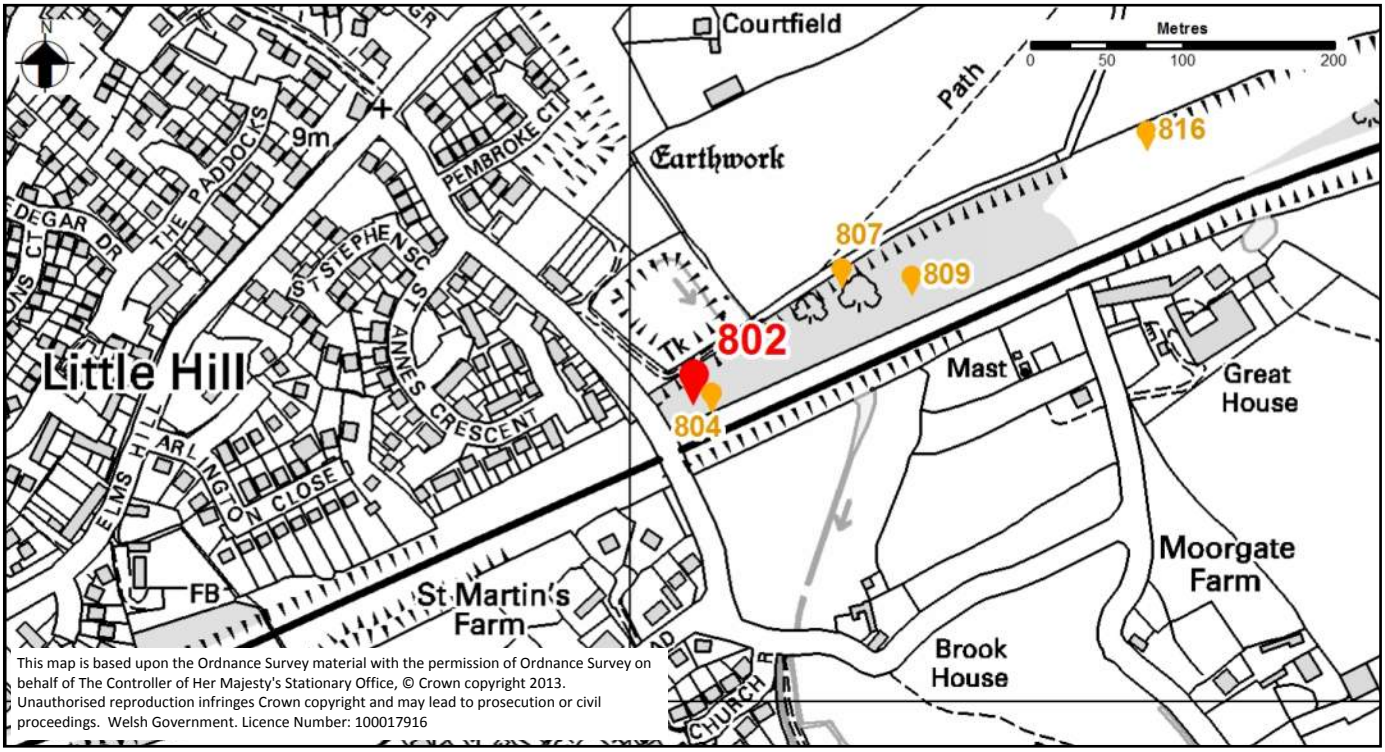

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	803	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Birch, ash, buddleia.
Fauna: Comma butterfly, peacock butterfly, common blue.

Potential for Protected Species:

Target Note Location Map:

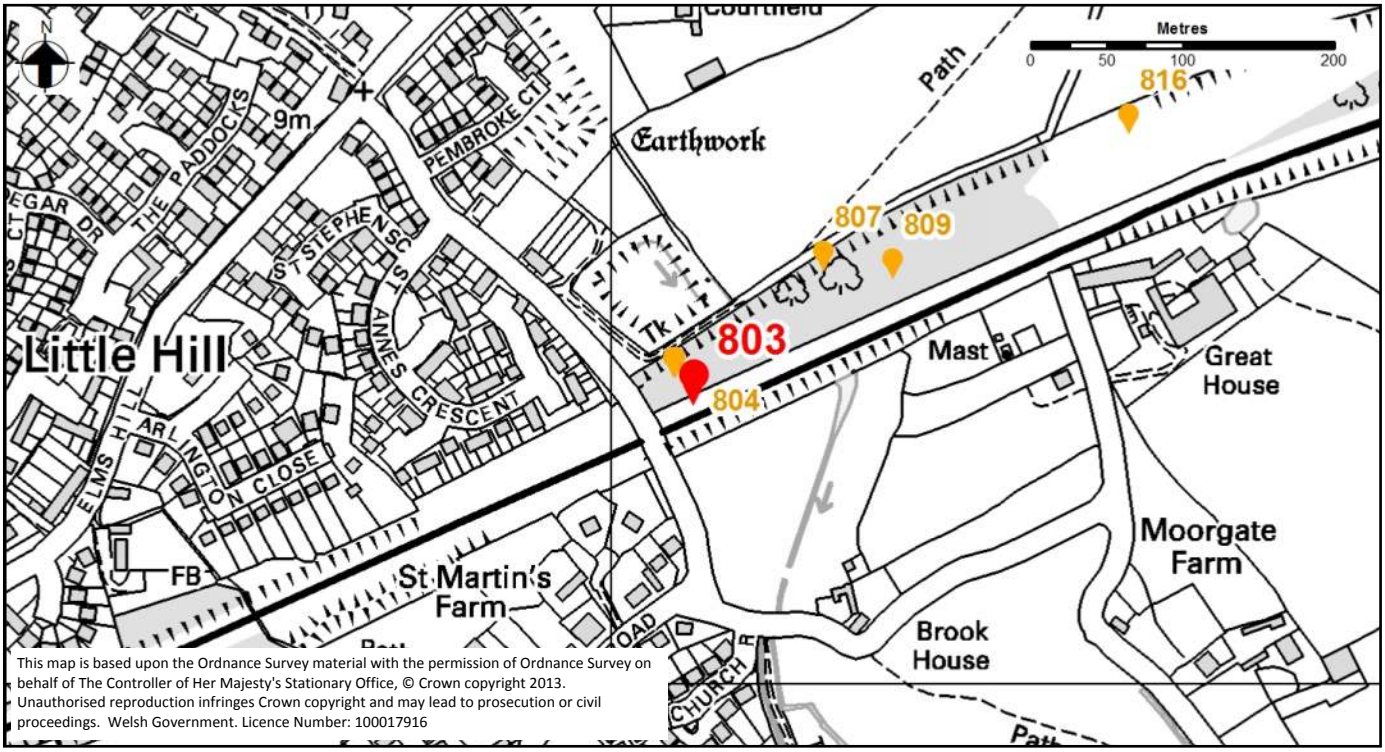

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	804	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Birch, ash, buddleia.
Fauna: Comma butterfly, peacock butterfly, common blue.

Potential for Protected Species:

Target Note Location Map:

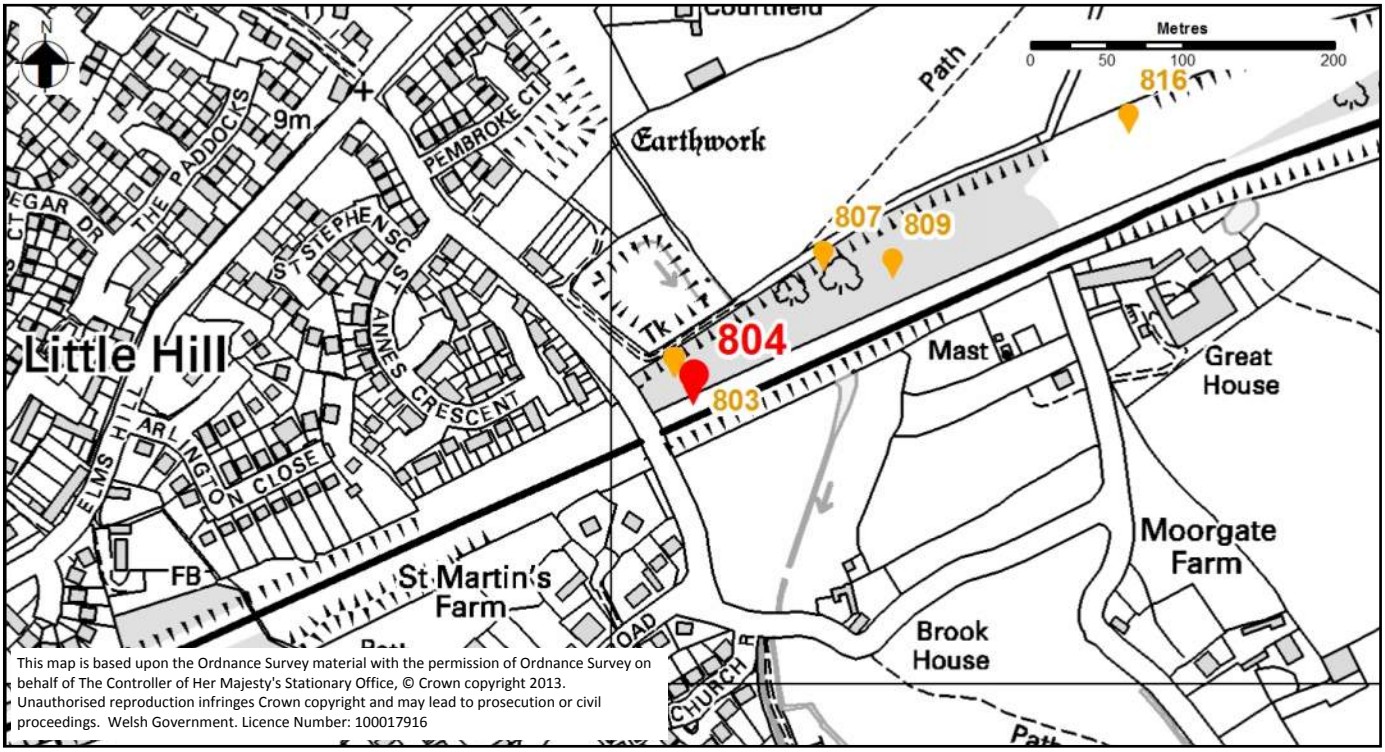

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	805	Date:		GPS:	51.59, -2.81

Dominant Habitats:

Target Note:

Dominant species: Perennial ryegrass.
Creeping buttercup, cock's foot, dandelion sp., thistle sp.

Potential for Protected Species:

Target Note Location Map:

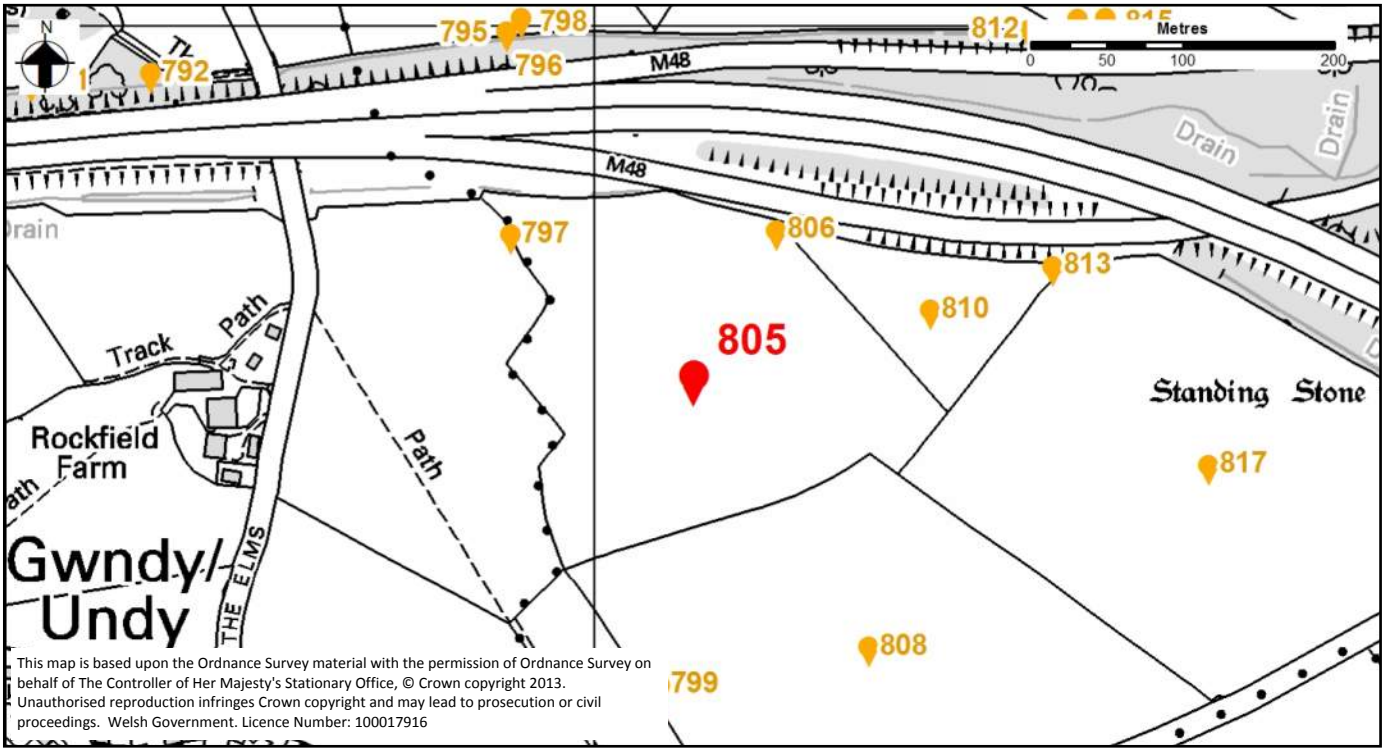

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	806	Date:	06-08-2014 12:42	GPS:	51.59, -2.81

Dominant Habitats:

Scrub

Potential for Protected Species:

Badger

Target Note:

Mammal pathway with possible badger scat. Large mammal use.

Target Note Location Map:

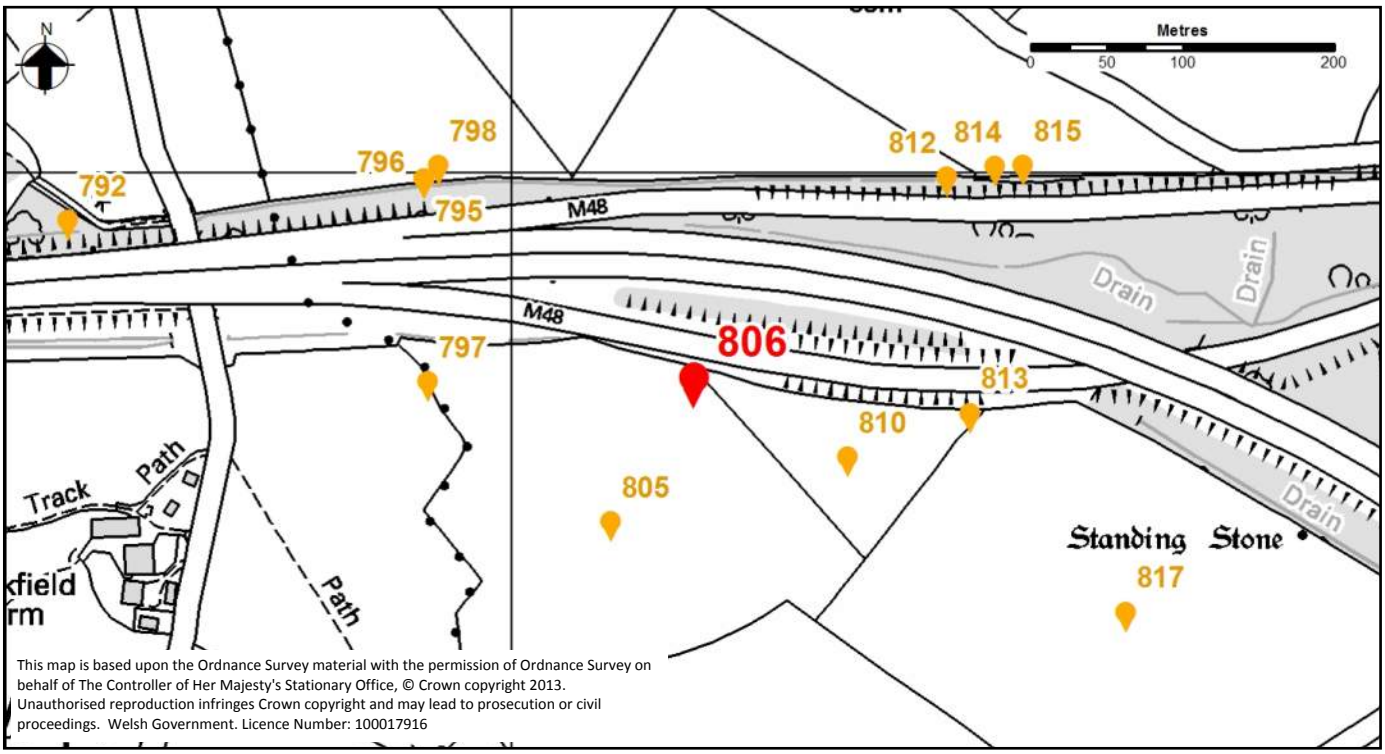

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	807	Date:	06-08-2014	GPS:	51.58, -2.81

Dominant Habitats:

Semi-natural broadleaved woodland

Target Note:

Ditch on a steep bank. Fenceline and treeline.

Potential for Protected Species:

Target Note Location Map:

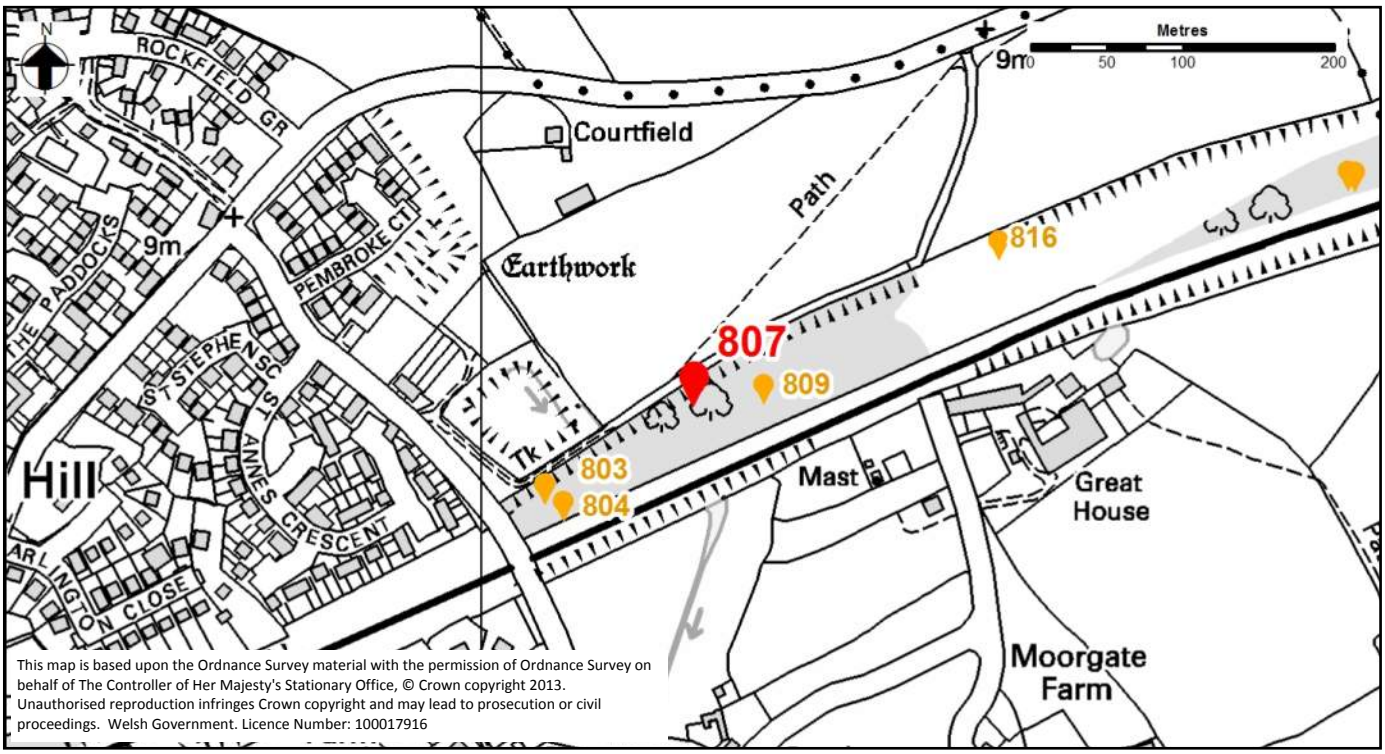

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	808	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Dominant species: Perennial ryegrass, creeping buttercup, cock's foot, dandelion sp., thistle sp.

Potential for Protected Species:

Target Note Location Map:

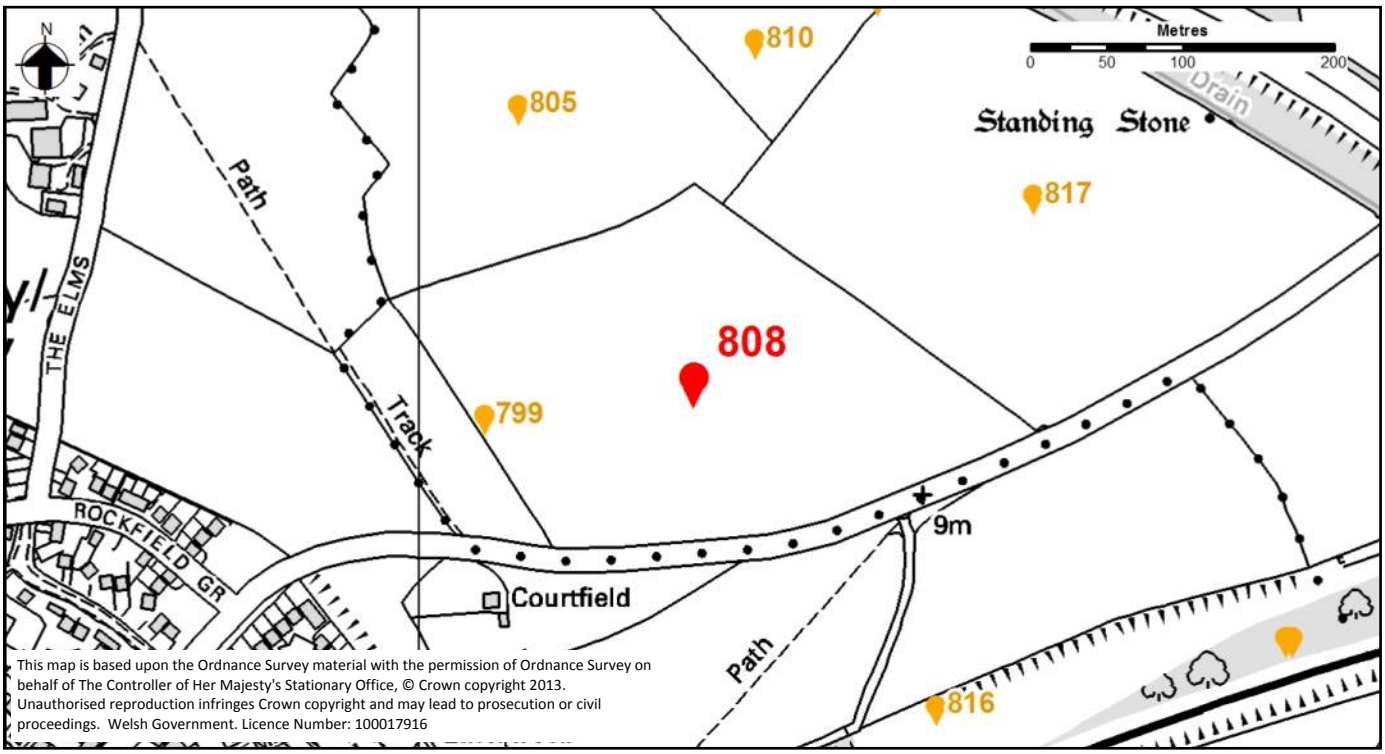

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	809	Date:		GPS:	51.58, -2.81

Dominant Habitats:

Target Note:

Treeline boundary with ditch. Dominant species is silver birch.

Alde willowherb sp., bramble, buddleia, ivy.

Potential for Protected Species:

Target Note Location Map:

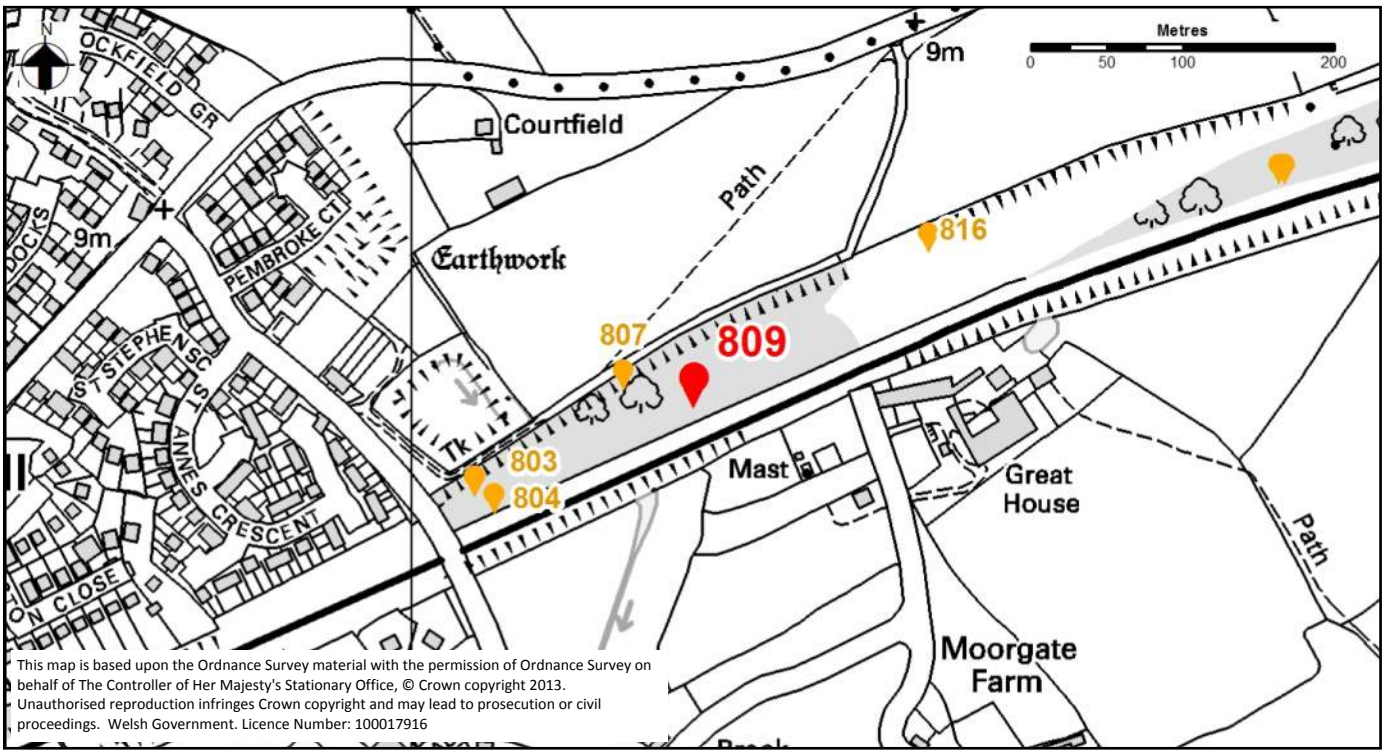

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	810	Date:		GPS:	51.59, -2.81

Dominant Habitats:

Target Note:

Dominant species: Perennial ryegrass, creeping buttercup, cock's foot, dandelion sp., thistle sp.

Potential for Protected Species:

Target Note Location Map:

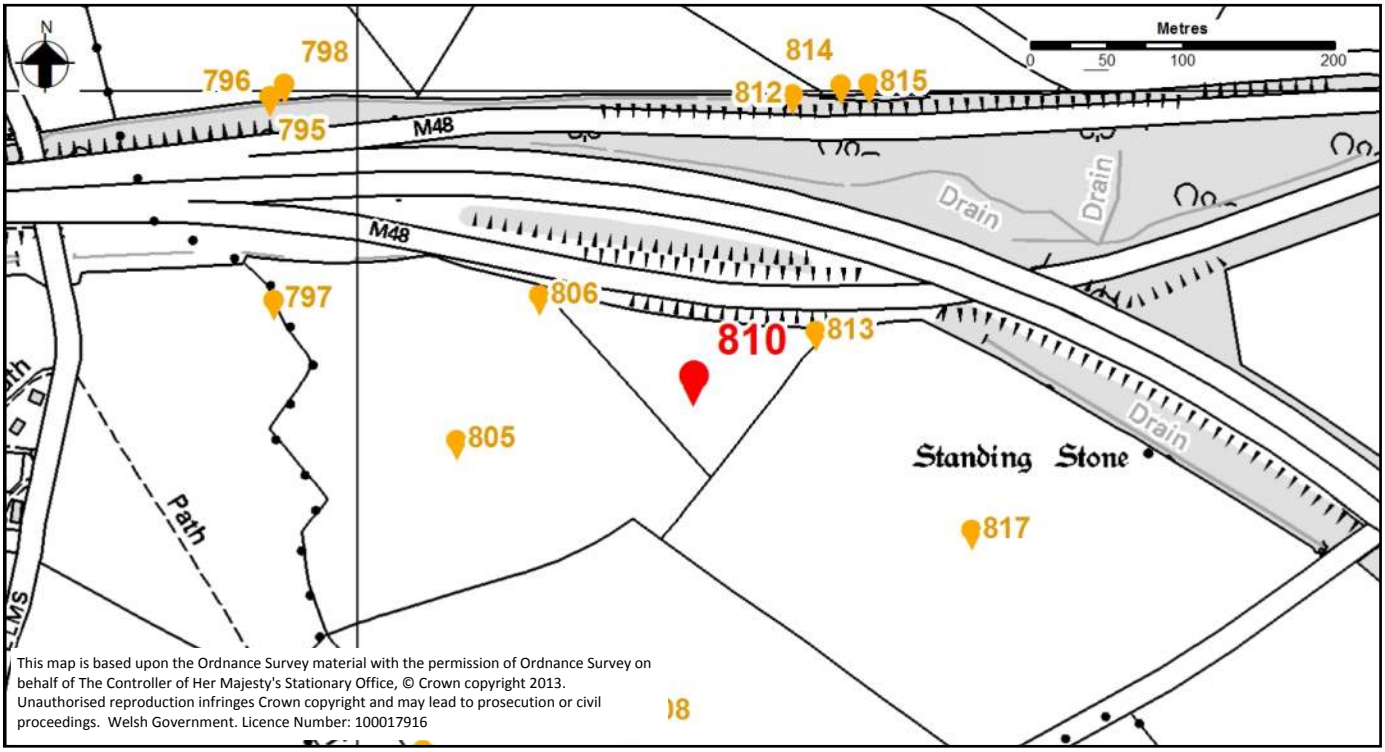

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	812	Date:	05-06-2014 11:34	GPS:	51.59, -2.81

Dominant Habitats:

Improved grassland/tall ruderal

Target Note:

Mammal pathway. No hairs evident. Fox scat nearby.

Potential for Protected Species:

Target Note Location Map:

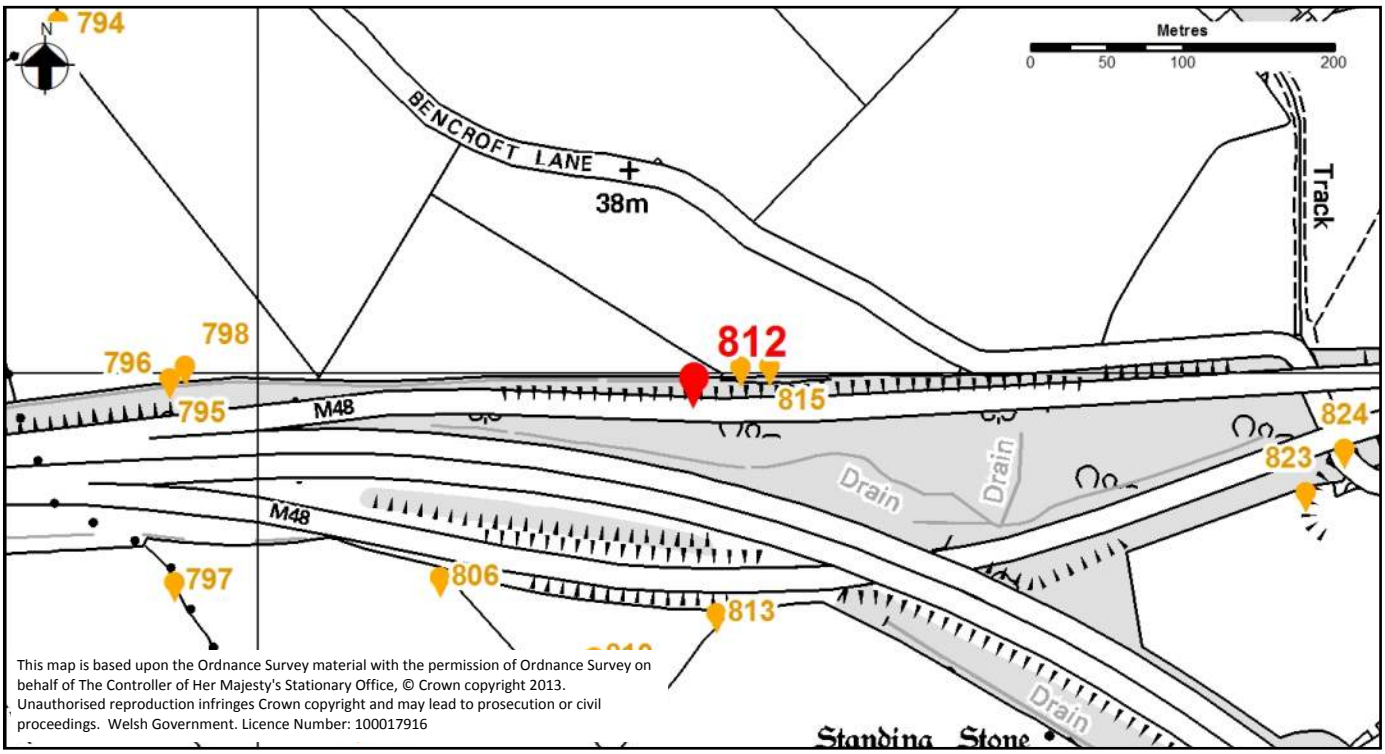

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	813	Date:	06-08-2014 12:52	GPS:	51.59, -2.81

Dominant Habitats:

Scrub

Target Note:

Mammal pathway, possibly fox

Potential for Protected Species:

Target Note Location Map:

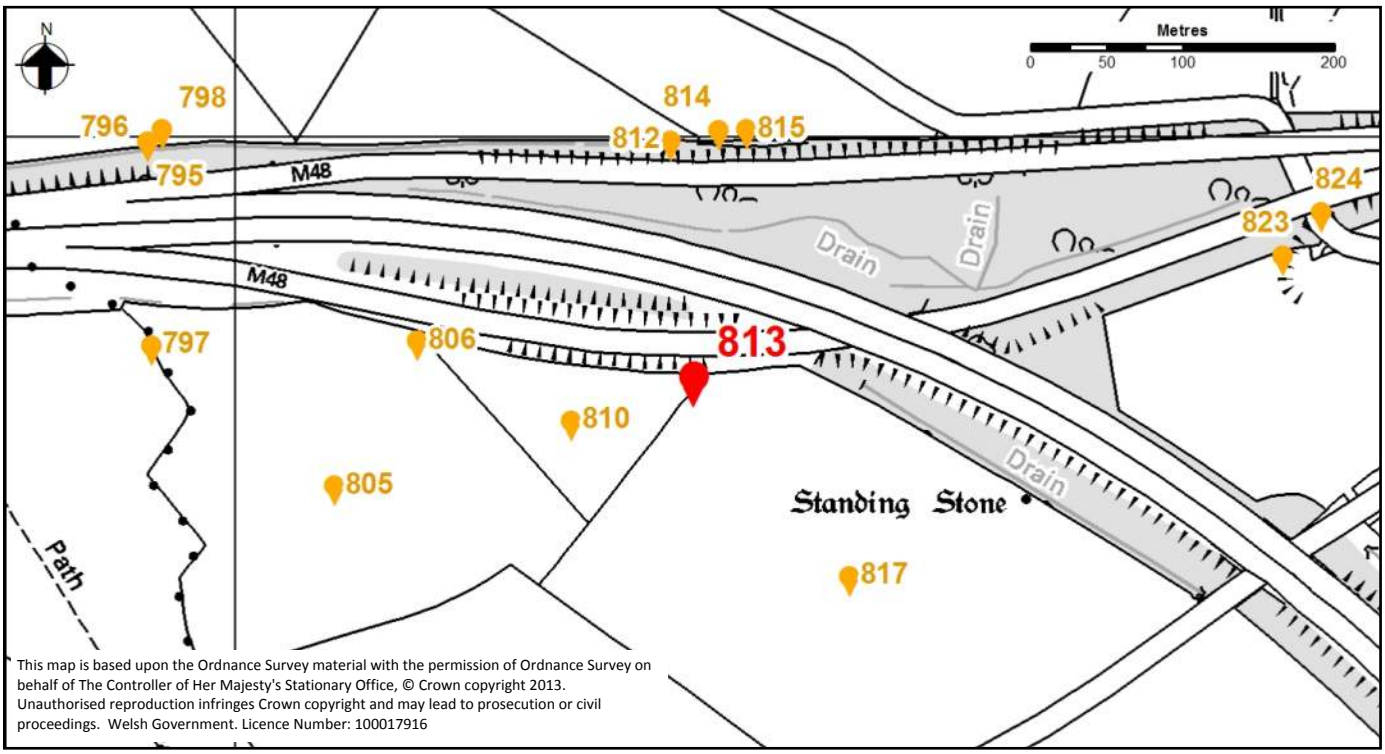

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	814	Date:	05-06-2014 11:31	GPS:	51.59, -2.81

Dominant Habitats:

Improved grassland/tall ruderal

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

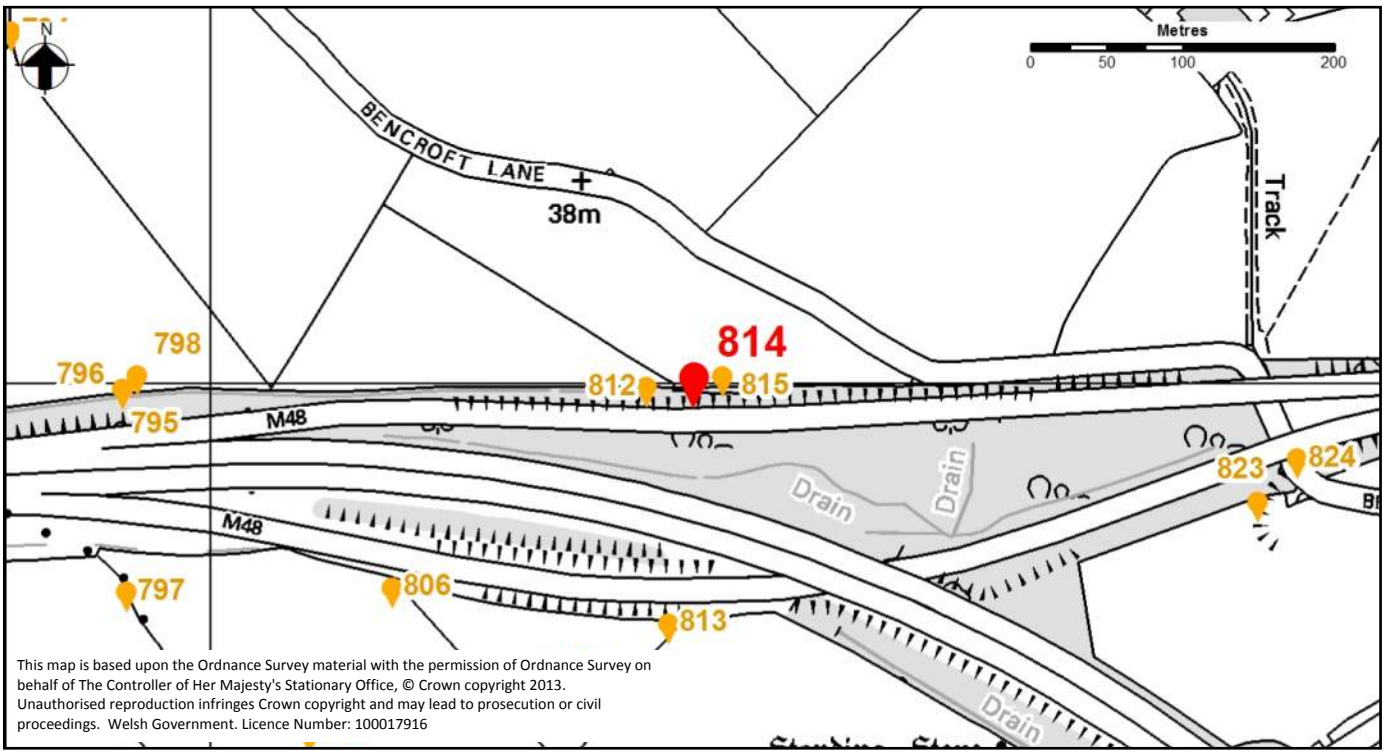

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	815	Date:	05-06-2014 11:28	GPS:	51.59, -2.8

Dominant Habitats:

Improved grassland/scrub

Target Note:

Mammal pathway leading under motorway fence

Potential for Protected Species:

Target Note Location Map:

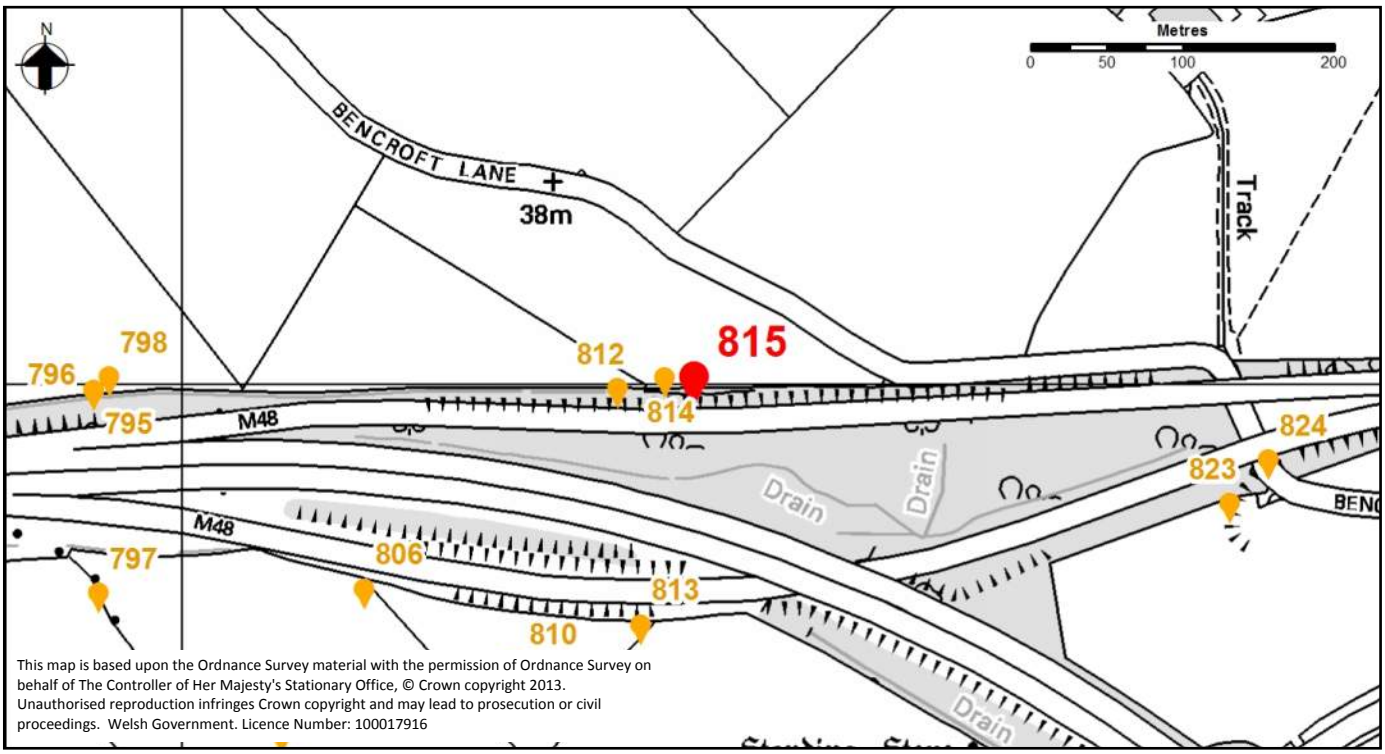

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	816	Date:	06-08-2014	GPS:	51.58, -2.8

Dominant Habitats:

Tall ruderal, introduced shrub, scattered scrub, ephemeral short perennial

Potential for Protected Species:

Reptiles, invertebrates, nesting birds

Target Note:

Clouded yellow butterfly

Target Note Location Map:

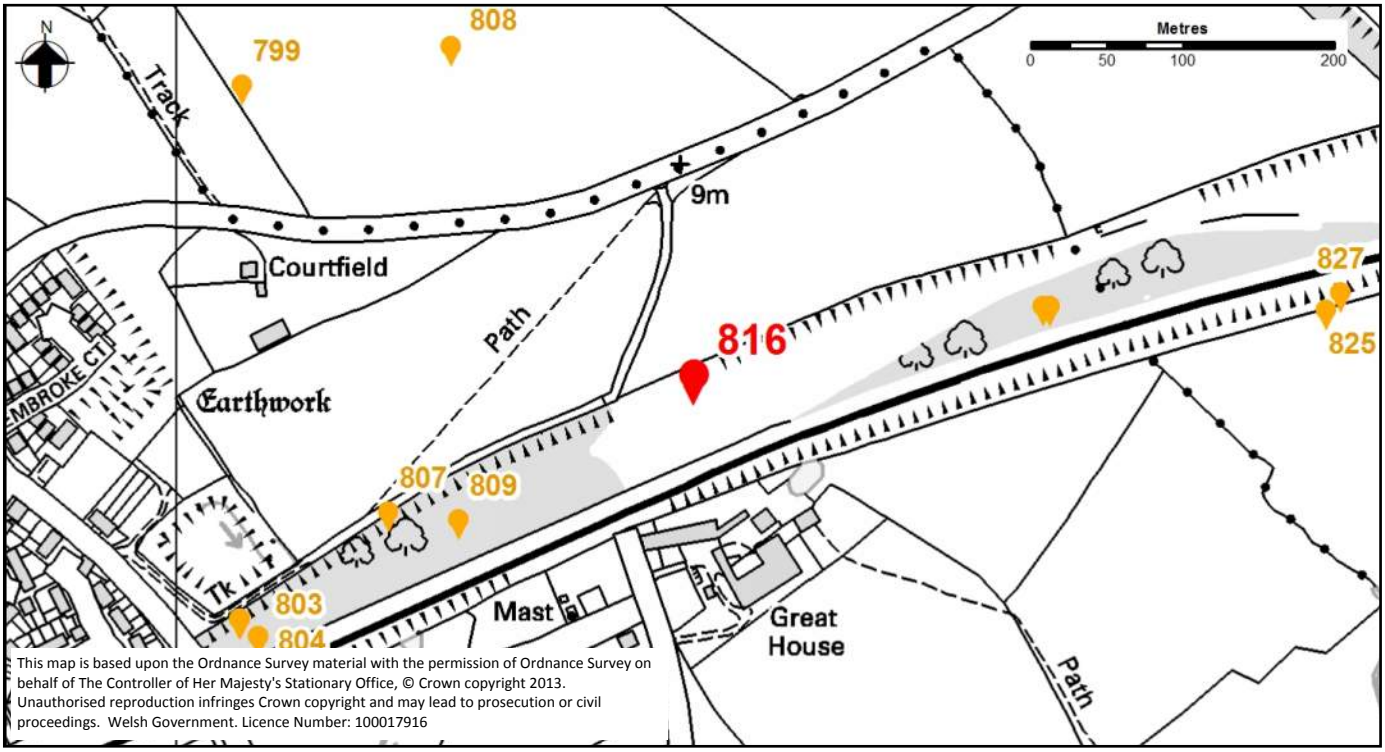

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	817	Date:		GPS:	51.59, -2.8

Dominant Habitats:

Target Note:

Dominant species: Perennial ryegrass, creeping buttercup, cock's foot, dandelion sp., thistle sp.

Potential for Protected Species:

Target Note Location Map:

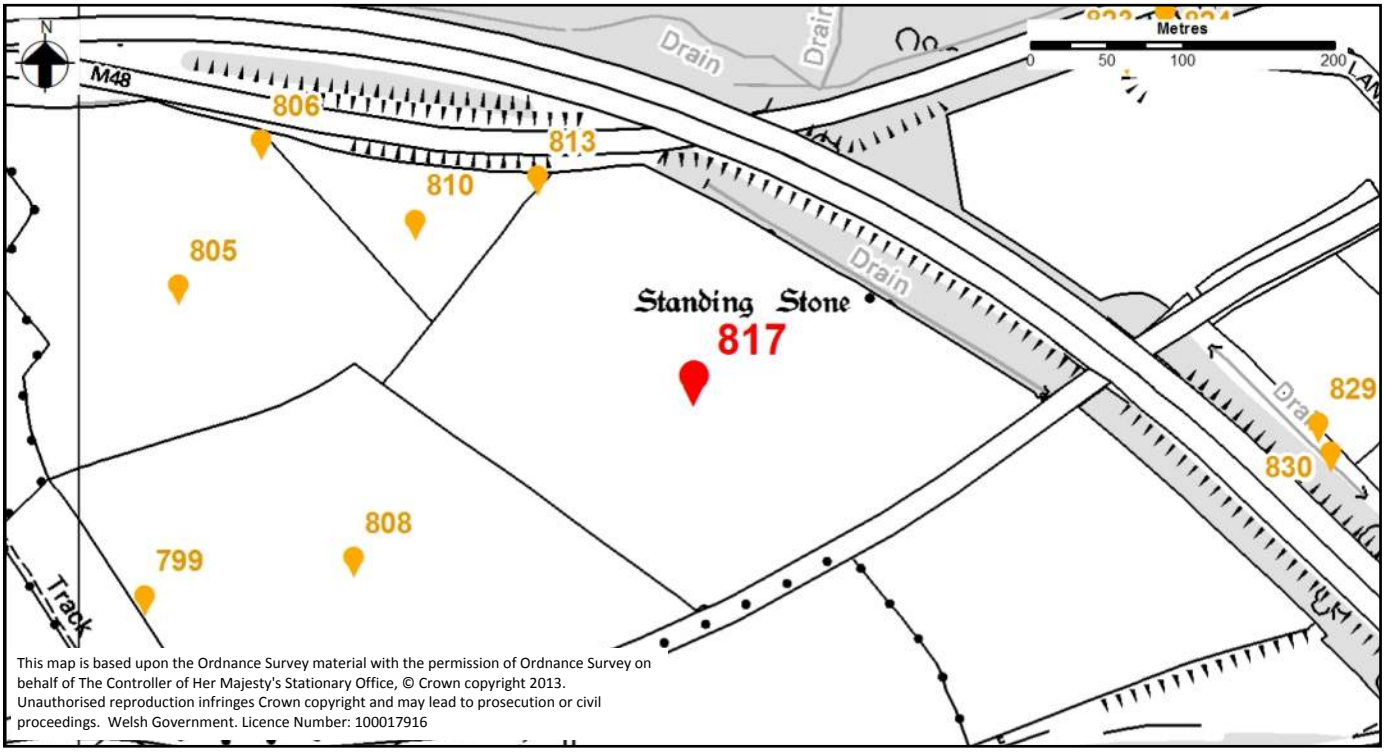

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	818	Date:		GPS:	51.59, -2.8

Dominant Habitats:

Target Note:

White clover, yarrow, appears sown, bare patches, cattle grazing

Potential for Protected Species:

Target Note Location Map:

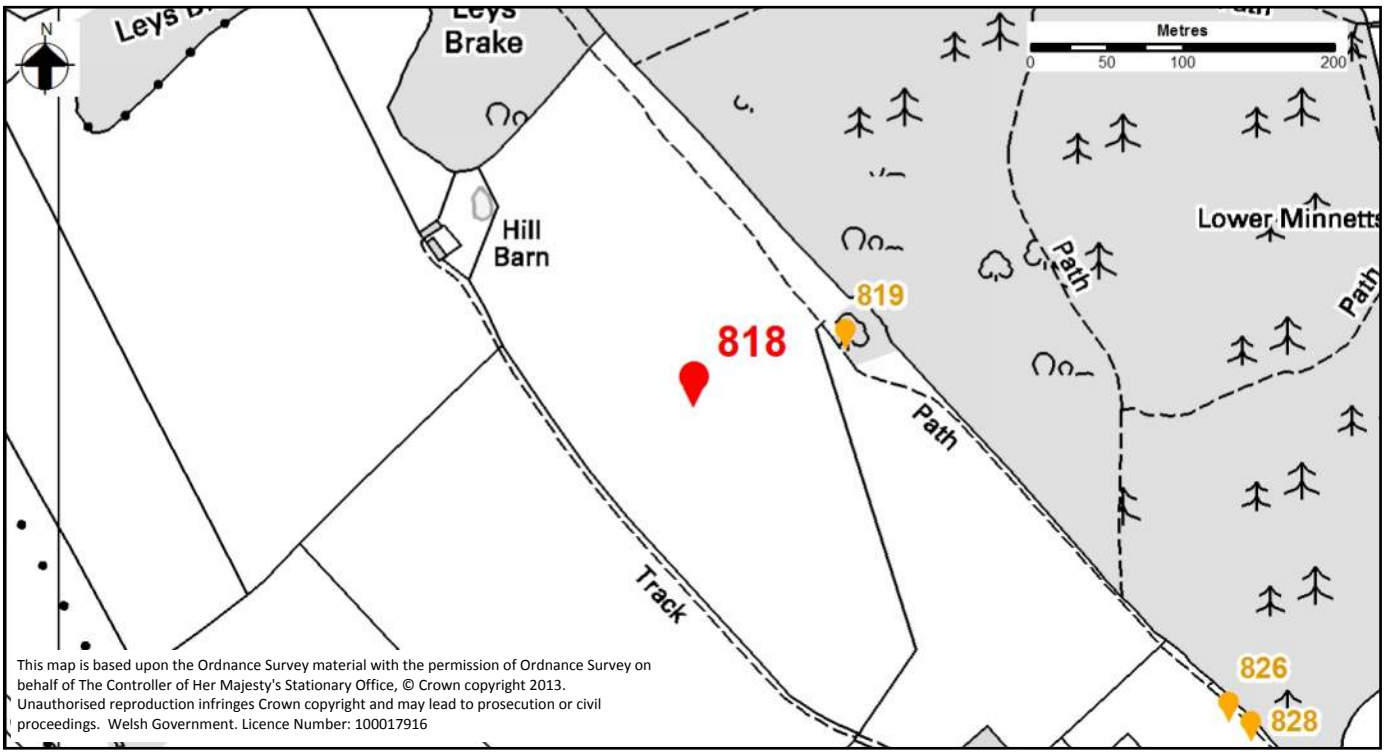

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	819	Date:	29-10-2014	GPS:	51.59, -2.8

Dominant Habitats:

Broadleaved woodland

Target Note:

Pile of rocks, suitable reptile and/or amphibian hibernacula

Potential for Protected Species:

Reptiles, amphibians

Target Note Location Map:

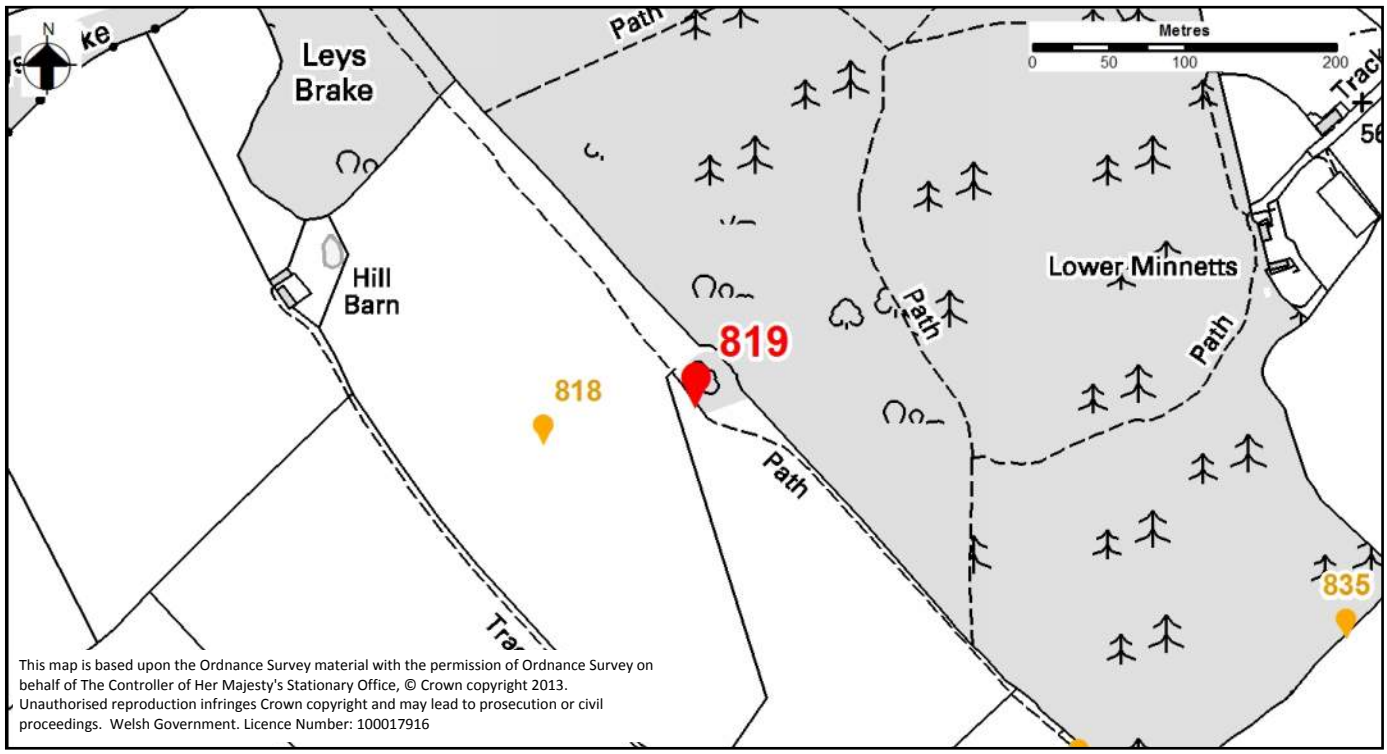

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	820	Date:		GPS:	51.58, -2.8

Dominant Habitats:

Target Note:

Mosaic of habitats spread throughout the area including introduced shrub (buddleia), ragwort, willowherb

Potential for Protected Species:

Target Note Location Map:

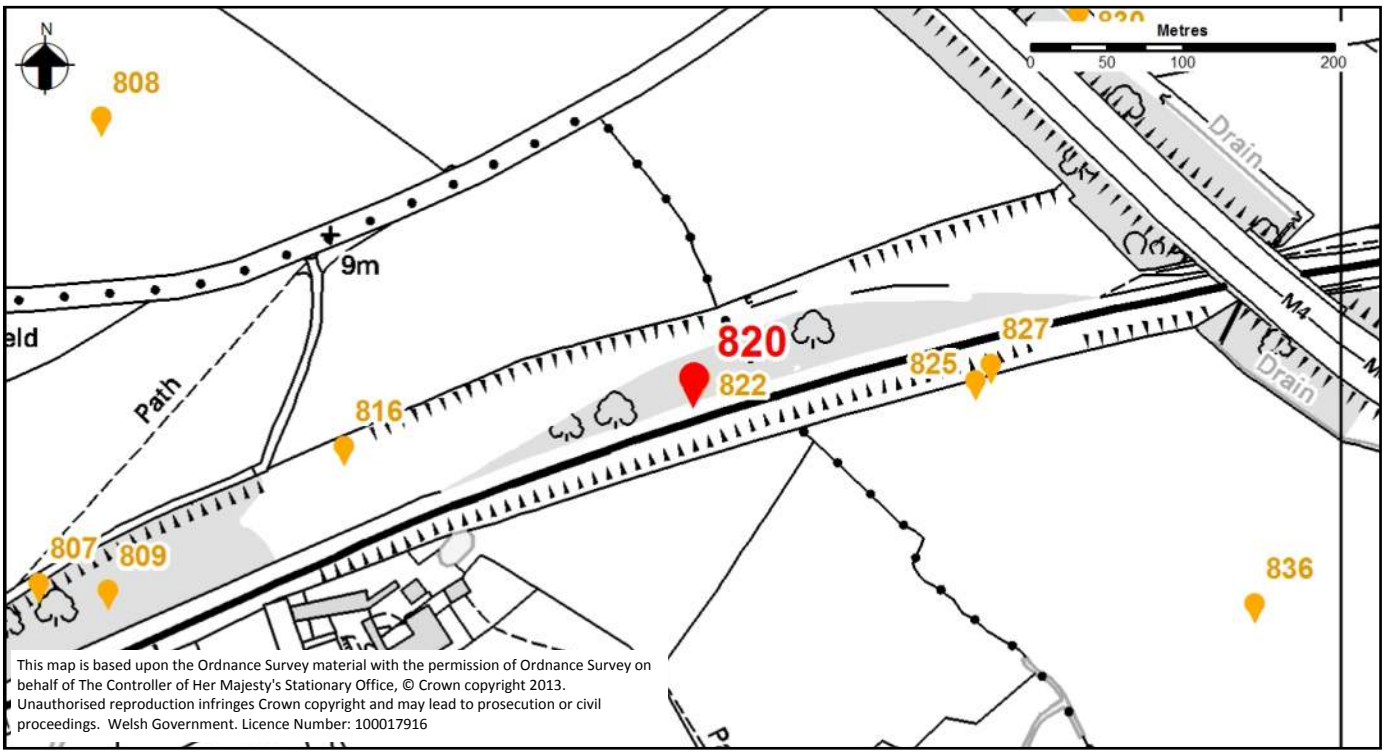

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	821	Date:		GPS:	51.58, -2.8

Dominant Habitats:

Target Note:

Mosaic of habitats spread throughout the area including introduced shrub (buddleia), ragwort, willowherb sp.

Potential for Protected Species:

Target Note Location Map:

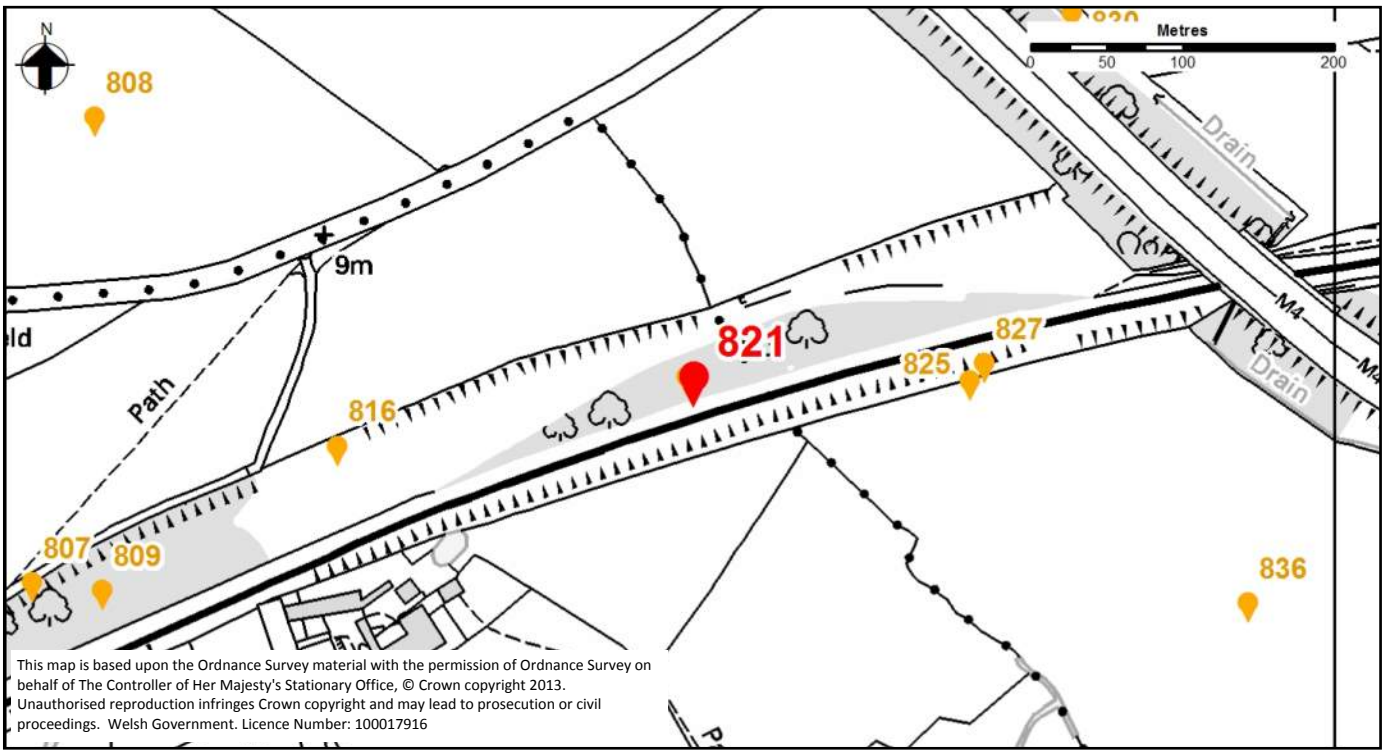

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	822	Date:		GPS:	51.58, -2.8

Dominant Habitats:

Target Note:

Mosaic of habitats spread throughout the area including introduced shrub (buddleia), ragwort, willowherb sp.

Potential for Protected Species:

Target Note Location Map:

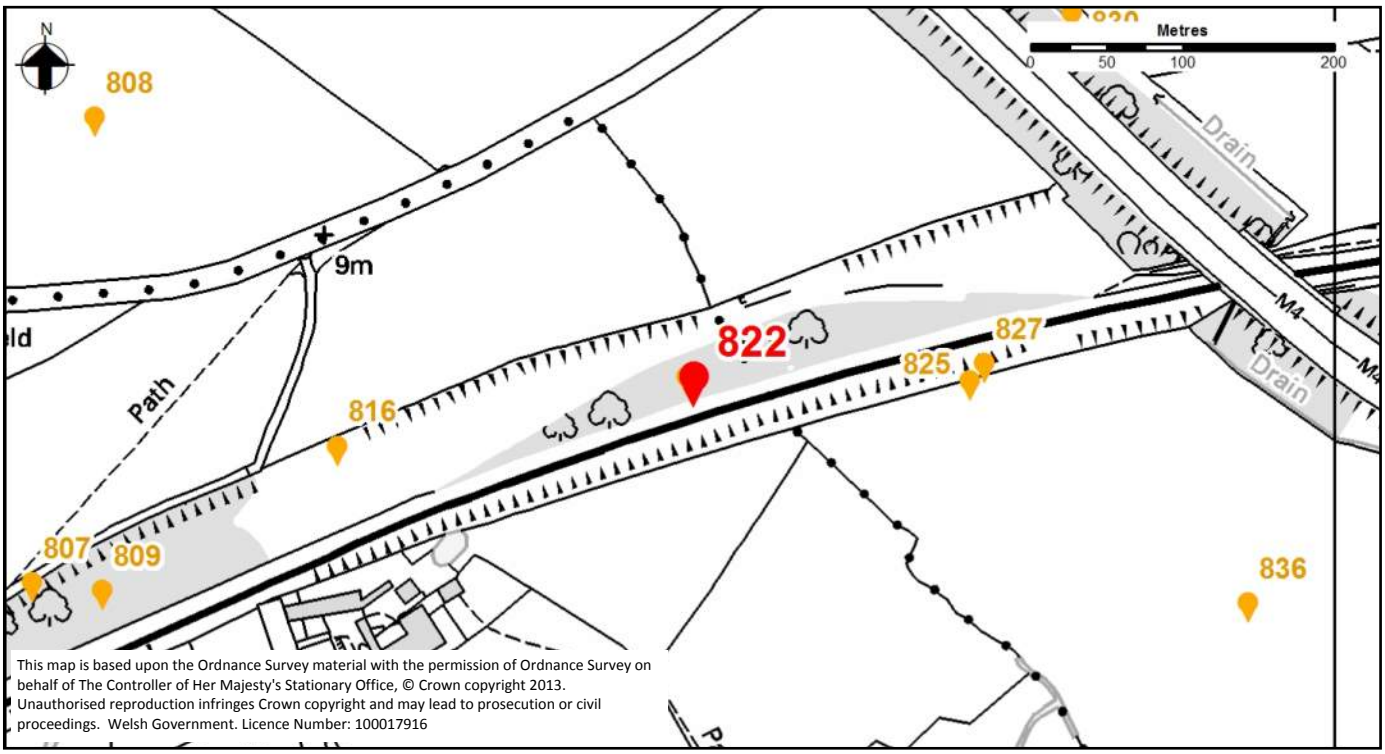

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	823	Date:	12-06-2014 14:27	GPS:	51.59, -2.8

Dominant Habitats:

Improved grassland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

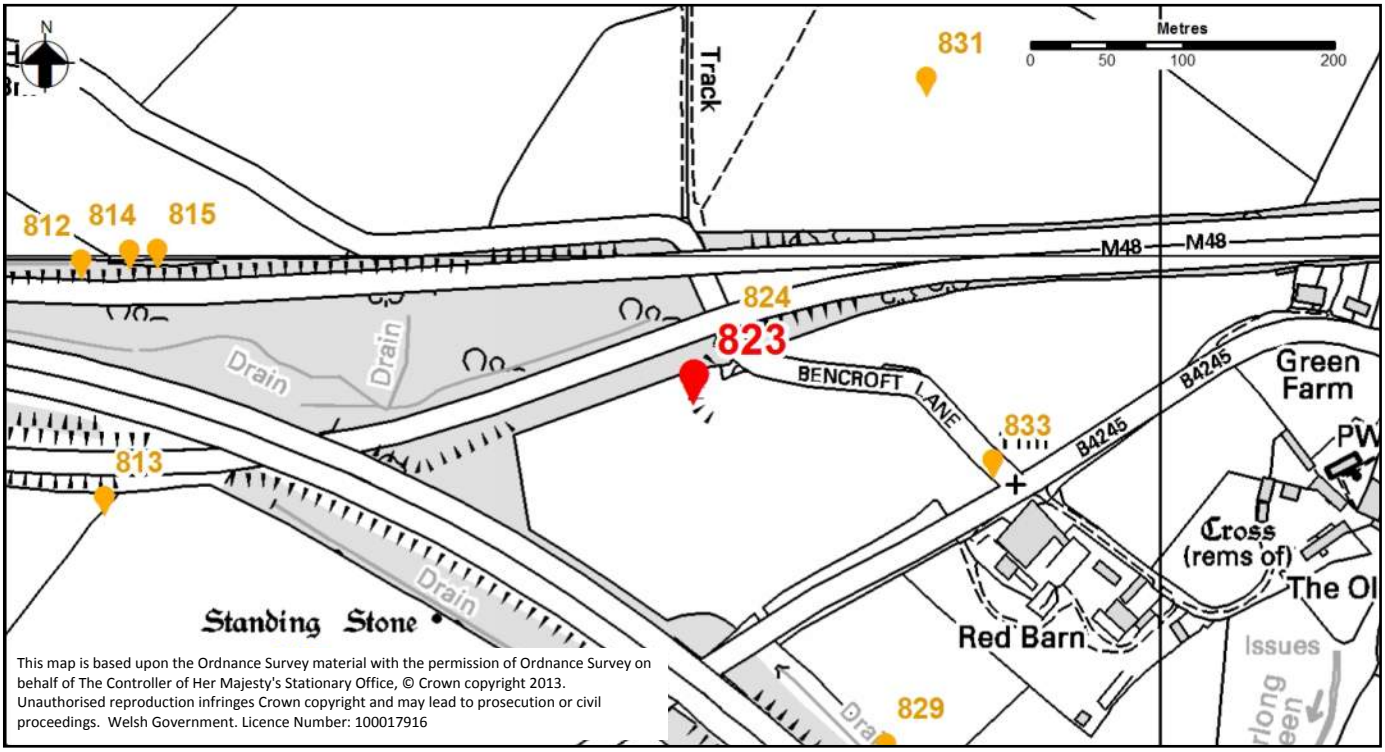

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	824	Date:	05-06-2014	GPS:	51.59, -2.8

Dominant Habitats:

Semi-improved neutral grassland

Target Note:

Species rich grass verge: black knapweed, oxeye daisy, ribwort plantain, cock's foot, cow parsley, tufted vetch.

Potential for Protected Species:

Target Note Location Map:

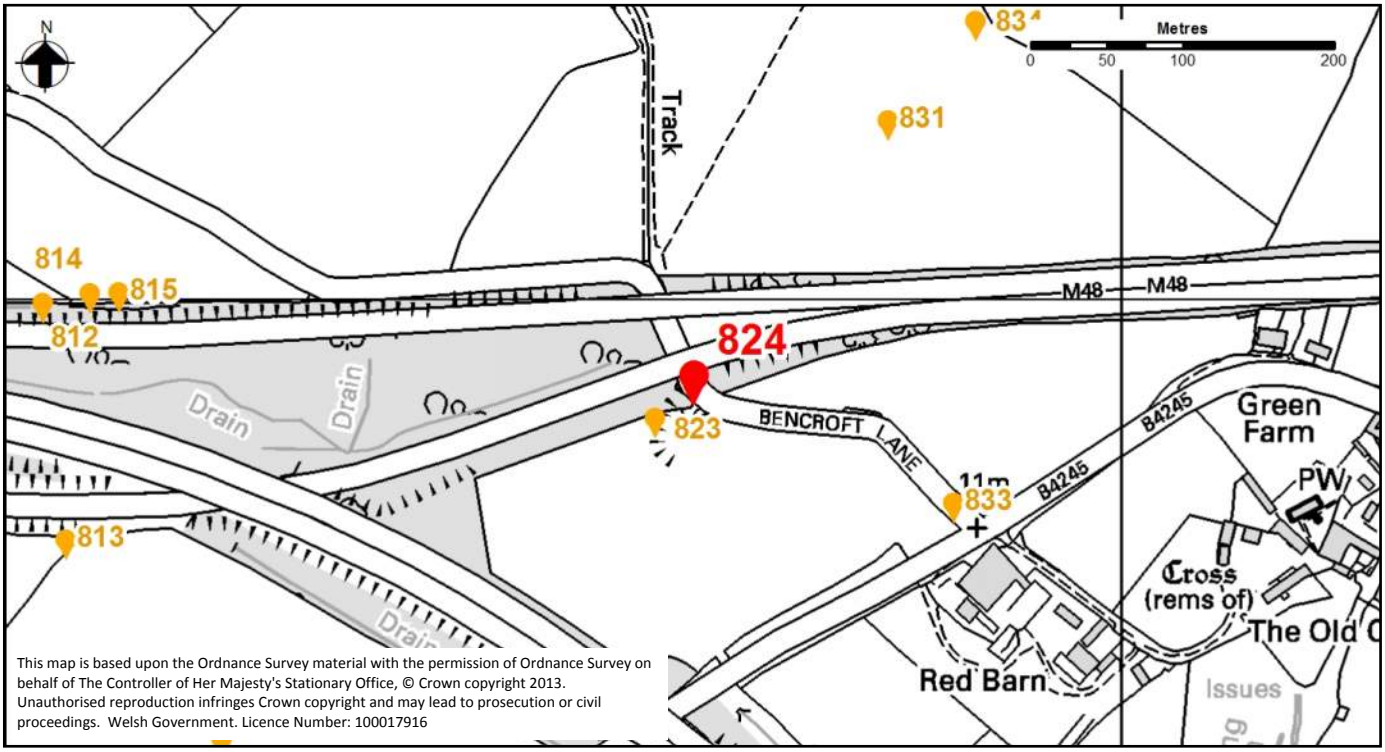

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	825	Date:		GPS:	51.58, -2.8

Dominant Habitats:

Target Note:

Bramble, hawthorn, willowherb sp., common nettle

Potential for Protected Species:

Target Note Location Map:

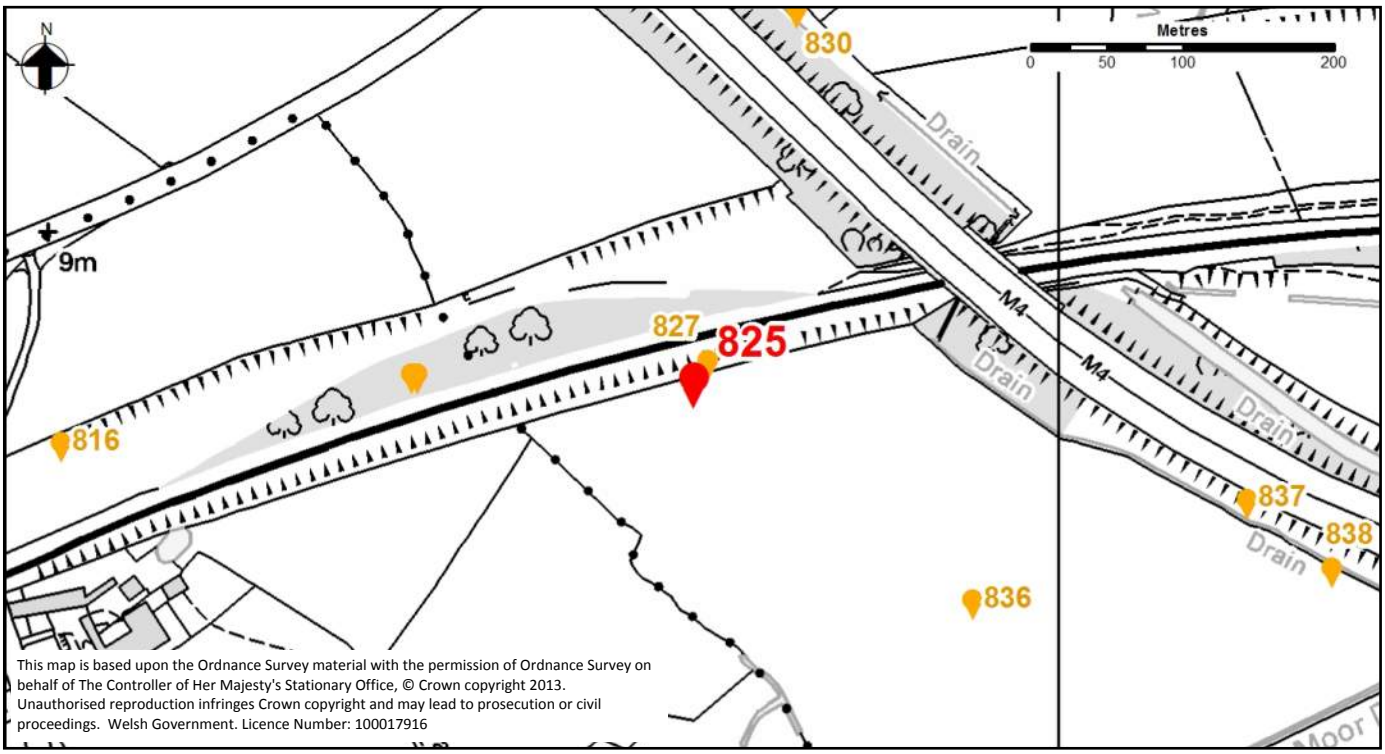

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	826	Date:	29-10-2014	GPS:	51.59, -2.8

Dominant Habitats:

Woodland and field edge

Target Note:

Badger sett, at least 3 holes on edge of woodland with fresh spoil

Potential for Protected Species:

Badger

Target Note Location Map:

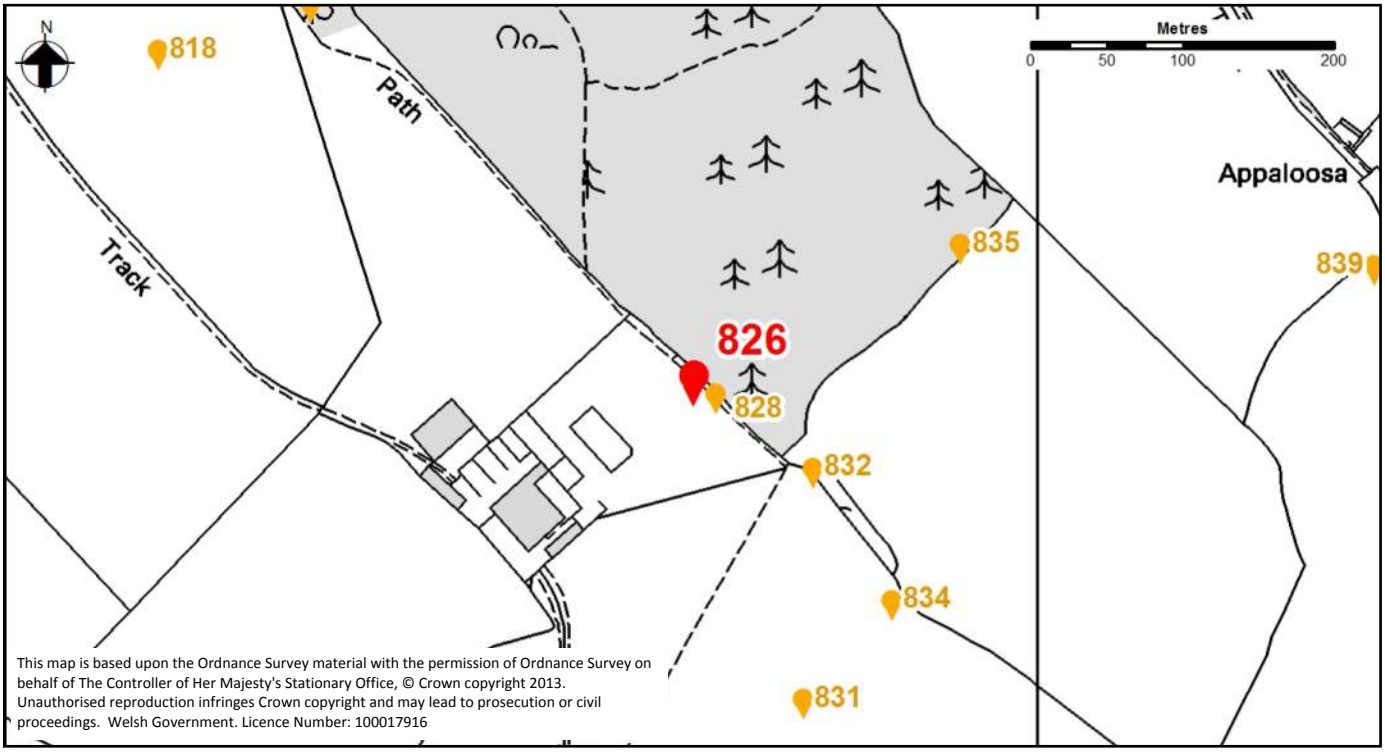

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	827	Date:		GPS:	51.58, -2.8

Dominant Habitats:

Target Note:

Bramble, hawthorn, willowherb, common nettle

Potential for Protected Species:

Target Note Location Map:

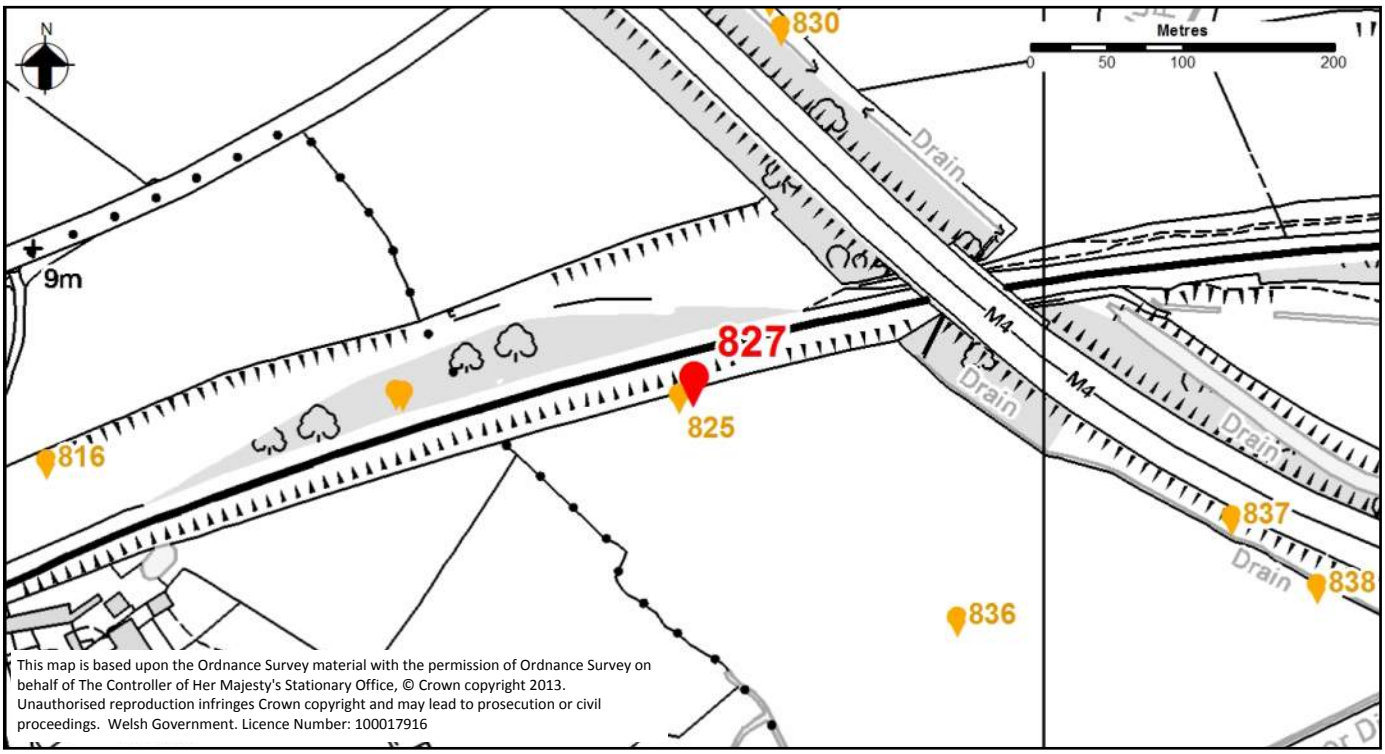

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	828	Date:		GPS:	51.59, -2.8

Dominant Habitats:

Target Note:

Badger sett

Potential for Protected Species:

Badger

Target Note Location Map:

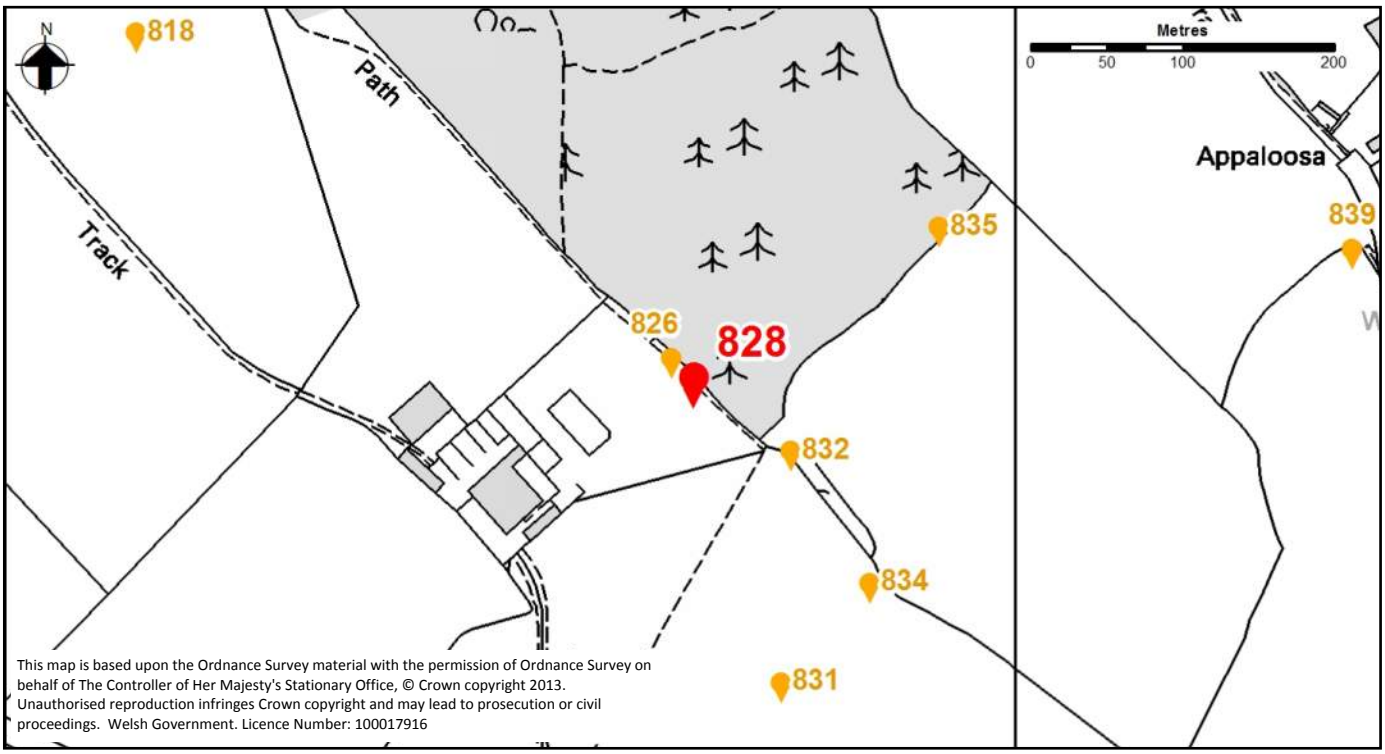

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	829	Date:	12-06-2014 15:52	GPS:	51.59, -2.8

Dominant Habitats:

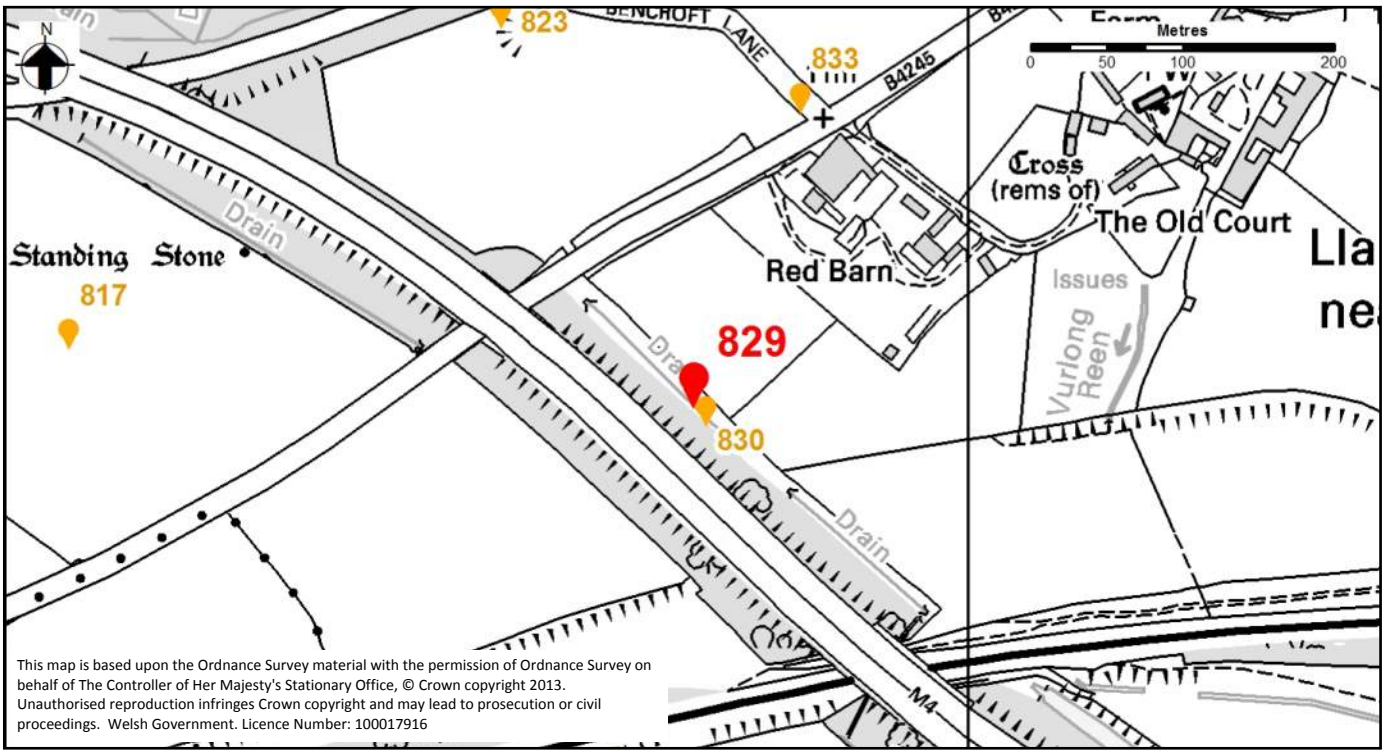
Improved grassland/scrub

Target Note:

Mammal pathway under fence

Potential for Protected Species:

Target Note Location Map:



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Extended Phase 1 Target Notes

Target Note Number:	830	Date:	12-06-2014 15:51	GPS:	51.59, -2.8

Dominant Habitats:

Improved grassland/scrub

Target Note:

Mammal pathway under fence

Potential for Protected Species:

Target Note Location Map:

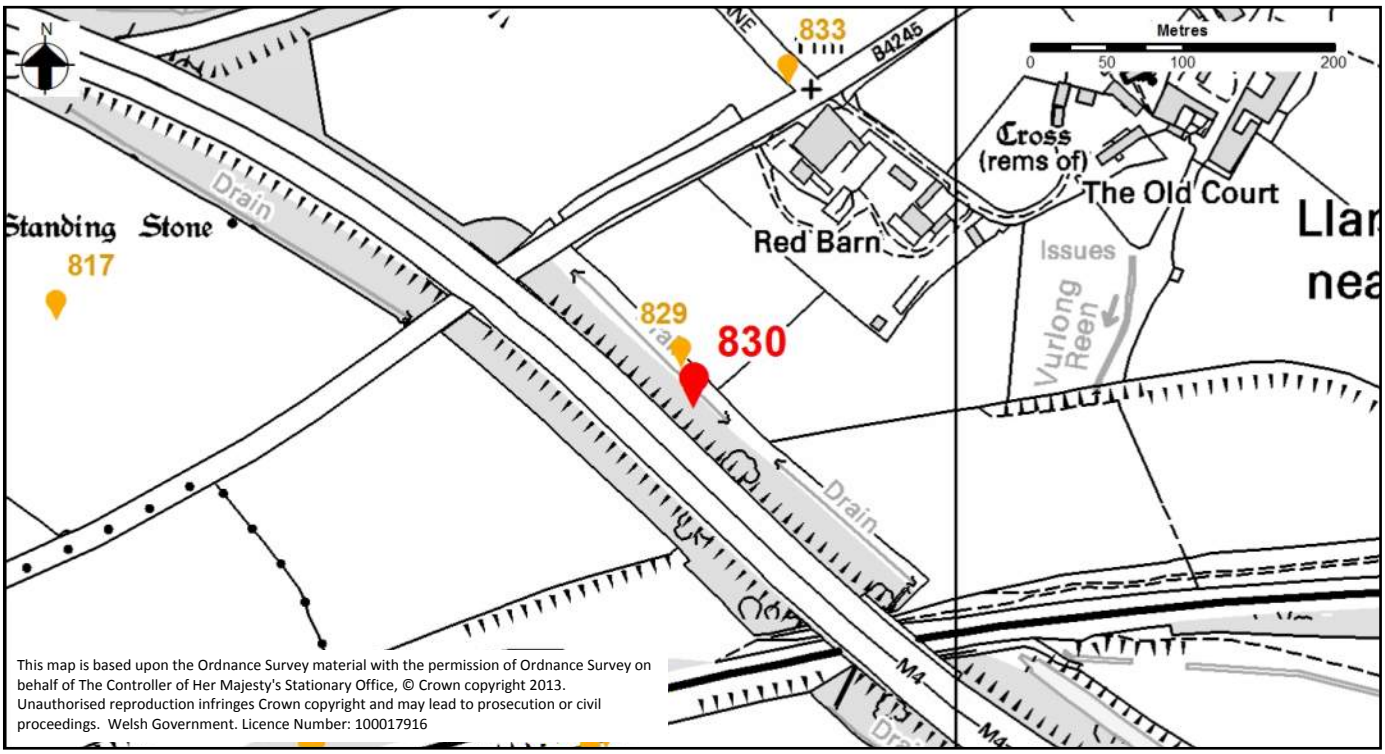

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	831	Date:		GPS:	51.59, -2.8

Dominant Habitats:

Target Note:

White clover, yarrow, hoary plantain, species poor, no grazing currently.

Potential for Protected Species:

Target Note Location Map:

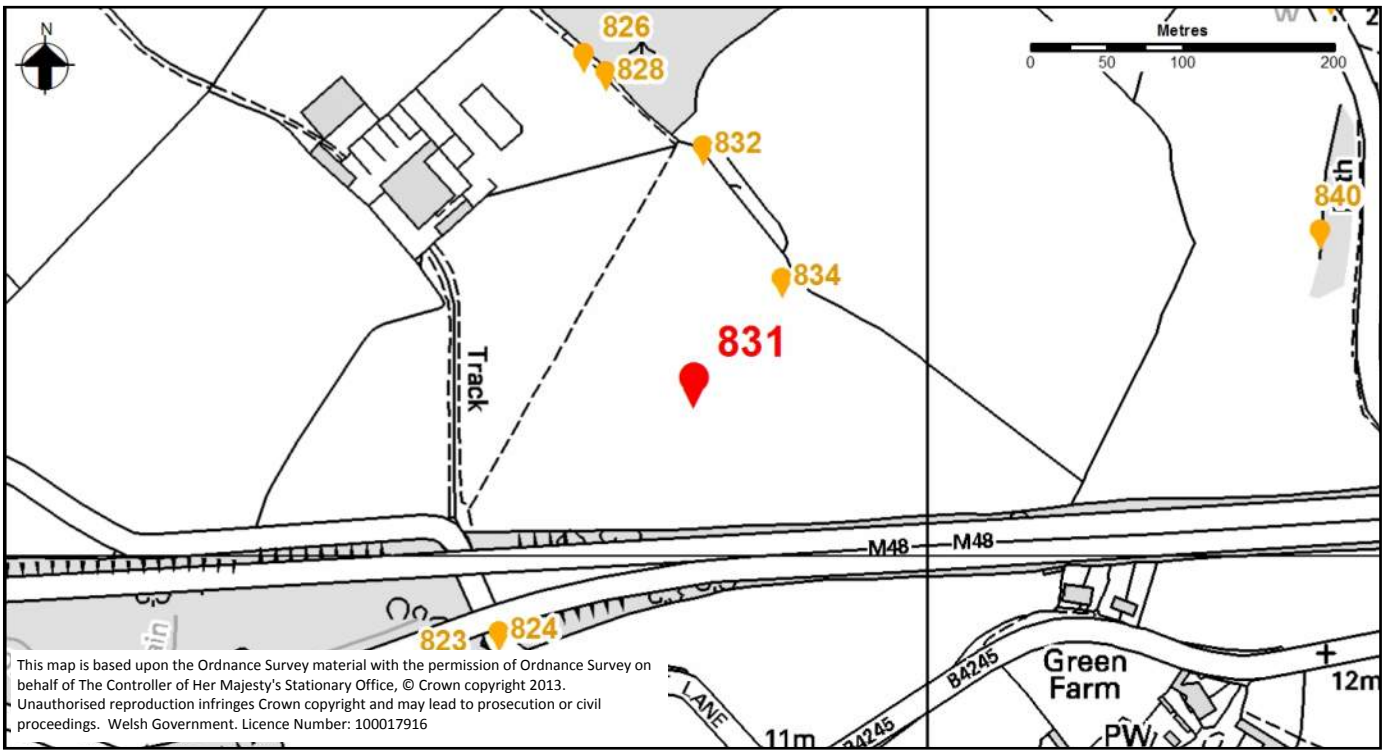

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	832	Date:	05-06-2014 14:30	GPS:	51.59, -2.8

Dominant Habitats:

Semi-natural broadleaved woodland

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

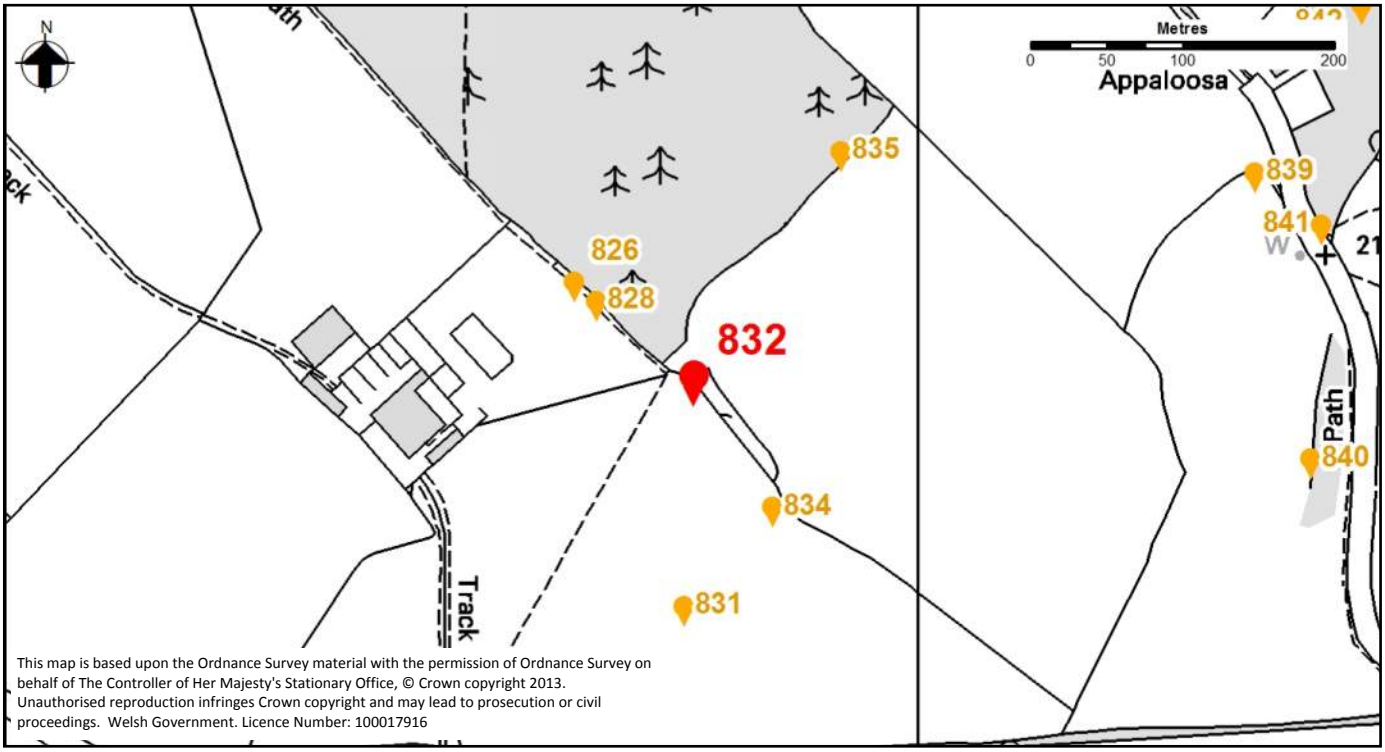

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	833	Date:	05-06-2014	GPS:	51.59, -2.8

Dominant Habitats:

Hardstanding

Target Note:

Dead hedgehog

Potential for Protected Species:

Target Note Location Map:

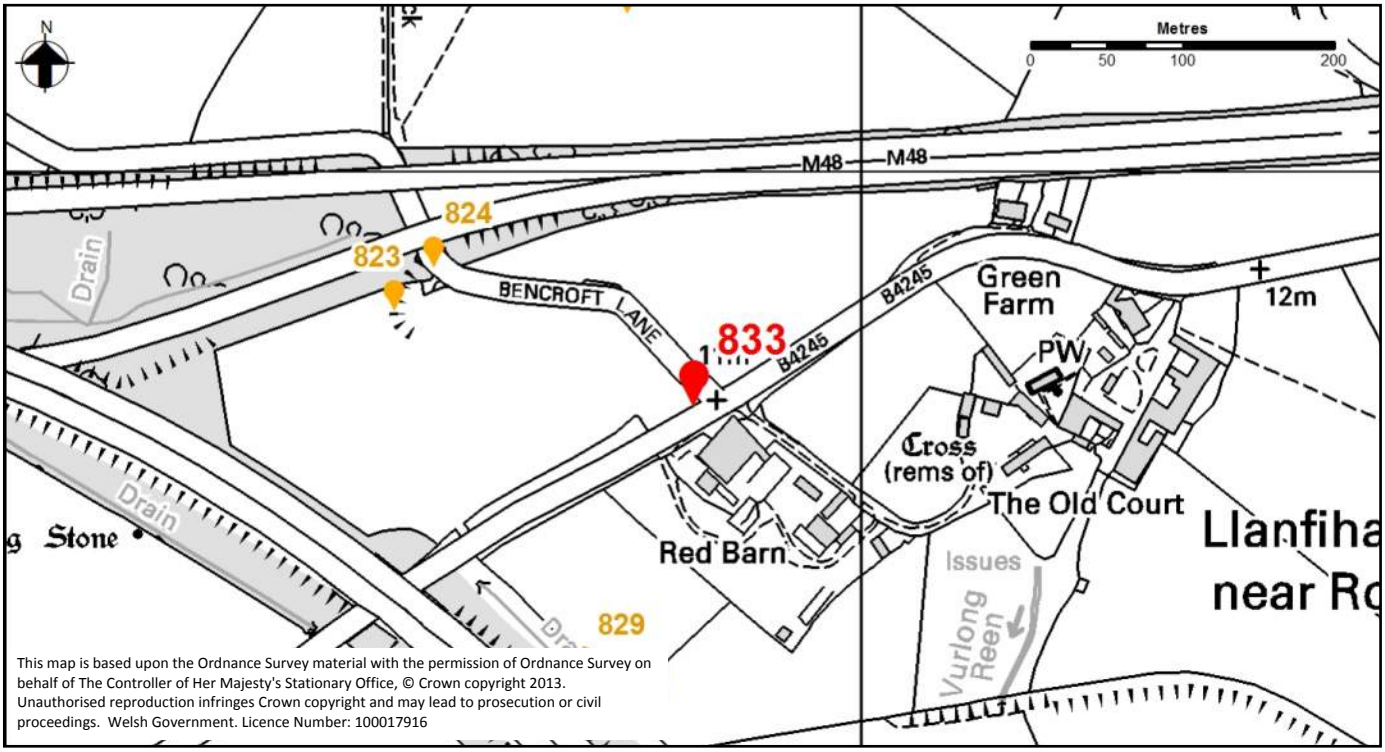

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	834	Date:	29-10-2014	GPS:	51.59, -2.8

Dominant Habitats:

Hedgerow

Target Note:

Rabbit burrow in hedge

Potential for Protected Species:

Target Note Location Map:

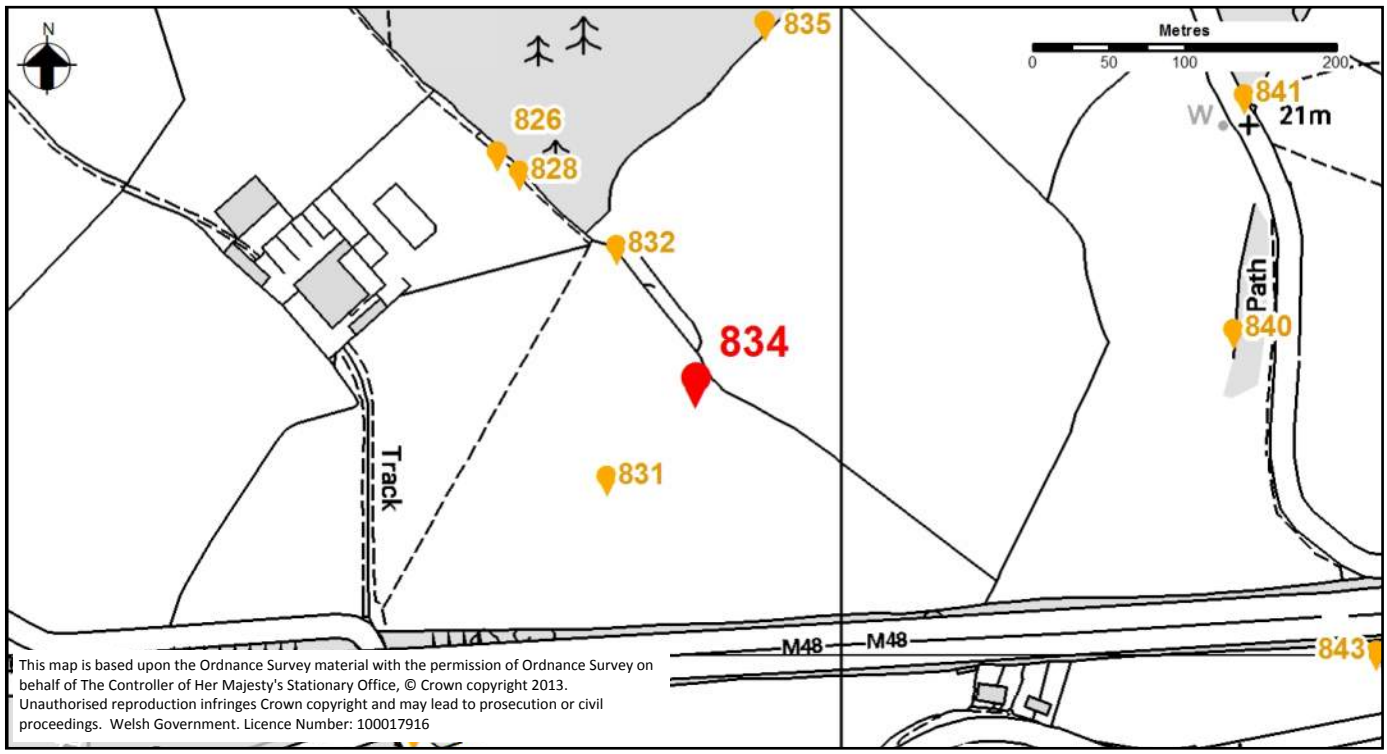

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	835	Date:	05-06-2014	GPS:	51.59, -2.8

Dominant Habitats:

Semi-natural broadleaved woodland

Target Note:

Area of broadleaved woodland with ash, small leaved lime, hazel, beech, oak.

Potential for Protected Species:

Target Note Location Map:

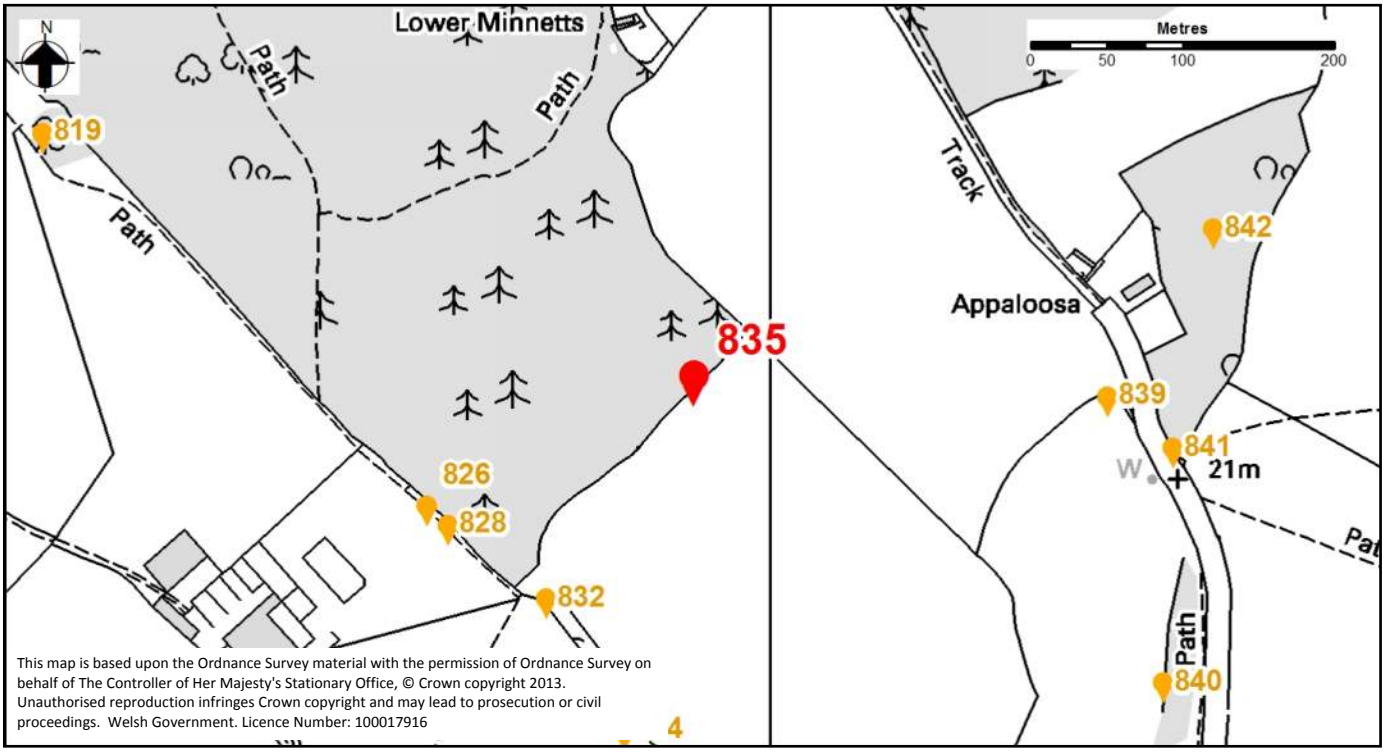

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	836	Date:		GPS:	51.58, -2.8

Dominant Habitats:

Target Note:

Dominant species: Perennial ryegrass. White clover, meadow foxtail, buttercup sp., Yorkshire fog.

Potential for Protected Species:

Target Note Location Map:

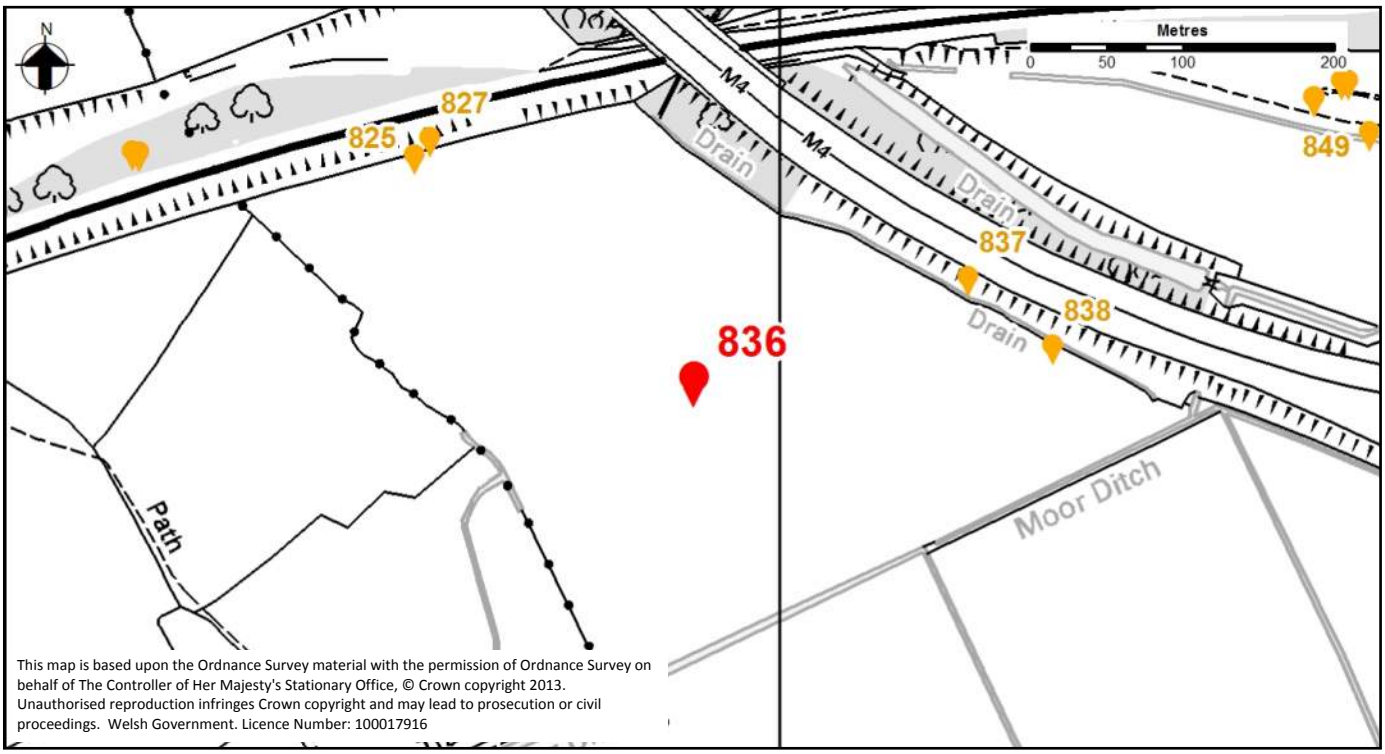

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	837	Date:	07-08-2014	GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Giant hogweed off site

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

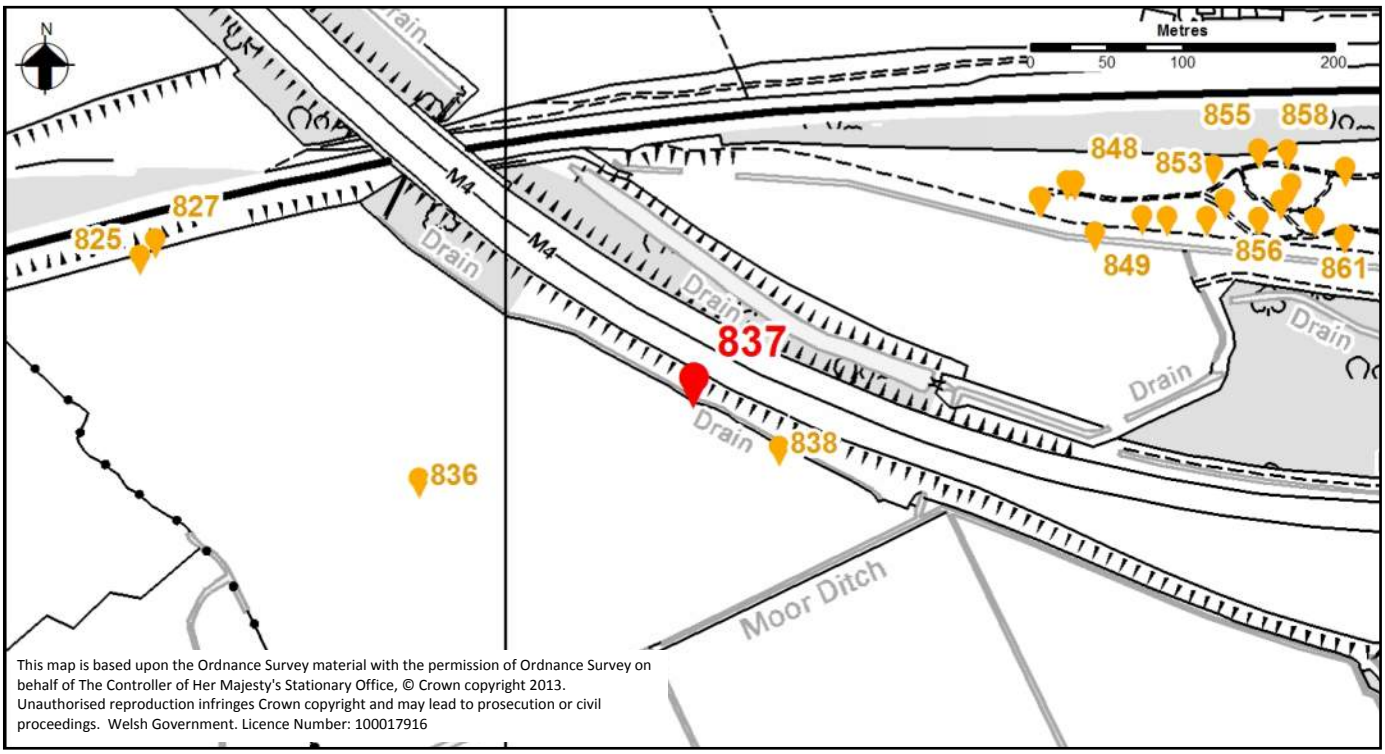

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	838	Date:	07-08-2014 10:54	GPS:	51.58, -2.79

Dominant Habitats:

Scrub

Target Note:

Mammal path under scrub leading into bramble scrub by M4 embankment

Potential for Protected Species:

Target Note Location Map:

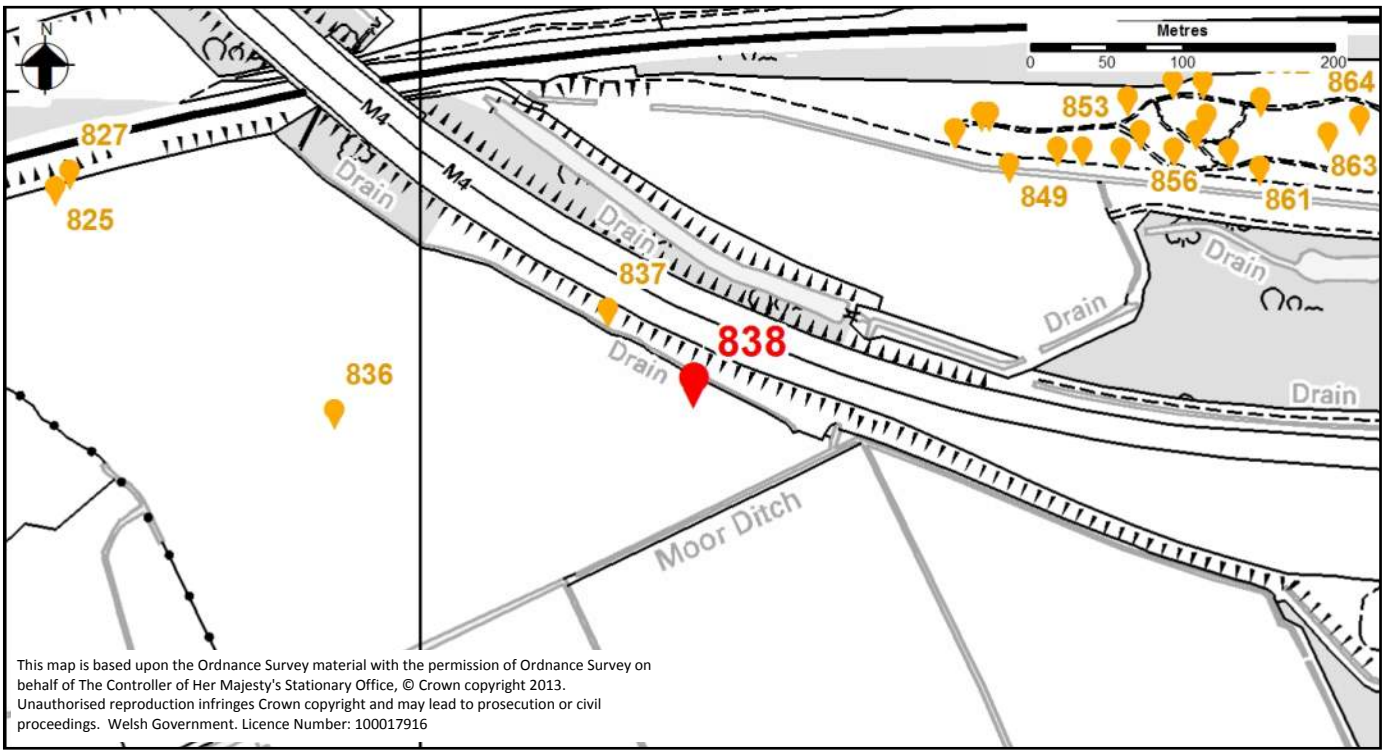

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	839	Date:	05-06-2014 14:07	GPS:	51.59, -2.79

Dominant Habitats:

Tall ruderal

Target Note:

Mammal pathway

Potential for Protected Species:

Target Note Location Map:

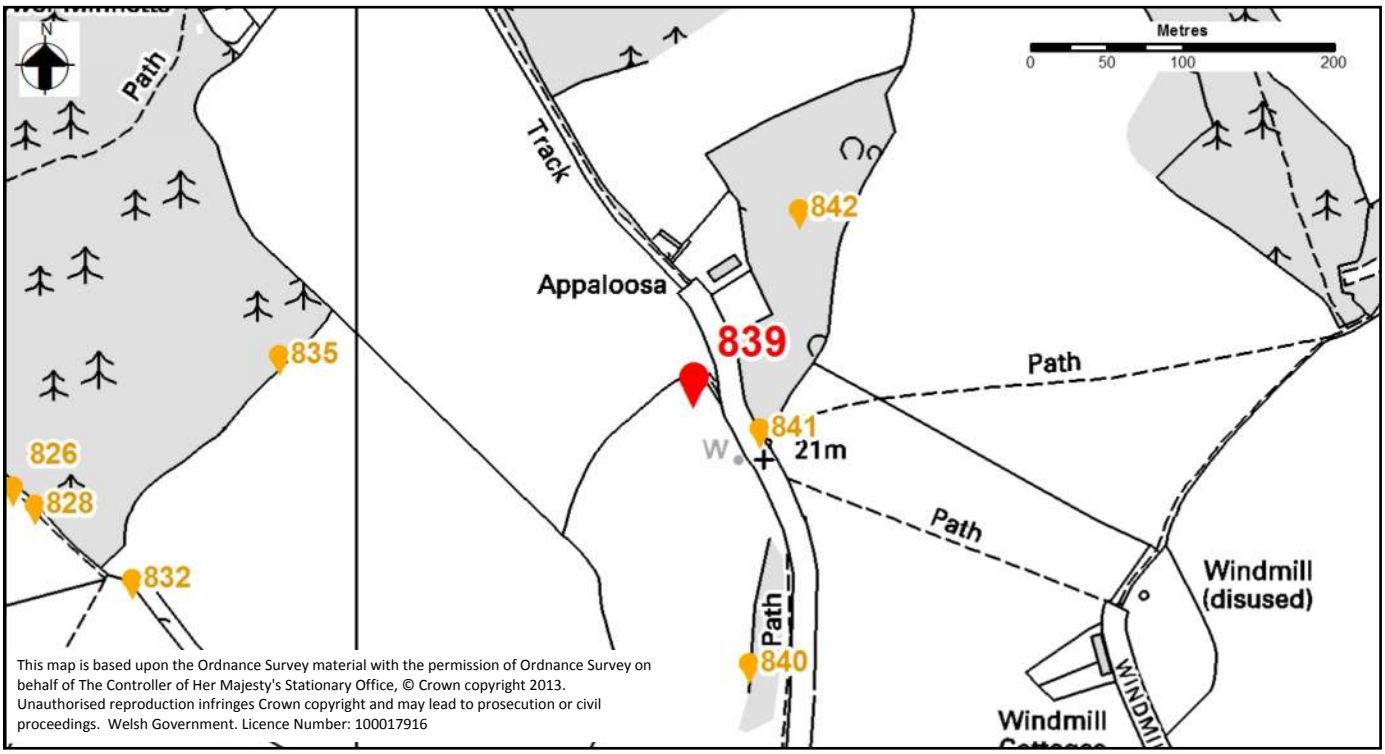

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	840	Date:	05-06-2014	GPS:	51.59, -2.79

Dominant Habitats:

Semi-natural broadleaved woodland

Potential for Protected Species:

Target Note:

Area of ash woodland on bank. Understorey mainly nettles. Trees on west side at top of bank were once part of hedge line and were layed. Rabbit burrows.

Target Note Location Map:

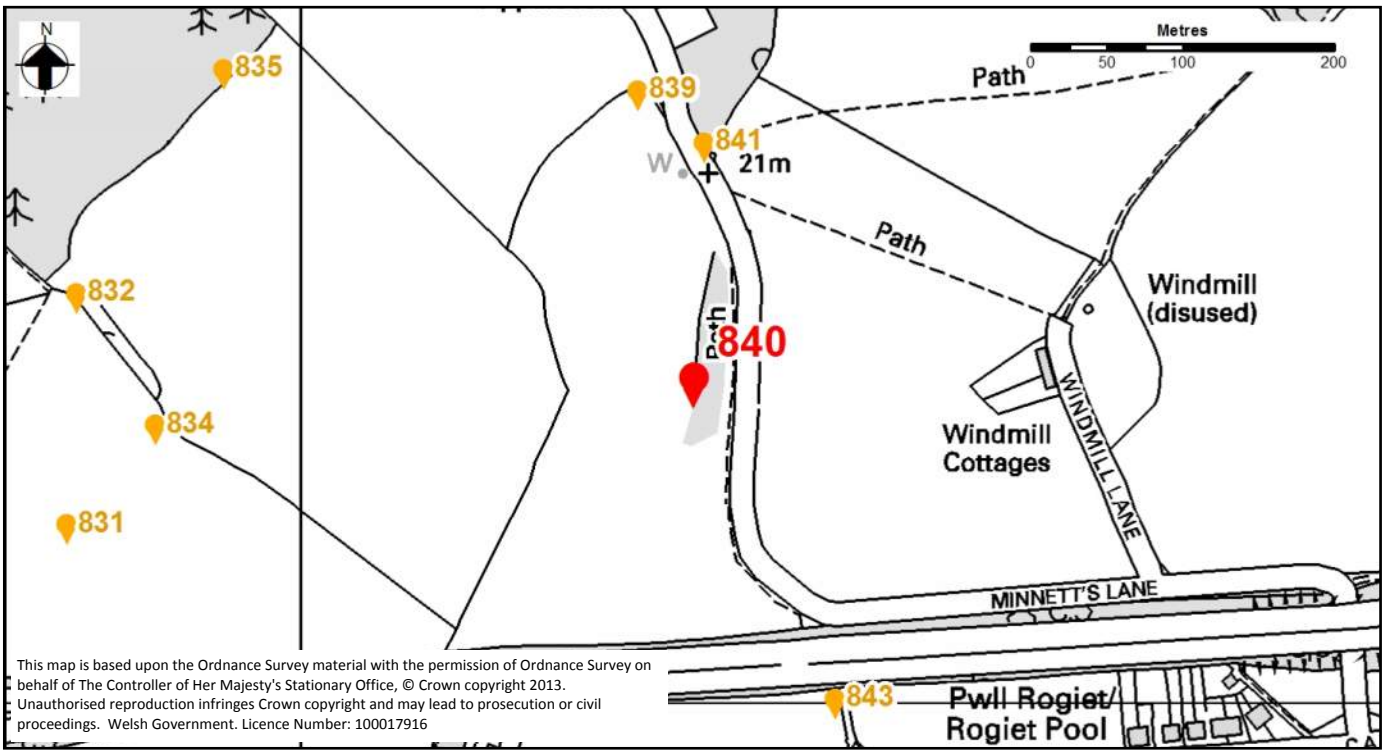

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	841	Date:		GPS:	51.59, -2.79

Dominant Habitats:

Target Note:

Holes present, two potential disused badger setts

Potential for Protected Species:

Badger

Target Note Location Map:

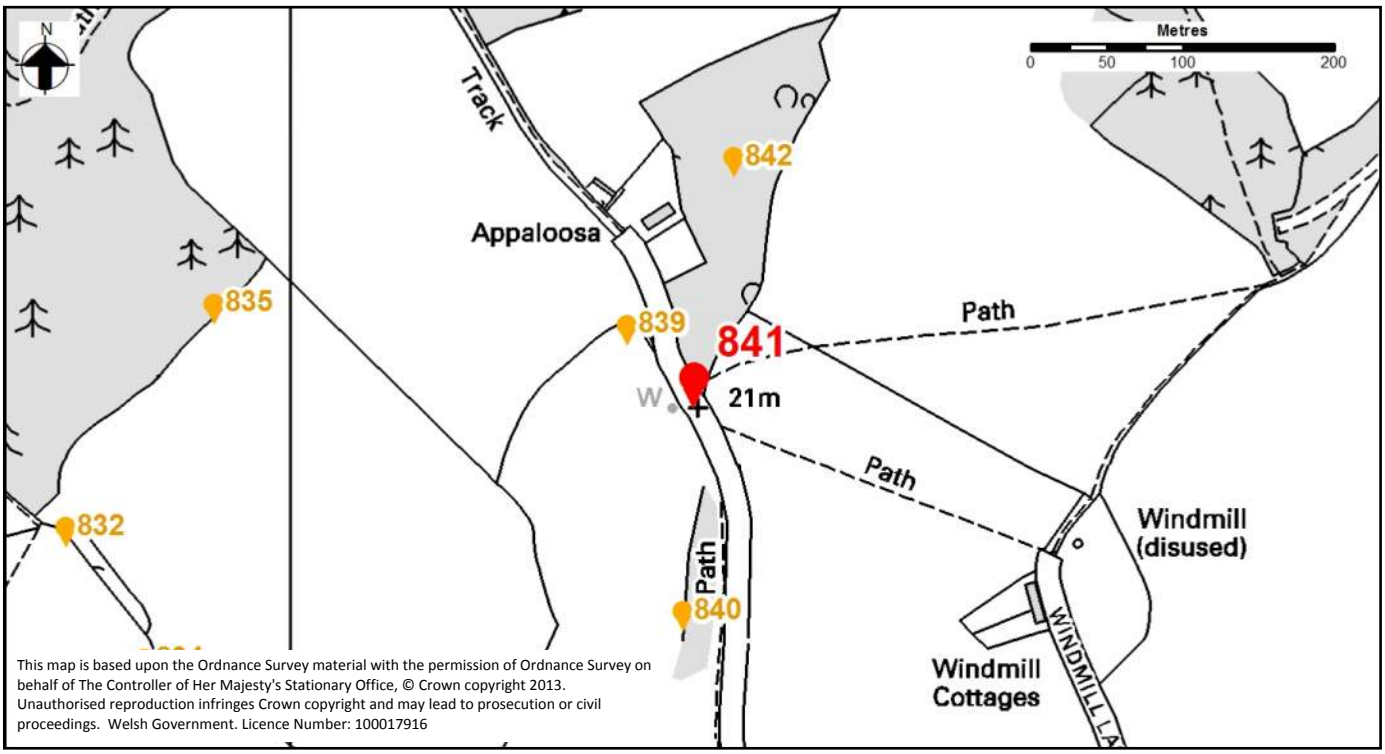


Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	842	Date:		GPS:	51.59, -2.79

Dominant Habitats:

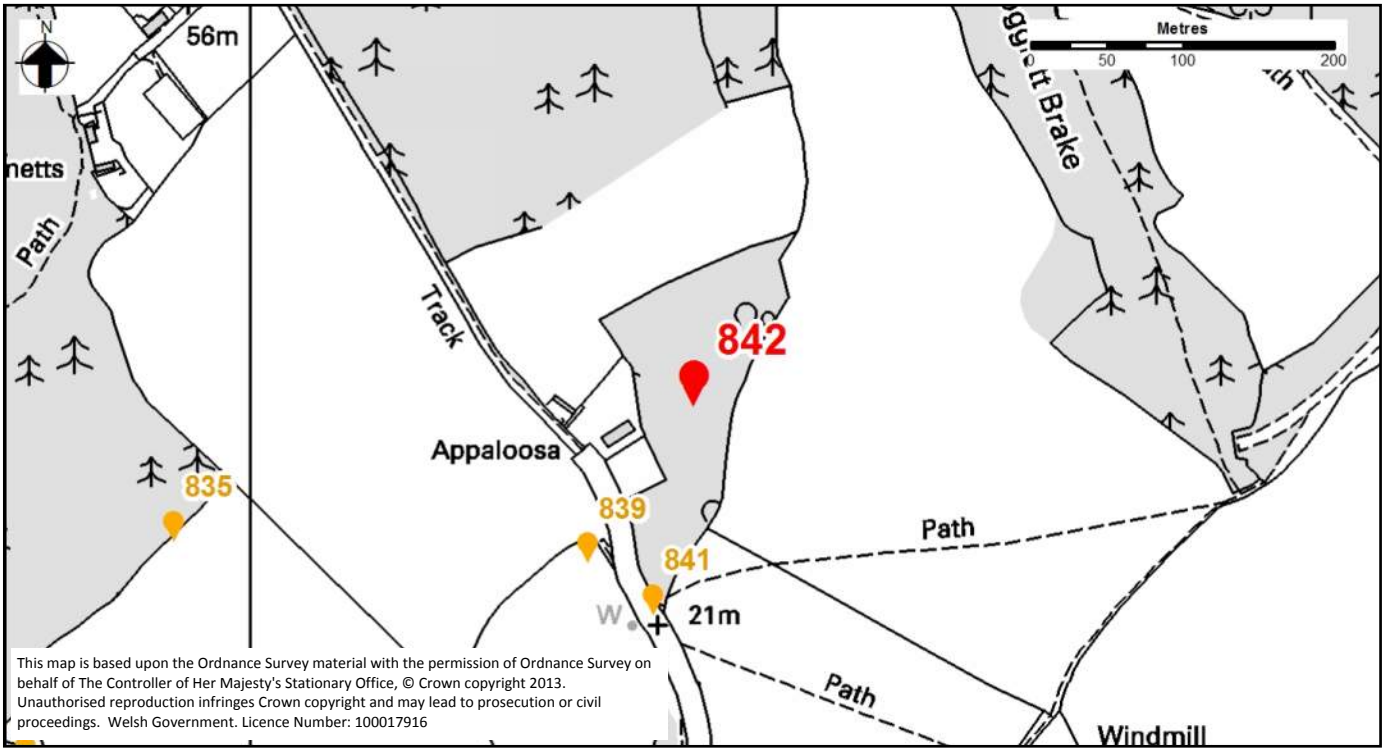
Target Note:

Log piles for present. Rabbit and blue tits sighted

Potential for Protected Species:

Reptiles, amphibians, rabbit, birds

Target Note Location Map:



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Extended Phase 1 Target Notes

Target Note Number:	843	Date:	12-06-2014 14:58	GPS:	51.59, -2.79

Dominant Habitats:

Improved grassland/tall ruderal

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

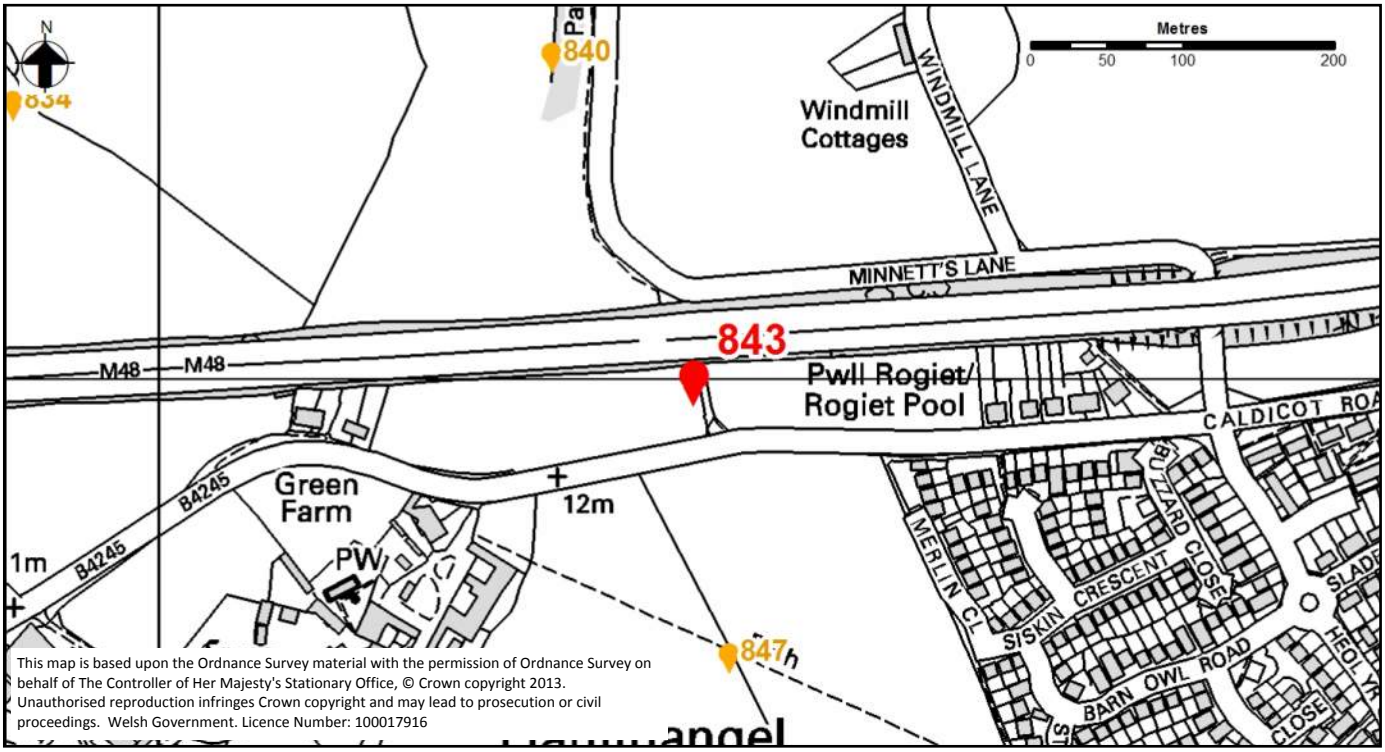

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	844	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Buddleia, bramble

Potential for Protected Species:

Target Note Location Map:

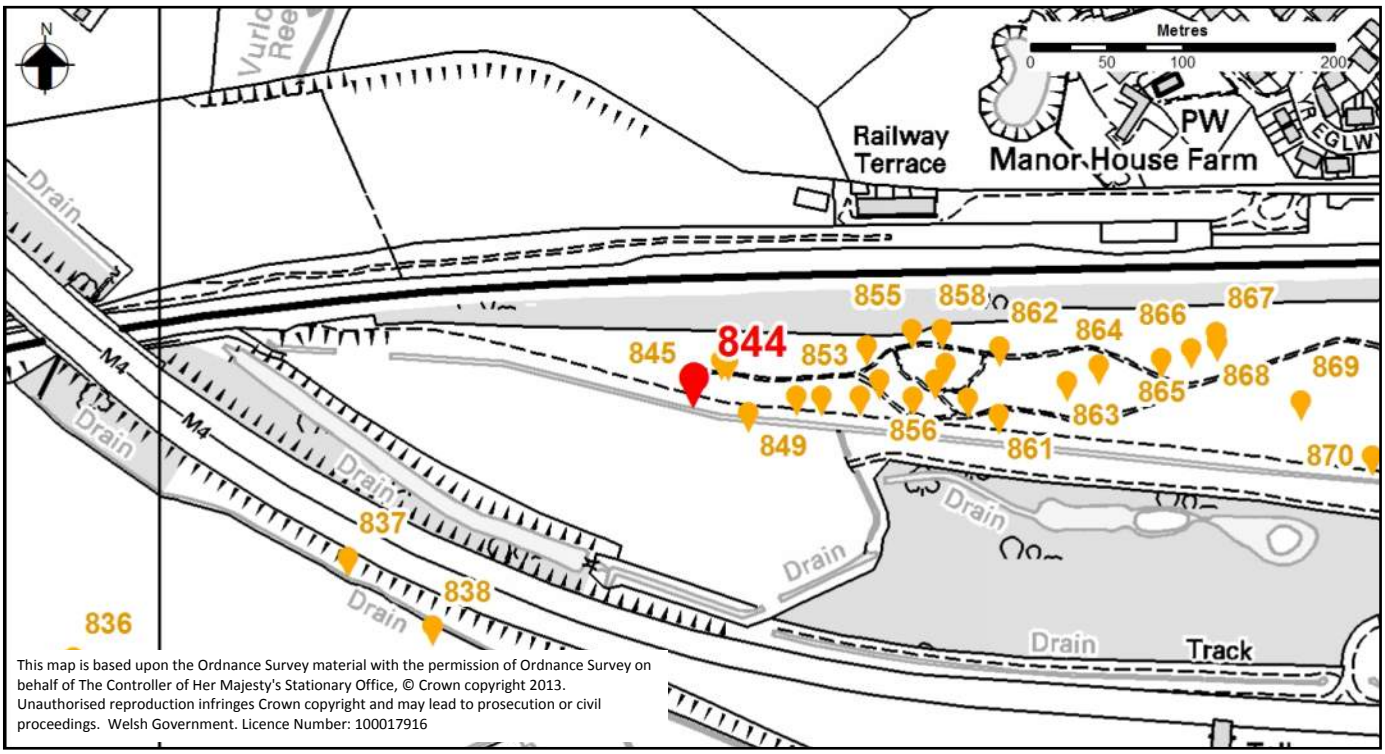

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	845	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Buddleia, bramble

Potential for Protected Species:

Target Note Location Map:

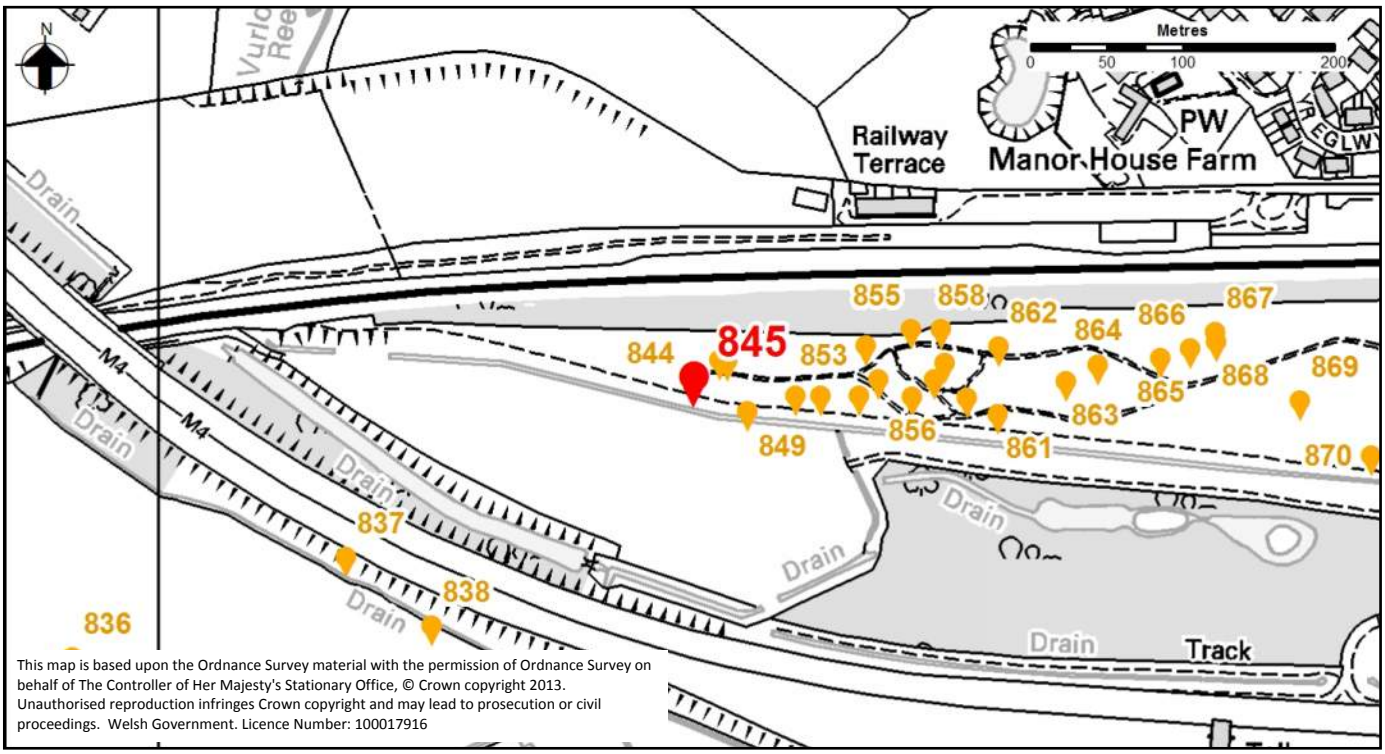

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	846	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble, buddleia

Potential for Protected Species:

Target Note Location Map:

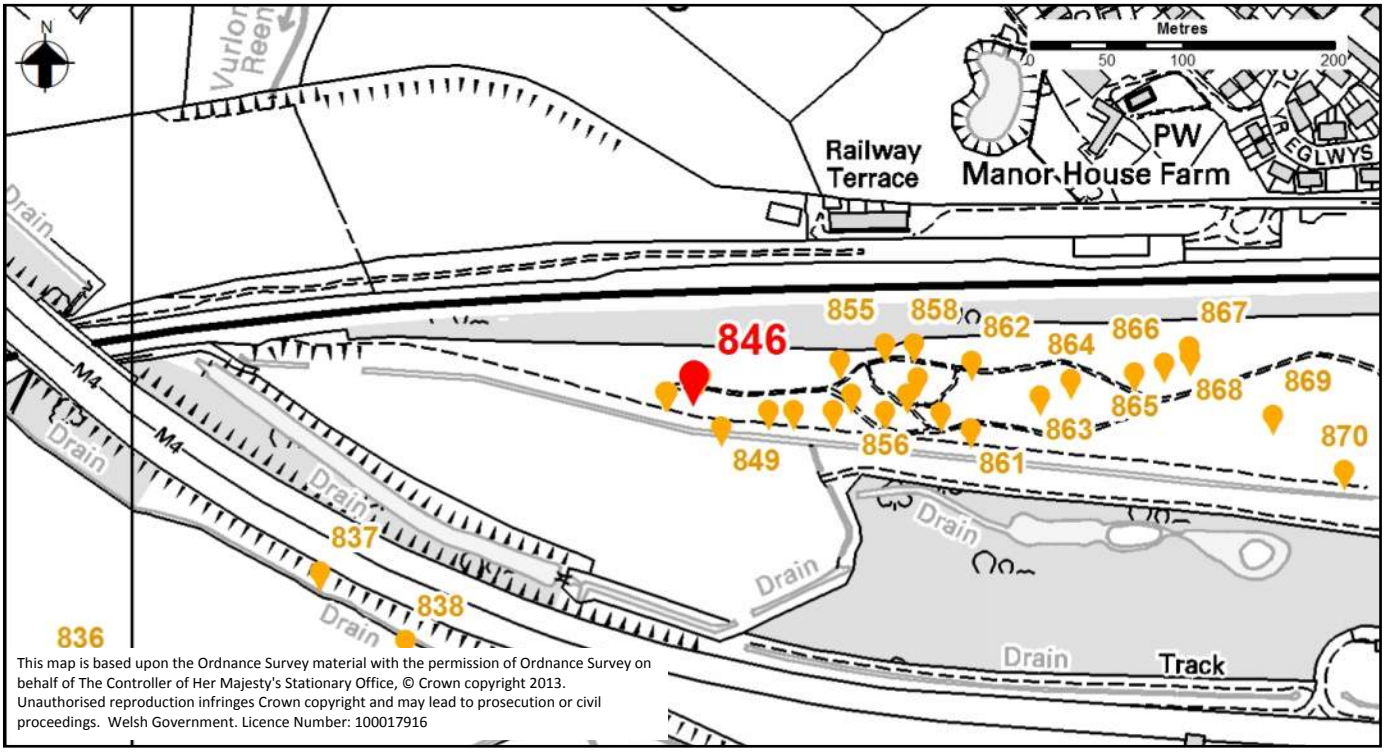

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	847	Date:	12-06-2014 15:18	GPS:	51.59, -2.79

Dominant Habitats:

Improved grassland/scrub

Target Note:

Mammal pathway into vegetation

Potential for Protected Species:

Target Note Location Map:

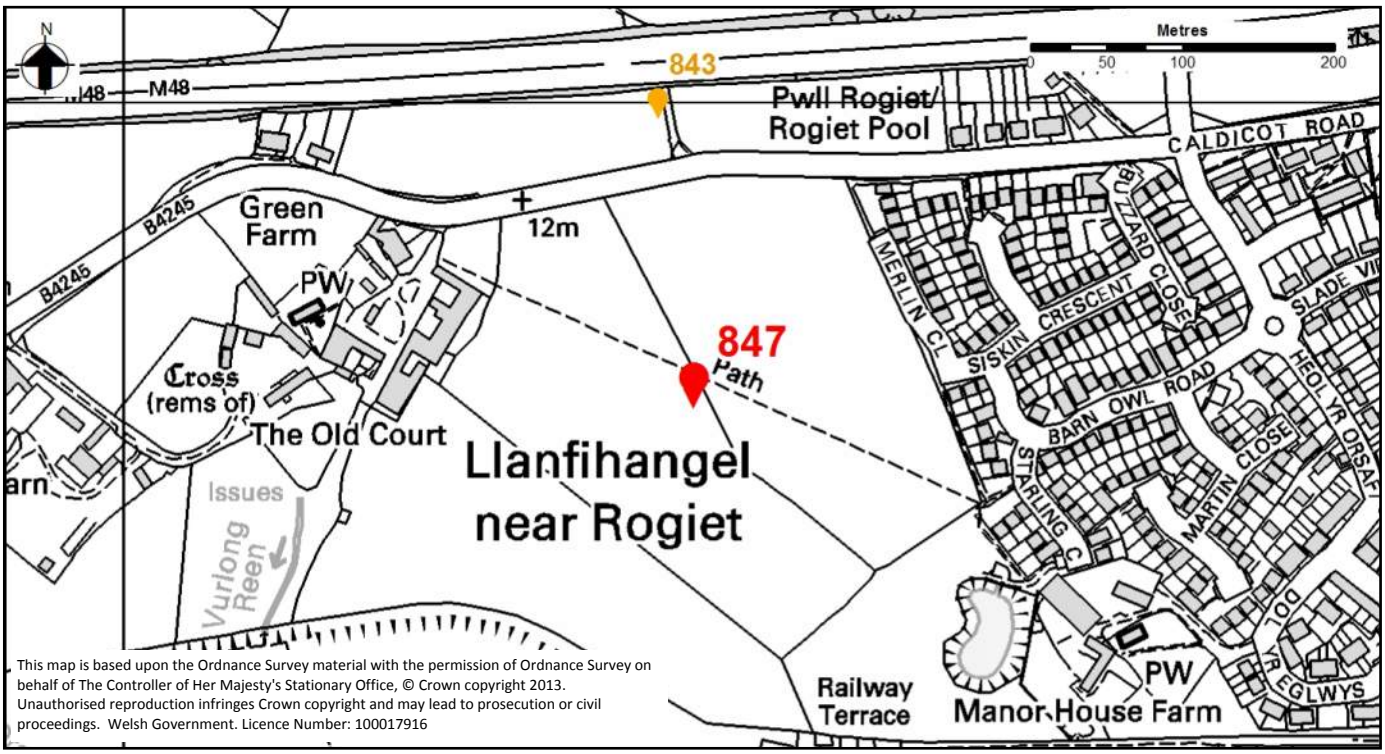

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	848	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble, buddleia

Potential for Protected Species:

Target Note Location Map:

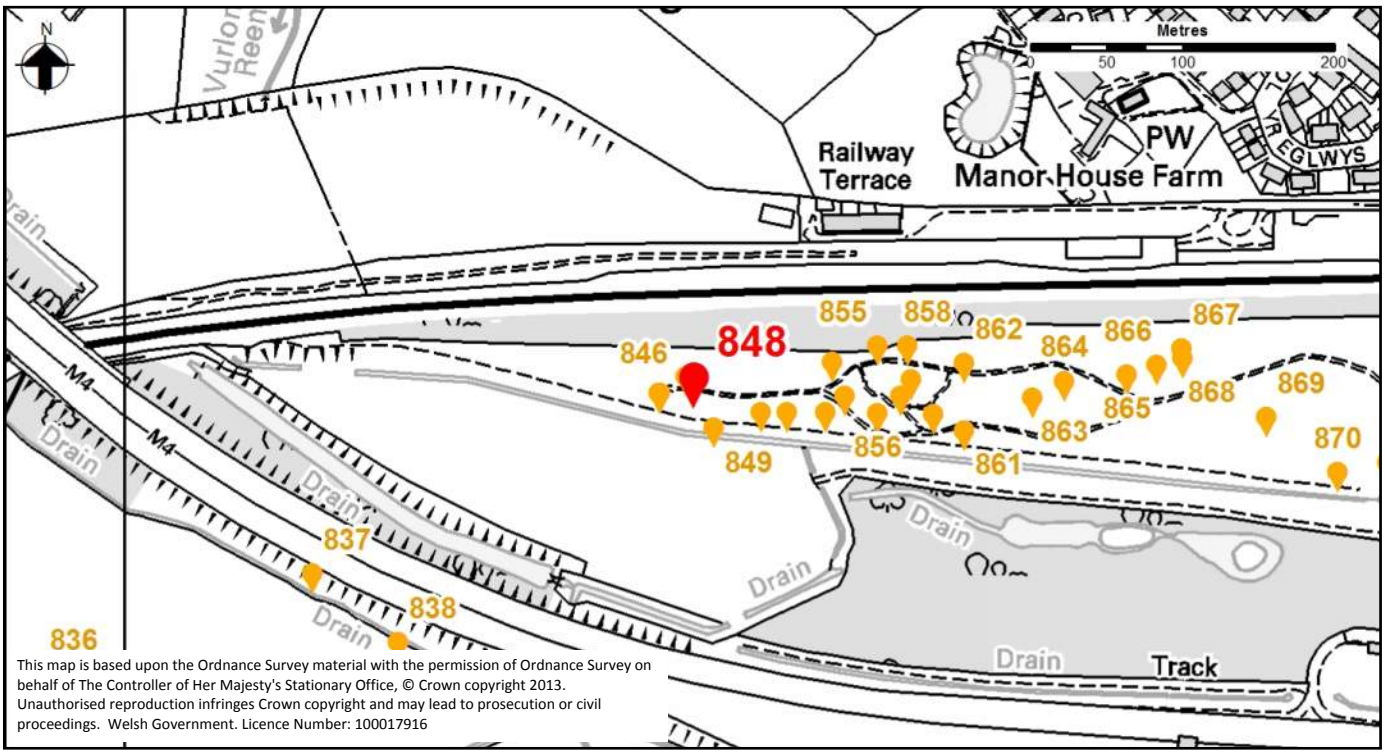

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	849	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Buddleia, bramble

Potential for Protected Species:

Target Note Location Map:

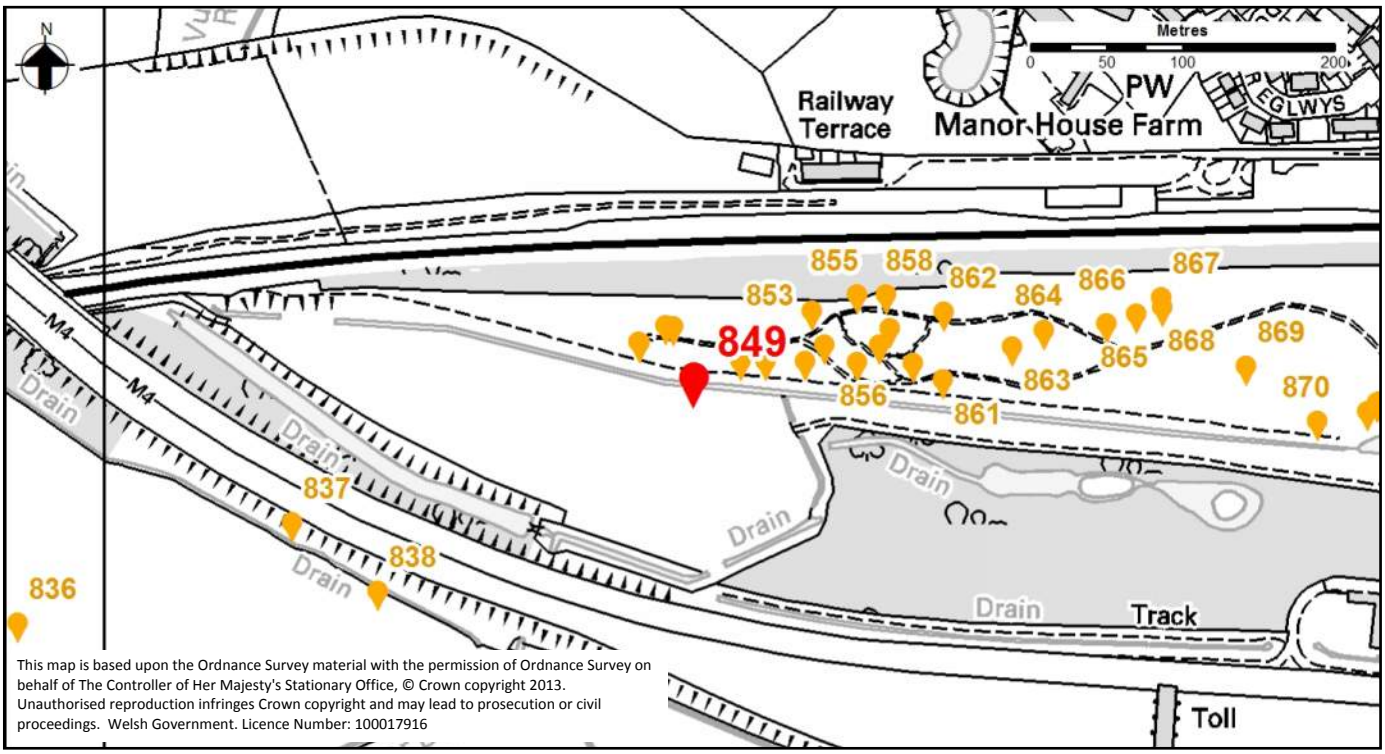

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	850	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble dominant, with willowherb sp., common nettle on edges

Potential for Protected Species:

Target Note Location Map:

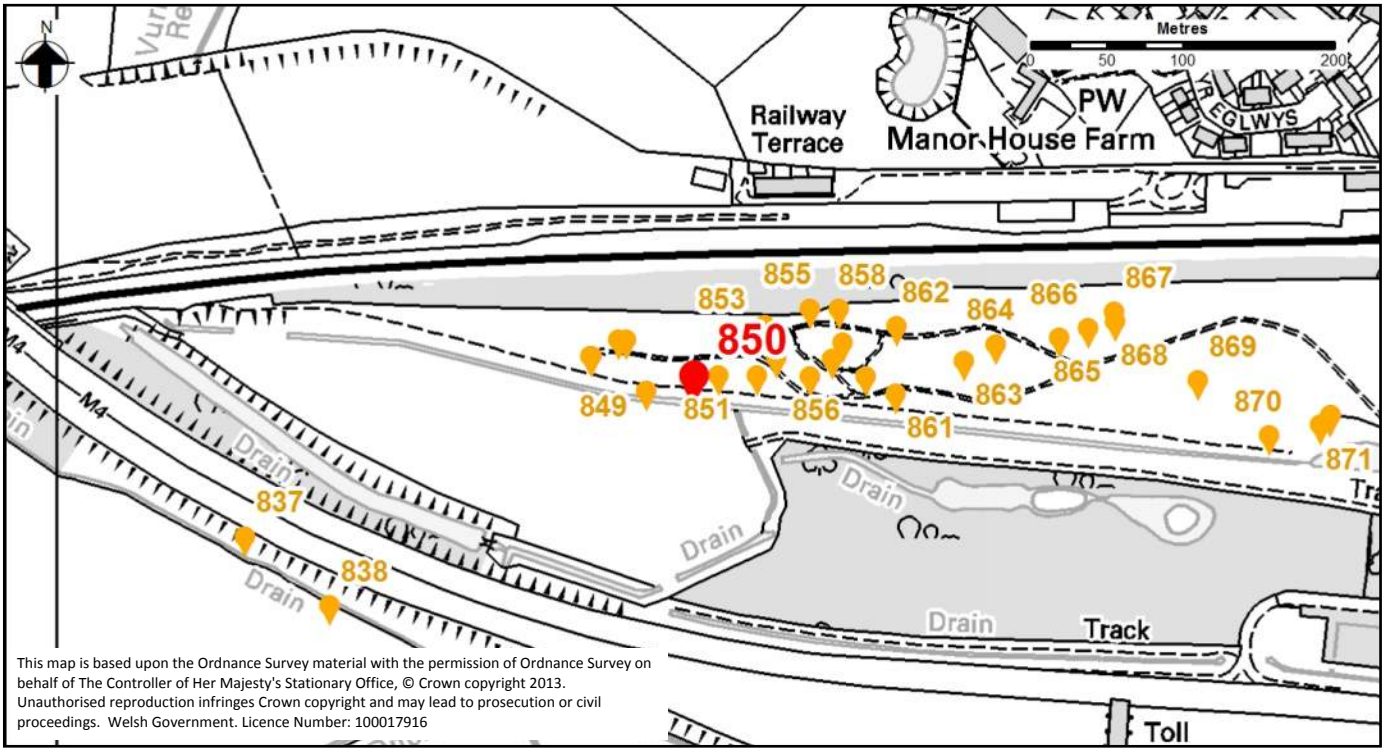

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	851	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

False oat grass, Yorkshire fog, bent grass sp., white clover, cranesbill, teasel, black medick

Potential for Protected Species:

Target Note Location Map:

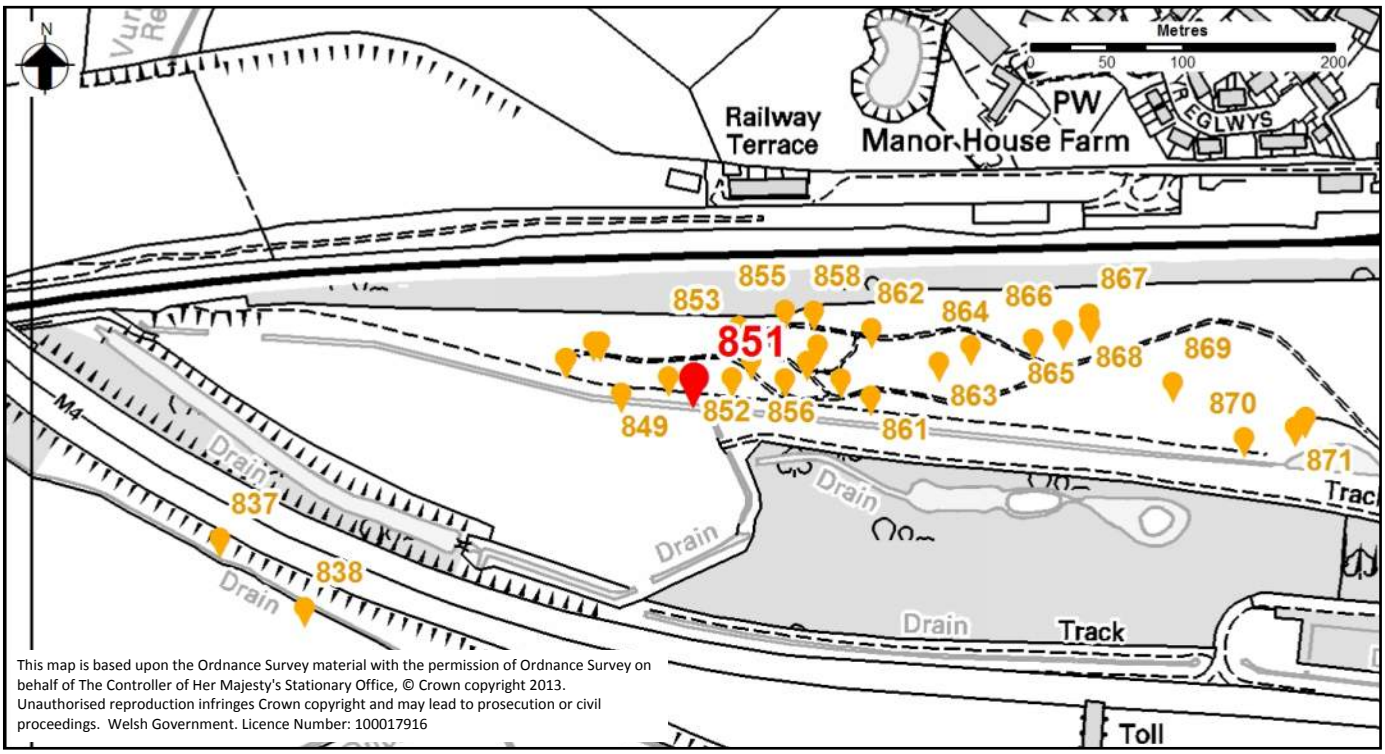

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	852	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Field maple, ash

Potential for Protected Species:

Target Note Location Map:

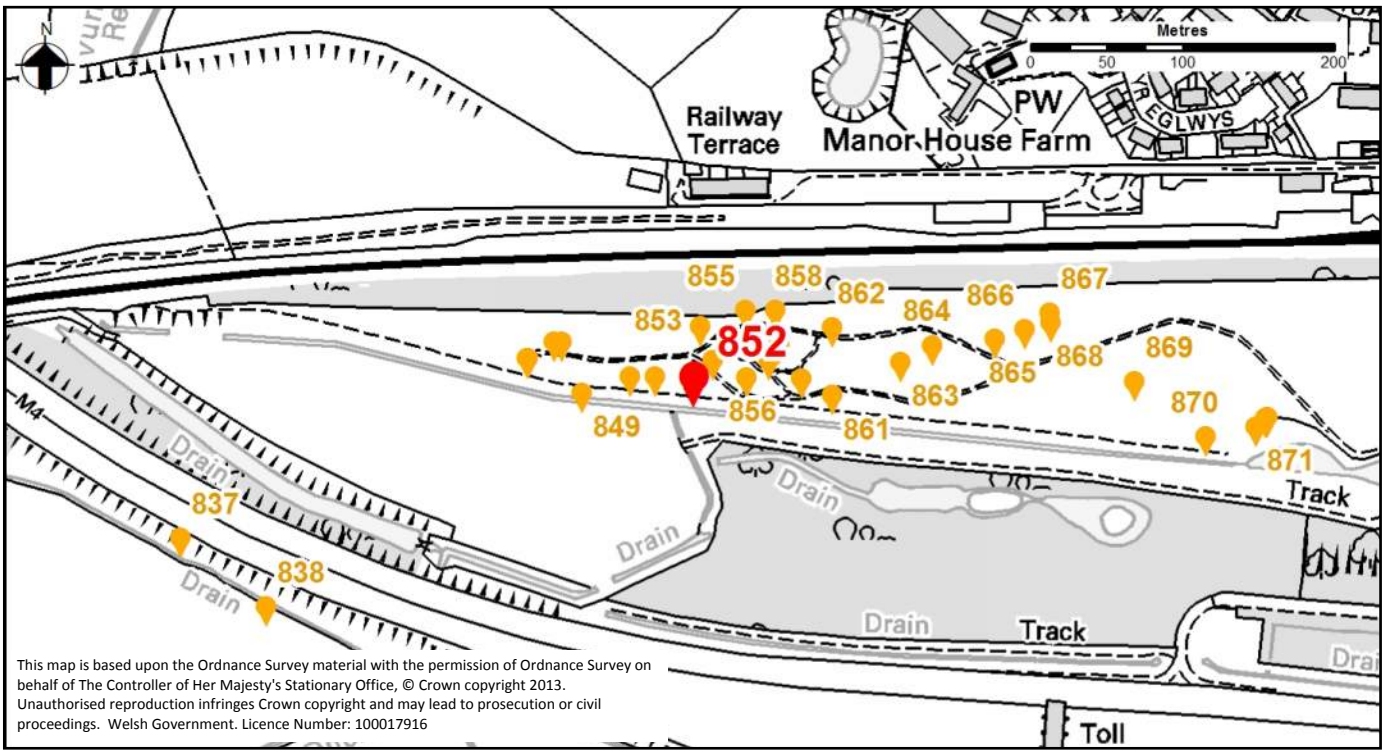

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	853	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

False oat grass, Yorkshire fog, bent grass sp., white clover, cranesbill, teasel, black medick

Potential for Protected Species:

Target Note Location Map:

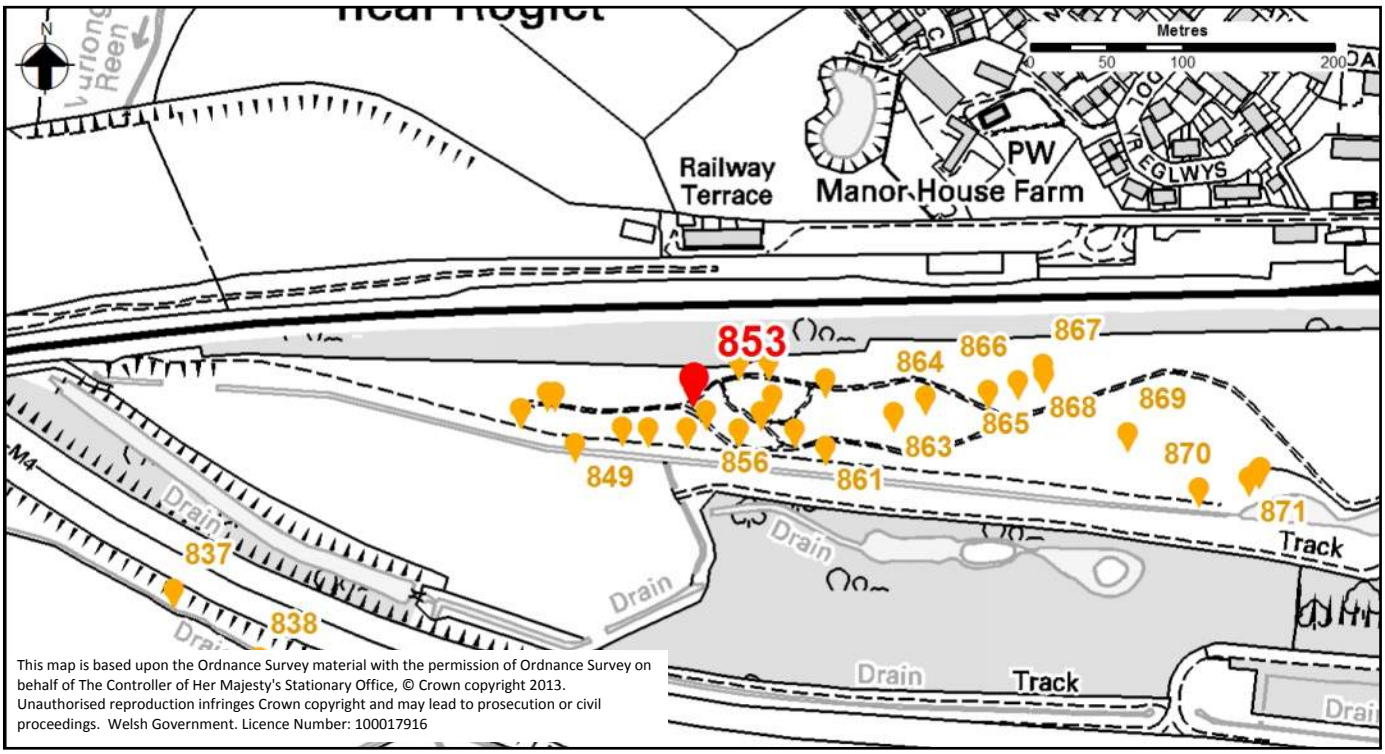

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	854	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

False oat grass, Yorkshire fog, bent grass sp., white clover, cranesbill, teasel, black medick

Potential for Protected Species:

Target Note Location Map:

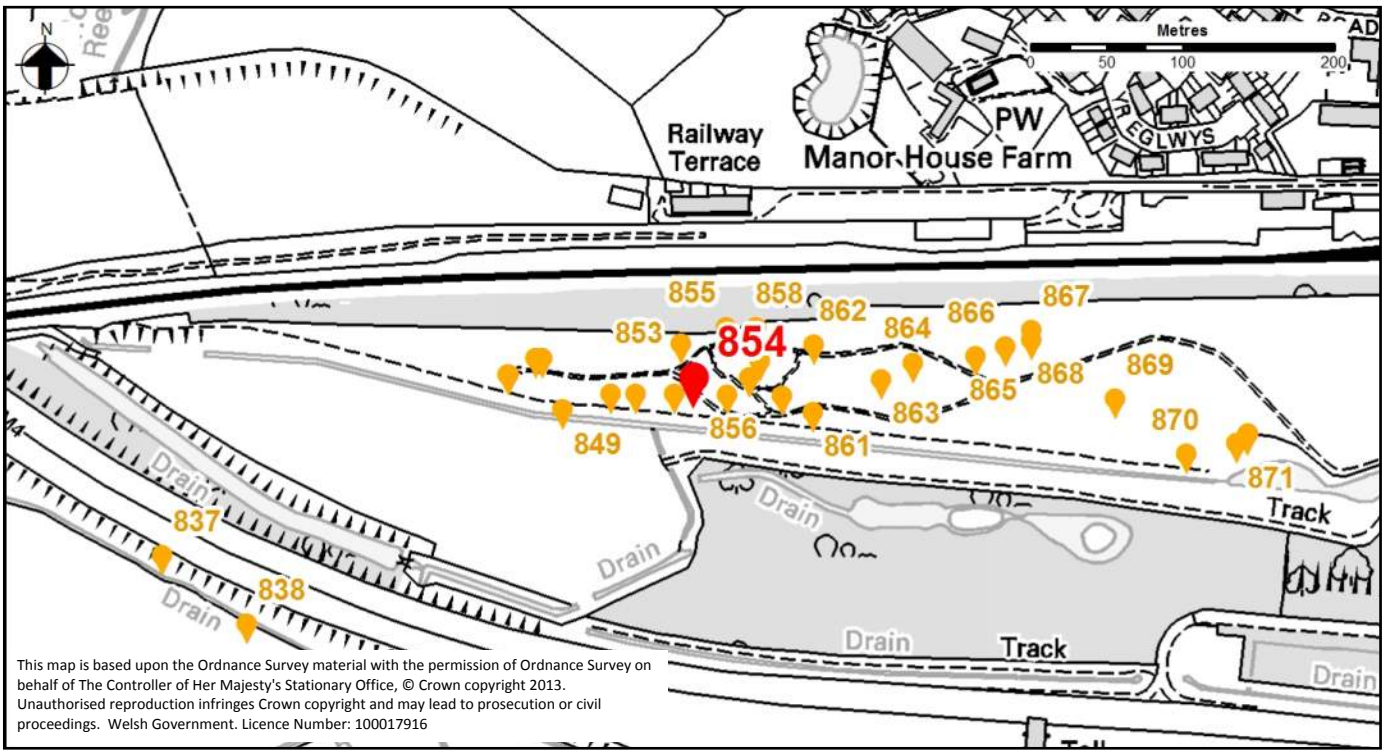

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	855	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Buddleia, bramble, hazel, field maple, oak

Potential for Protected Species:

Target Note Location Map:

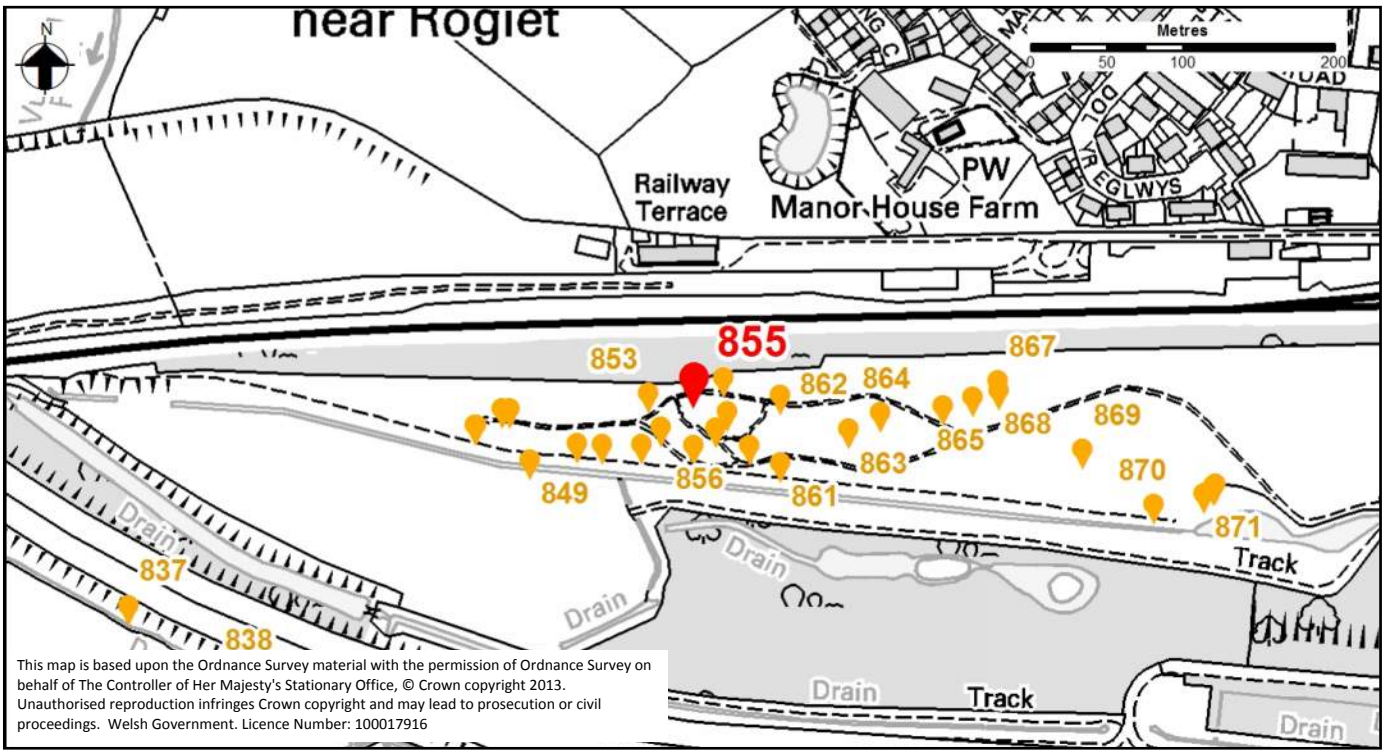

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	856	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble dominant, with willowherb sp., common nettle on edges

Potential for Protected Species:

Target Note Location Map:

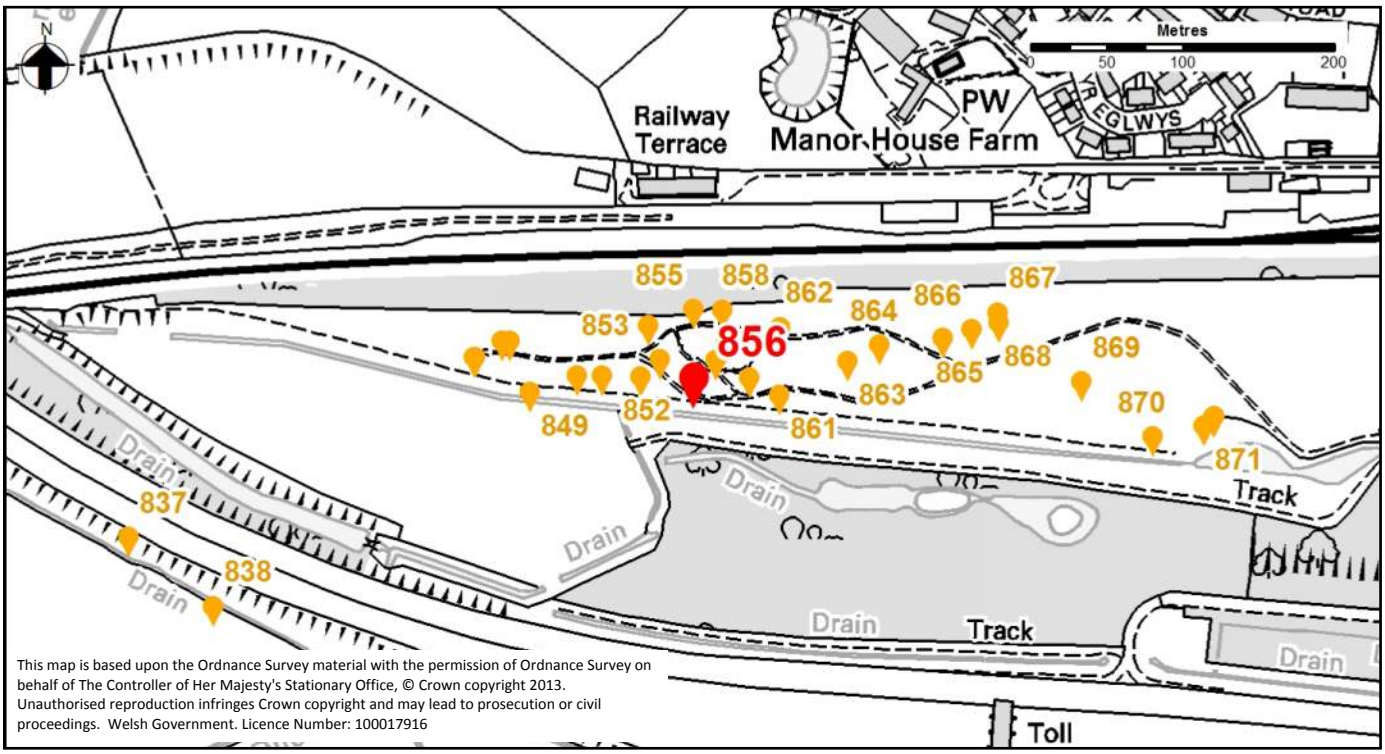

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	857	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble dominant, with willowherb sp., common nettle on edges

Potential for Protected Species:

Target Note Location Map:

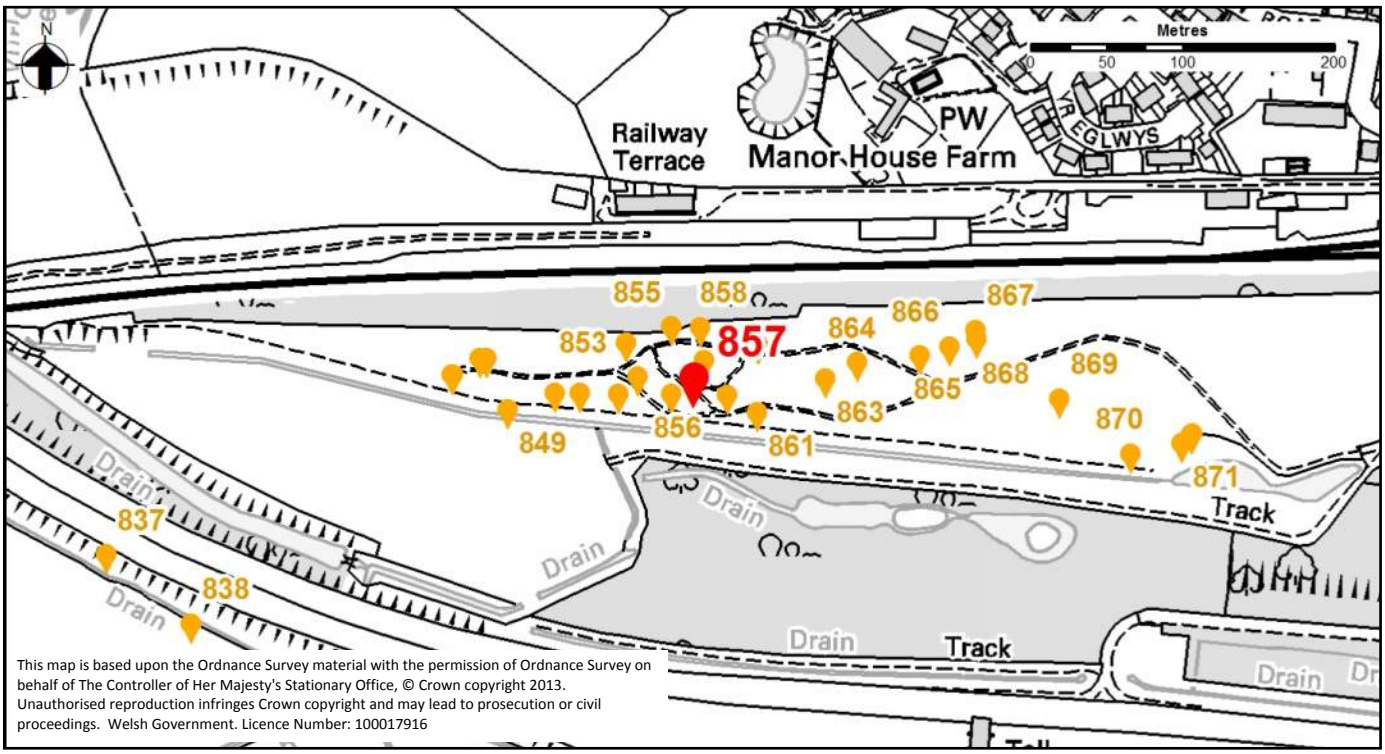

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	858	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Buddleia, bramble, hazel, field maple, oak

Potential for Protected Species:

Target Note Location Map:

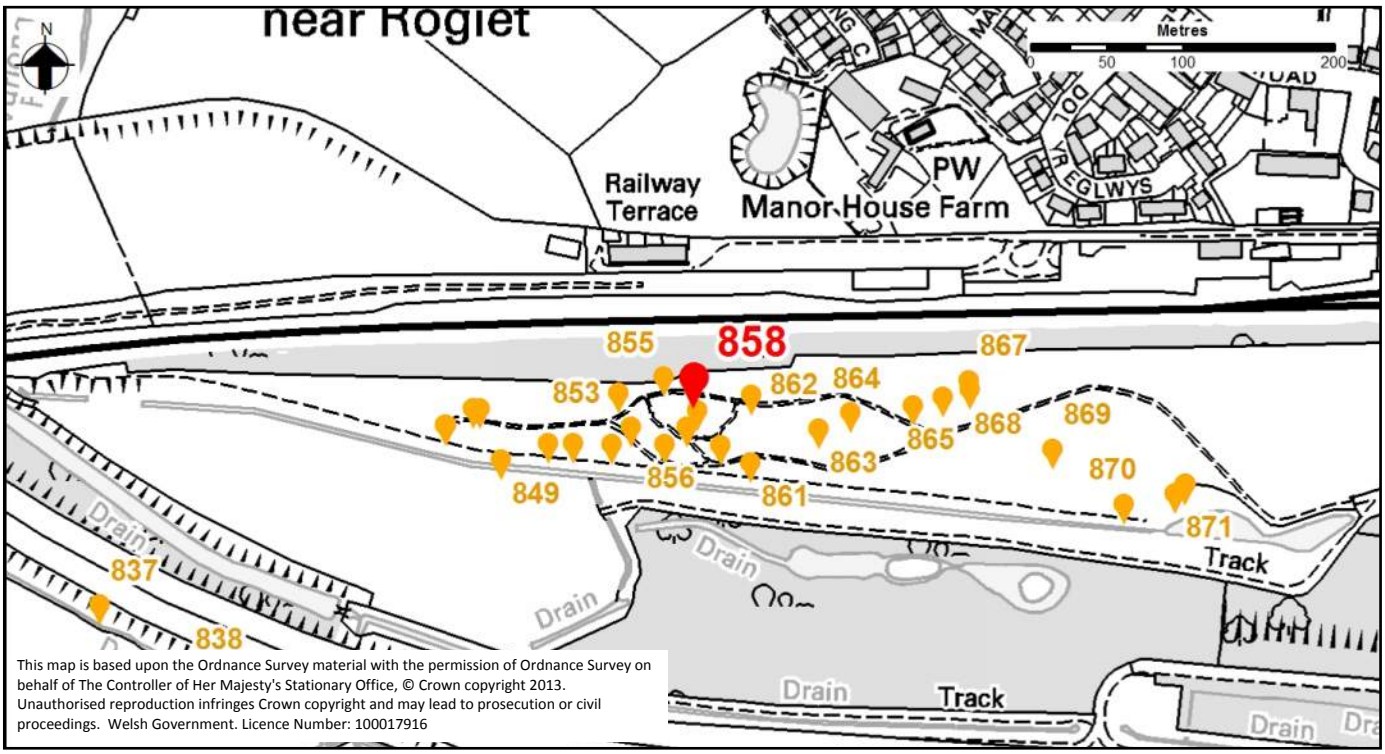

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	859	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

False oat grass, Yorkshire fog, bent grass sp., white clover, cranesbill, teasel, black medick

Potential for Protected Species:

Target Note Location Map:

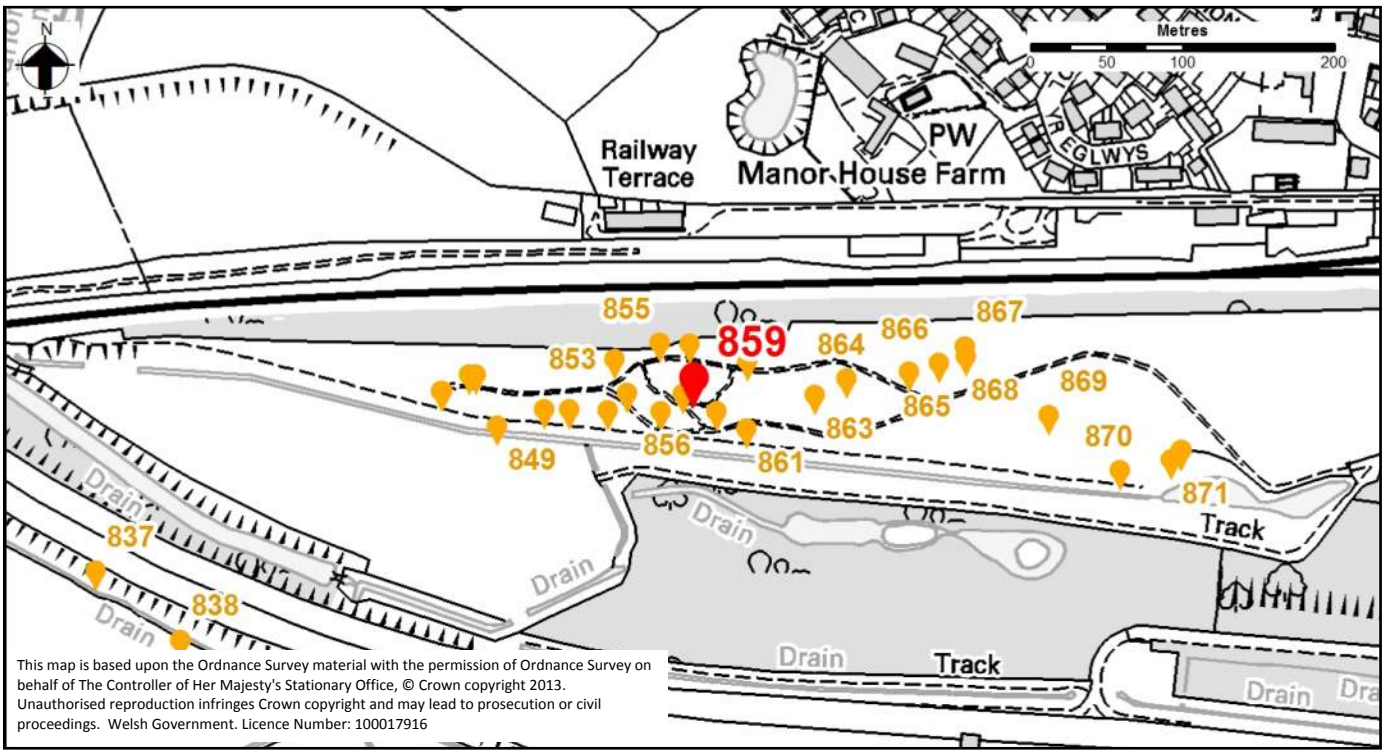

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	860	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble dominant, with willowherb sp., common nettle on edges

Potential for Protected Species:

Target Note Location Map:

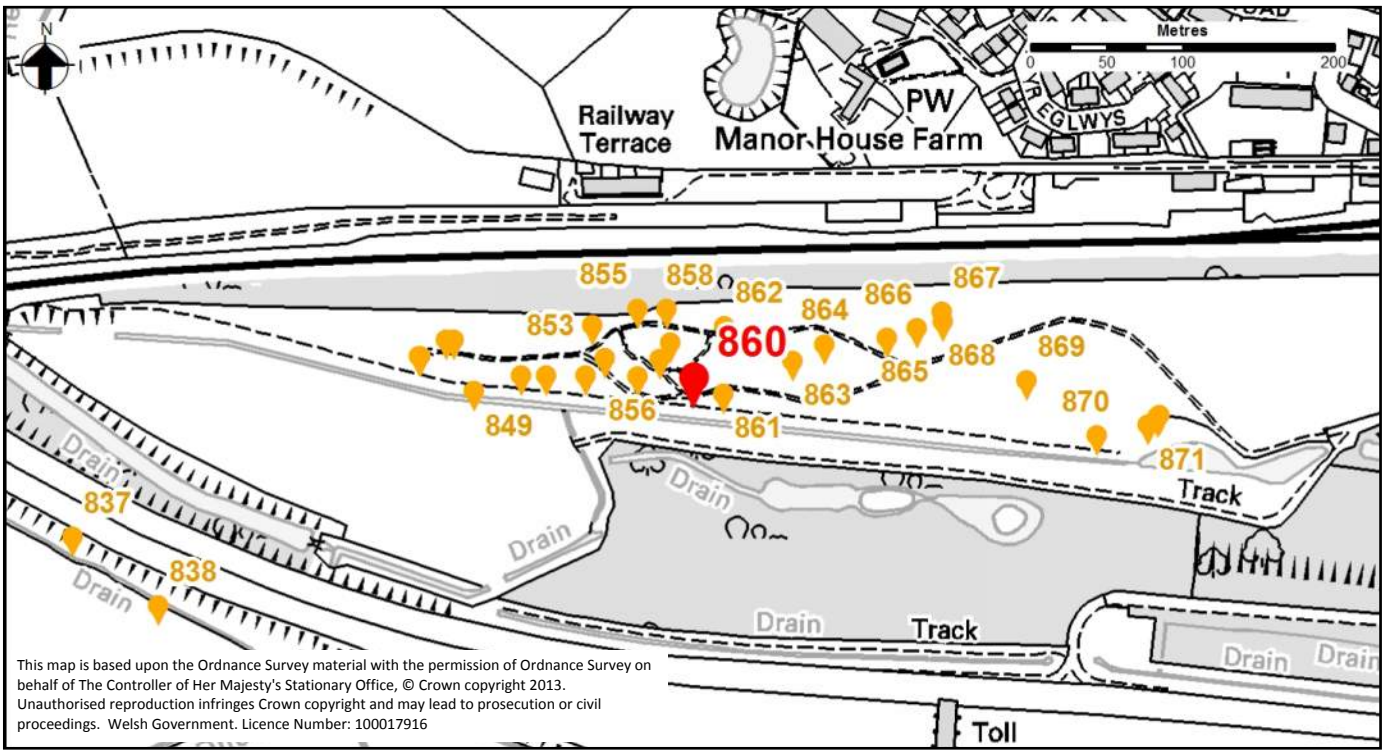

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	861	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Young silver birch, alder, Scots pine, ash, sweet chestnut, cherry

Potential for Protected Species:

Target Note Location Map:

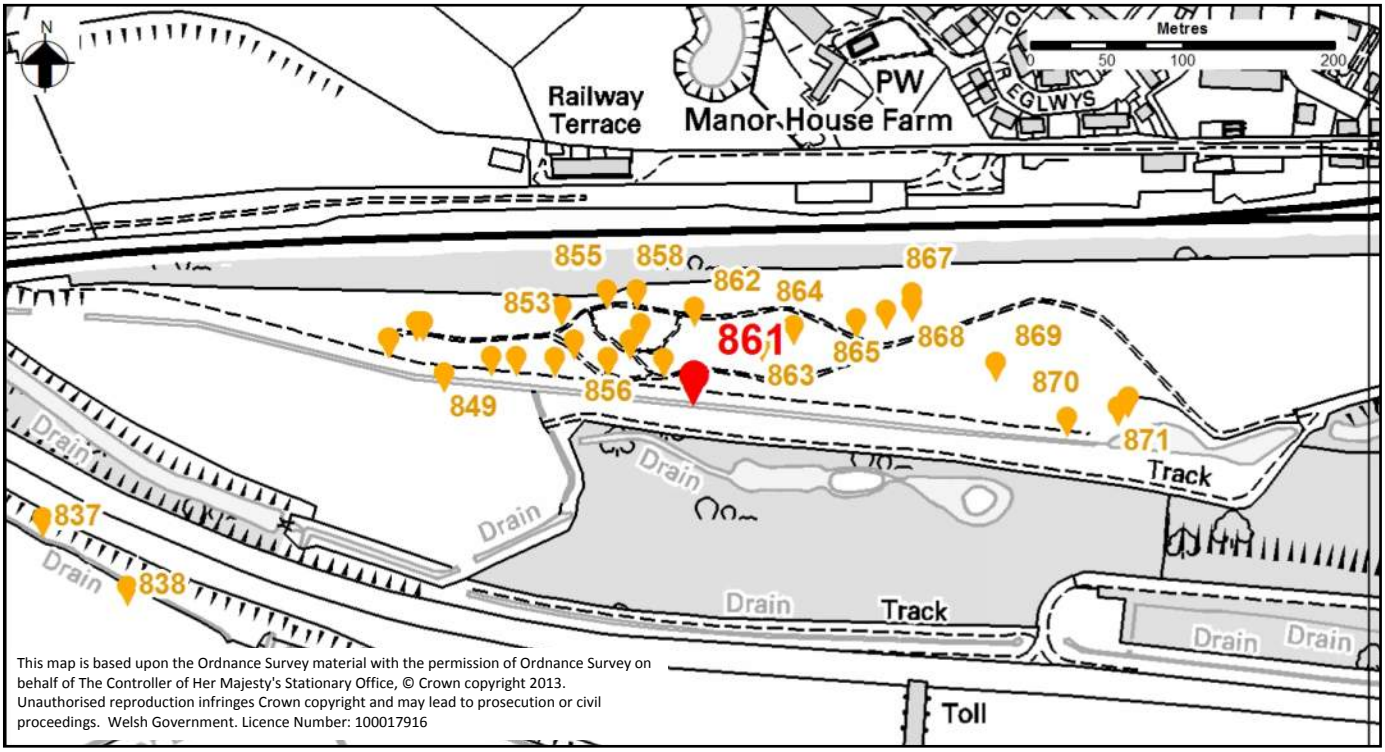

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	862	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Ash, silver birch, field maple, cherry, wild strawberry and bramble understorey , Scots pine

Potential for Protected Species:

Target Note Location Map:

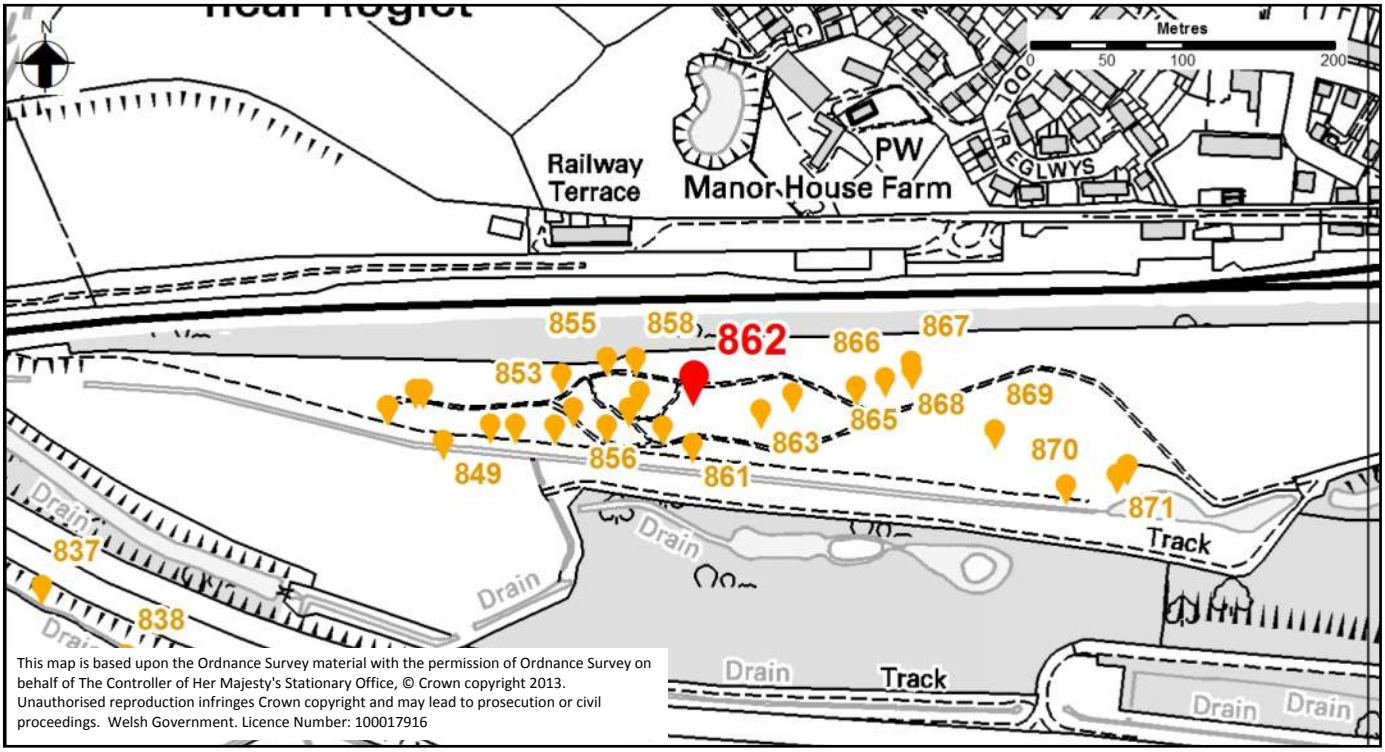

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	863	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

False oat grass, Yorkshire fog, bent grass sp., white clover, cranesbill, teasel, black medick

Potential for Protected Species:

Target Note Location Map:

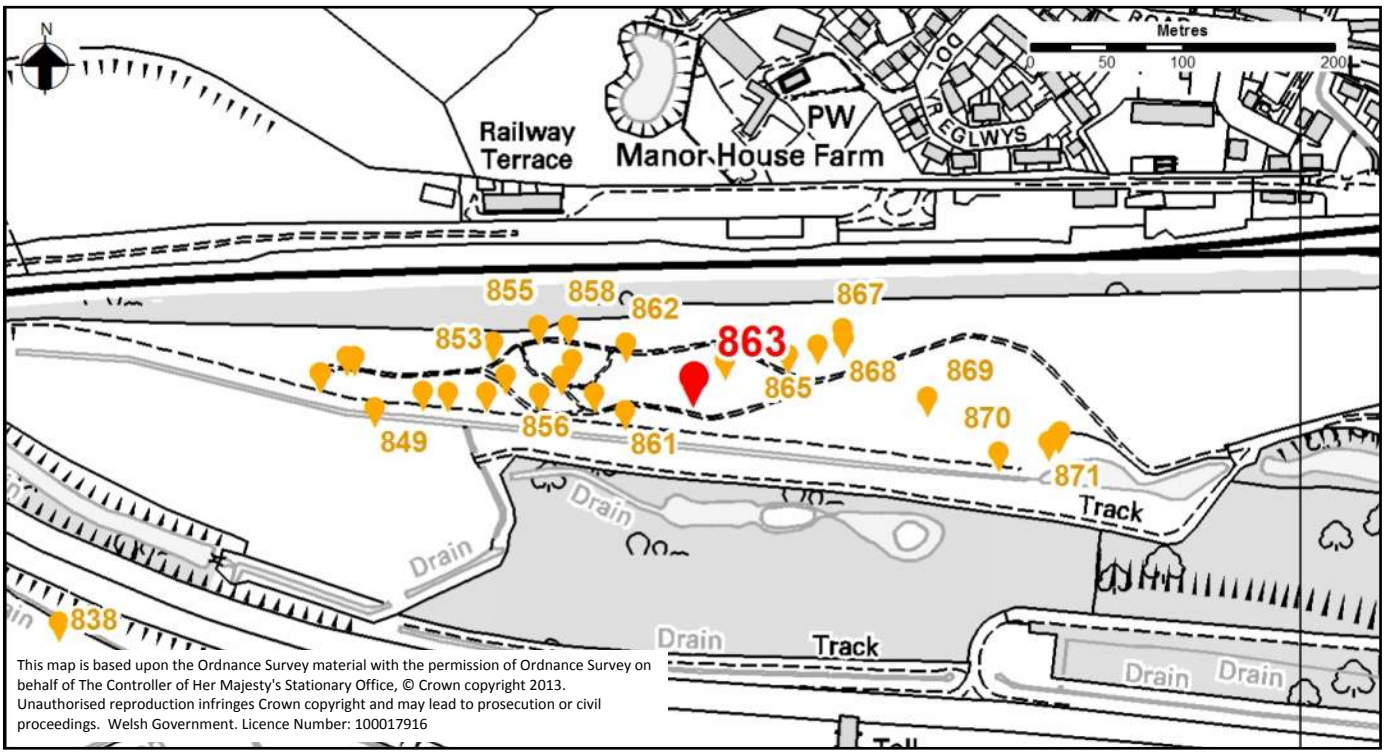

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	864	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Silver birch, Scots pine, buddleia, oak, bramble, alder

Potential for Protected Species:

Target Note Location Map:

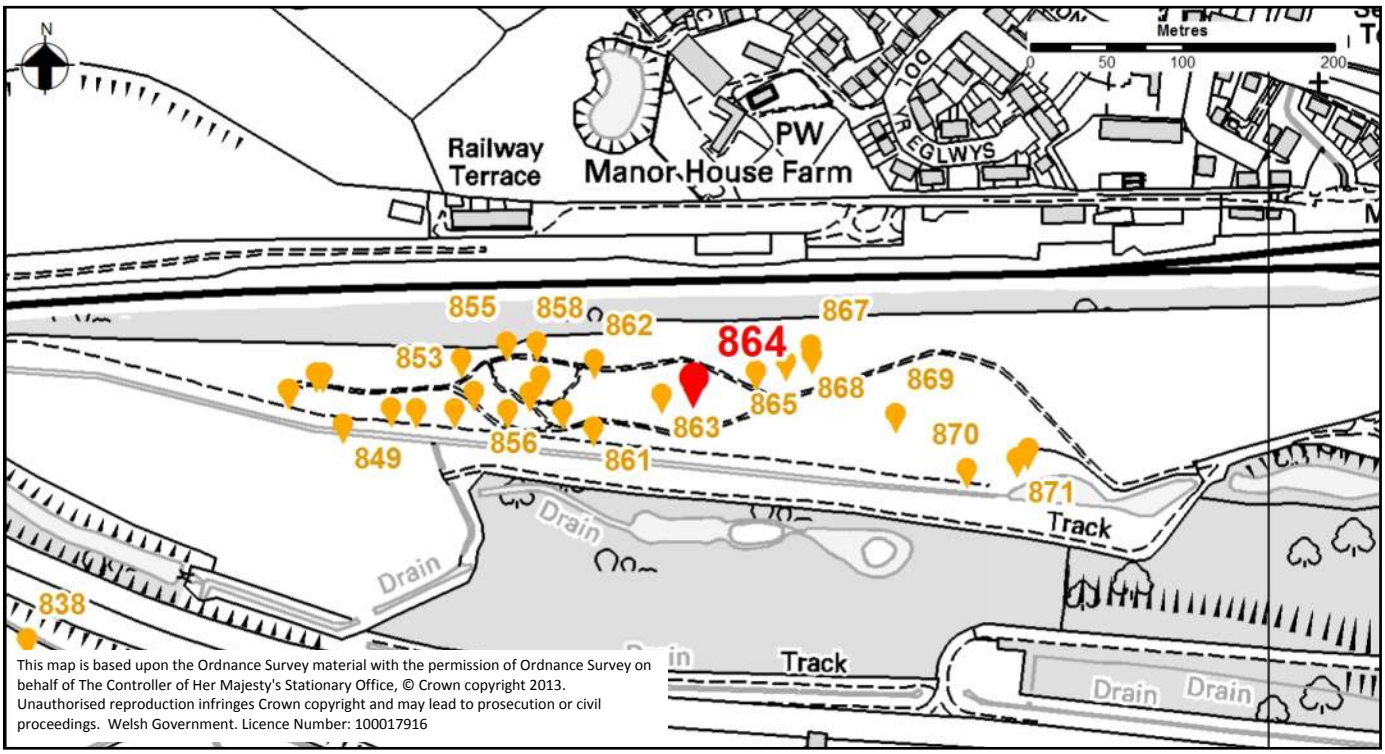

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	865	Date:	28-10-2014	GPS:	51.58, -2.79

Dominant Habitats:

Broadleaved woodland

Target Note:

Japanese knotweed, four stands Two stands together, each about 2m square. A third larger stand 3m square, the fourth just 1 small stand likely treated.

Potential for Protected Species:

WCA 1981 Schedule 9 Invasive

Target Note Location Map:

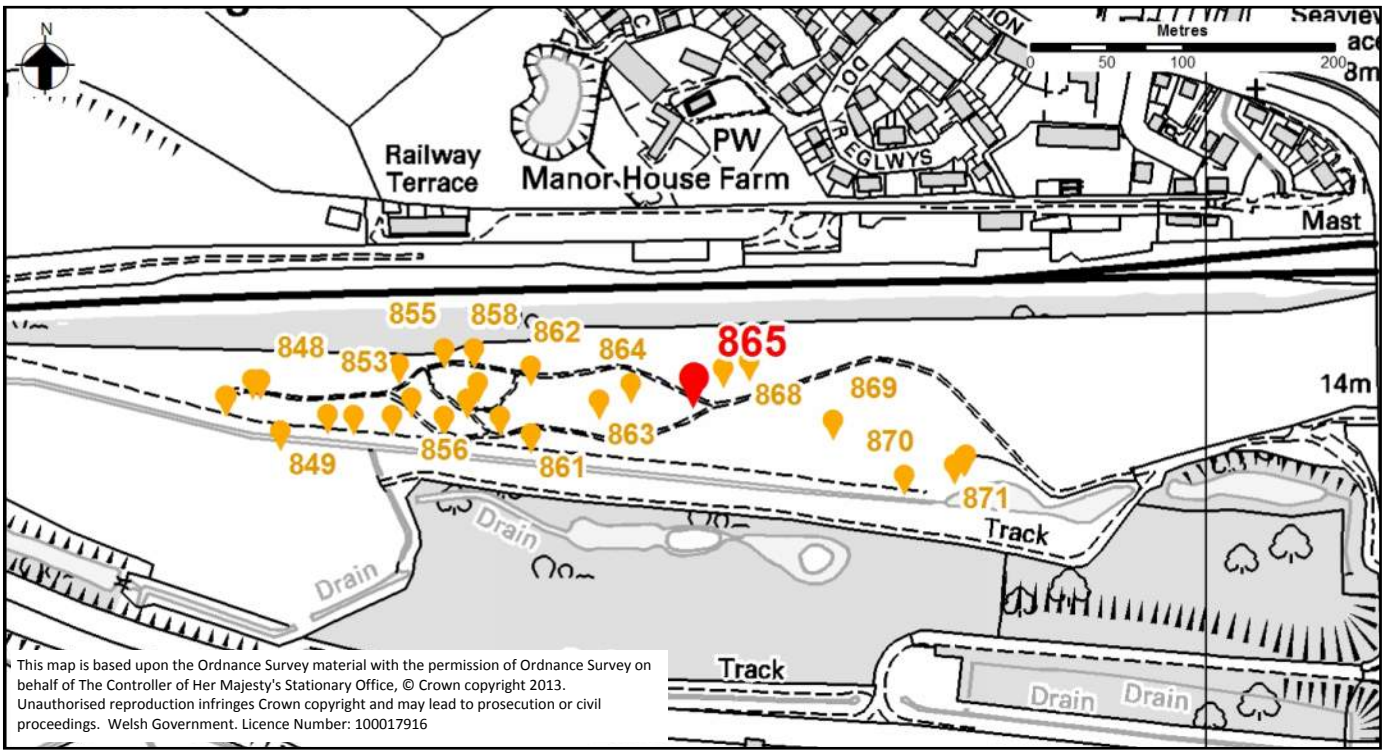

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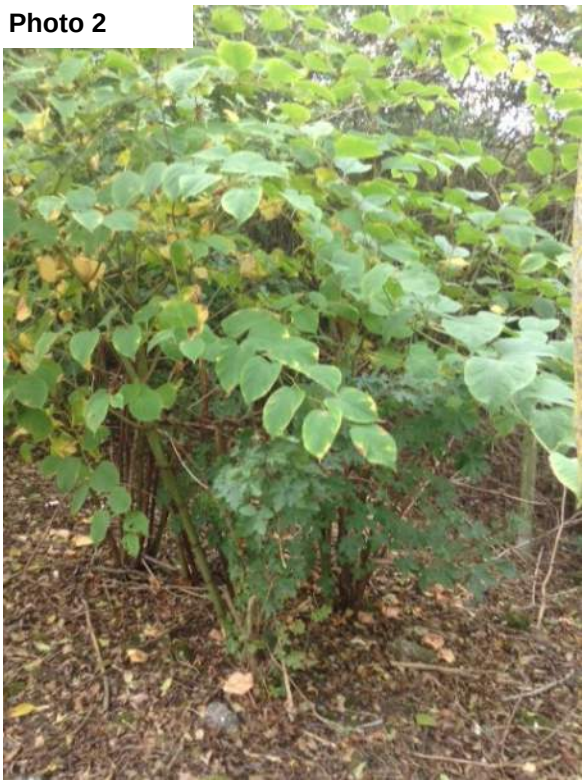
Photo 1

Photo 2



Extended Phase 1 Target Notes

Target Note Number:	866	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Bramble scrub encroaching into grassland

Potential for Protected Species:

Target Note Location Map:

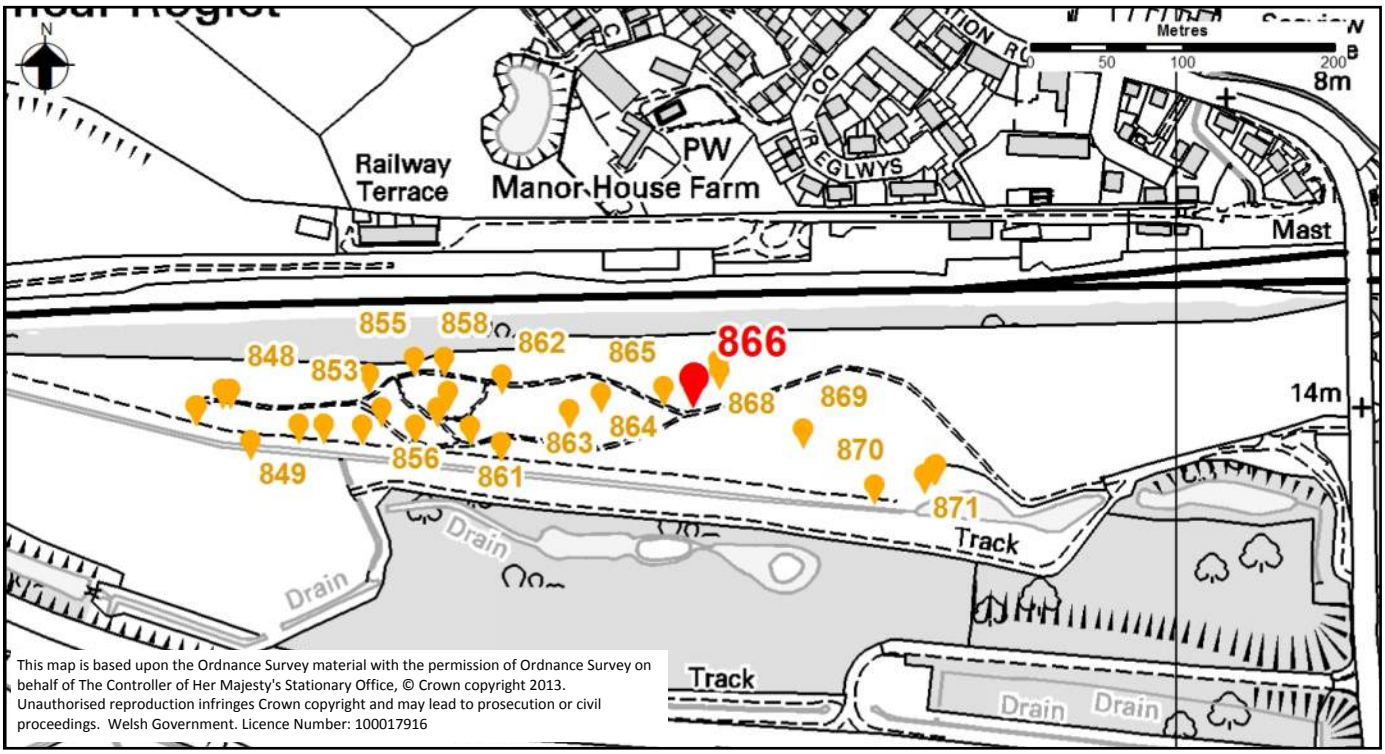


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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	867	Date:		GPS:	51.58, -2.79

Dominant Habitats:

Target Note:

Silver birch, buddleia, alder, cherry, ash, oak, field maple, dog rose, Scots pine (rare)

Potential for Protected Species:

Target Note Location Map:

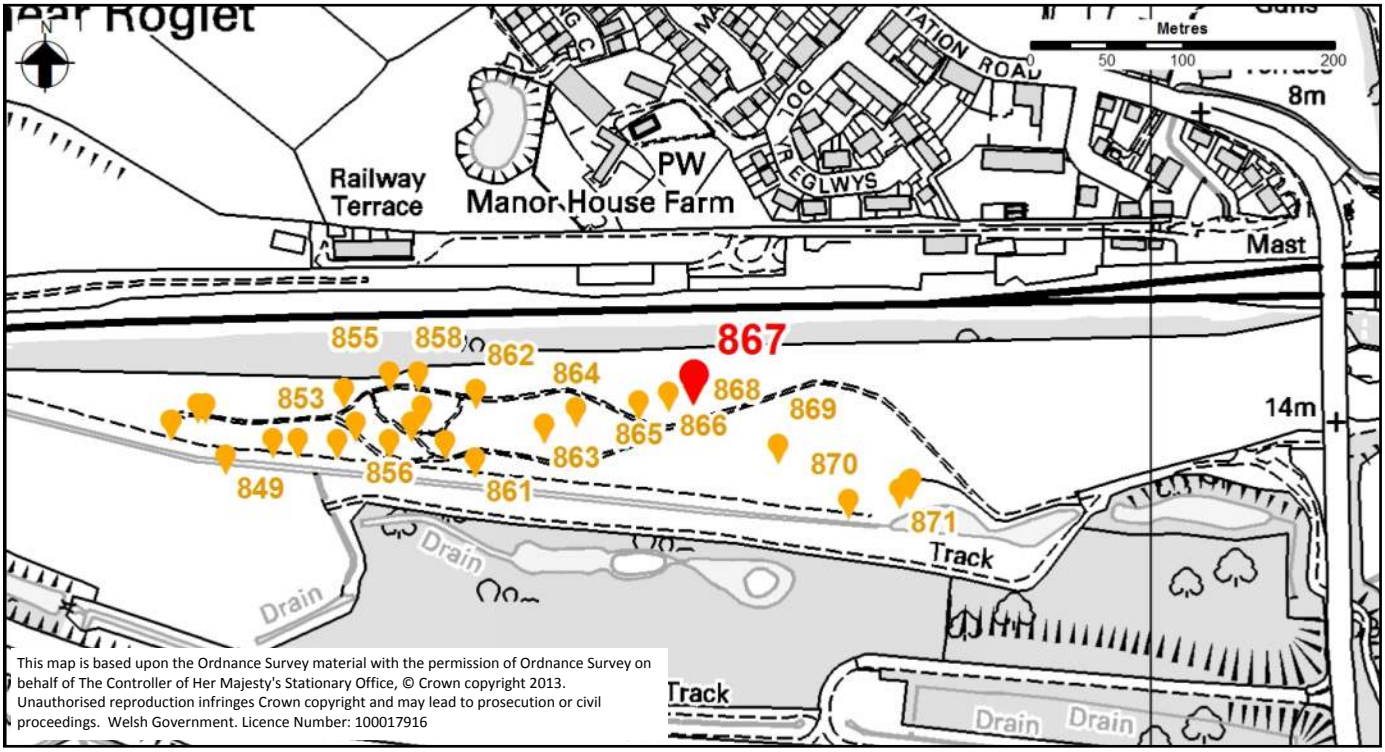

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	868	Date:	28-10-2014	GPS:	51.58, -2.79

Dominant Habitats:

Broadleaved woodland

Potential for Protected Species:

Nesting birds, bats

Target Note:

Bird box

Target Note Location Map:

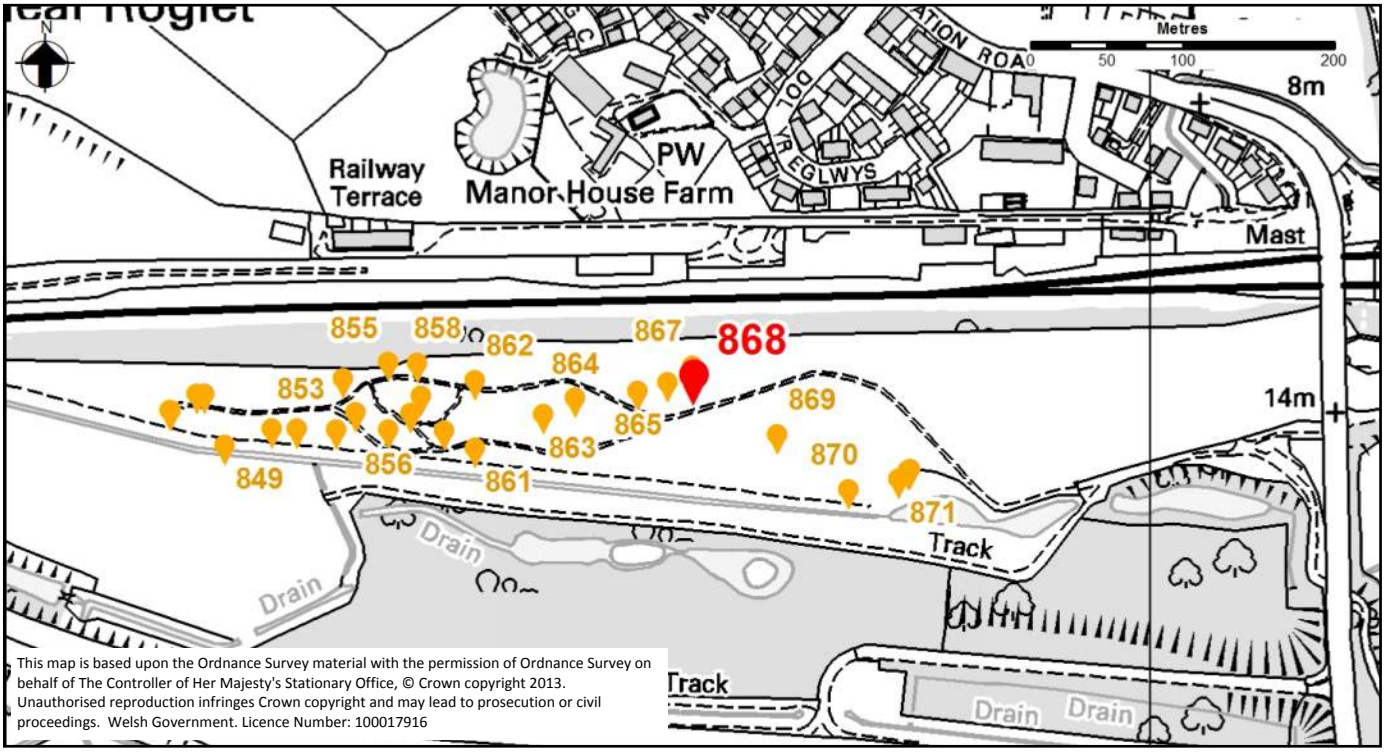

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	869	Date:		GPS:	51.58, -2.78

Dominant Habitats:

Target Note:

False oat grass, Yorkshire fog, bent grass sp., white clover, cranesbill, teasel, black medick

Potential for Protected Species:

Target Note Location Map:

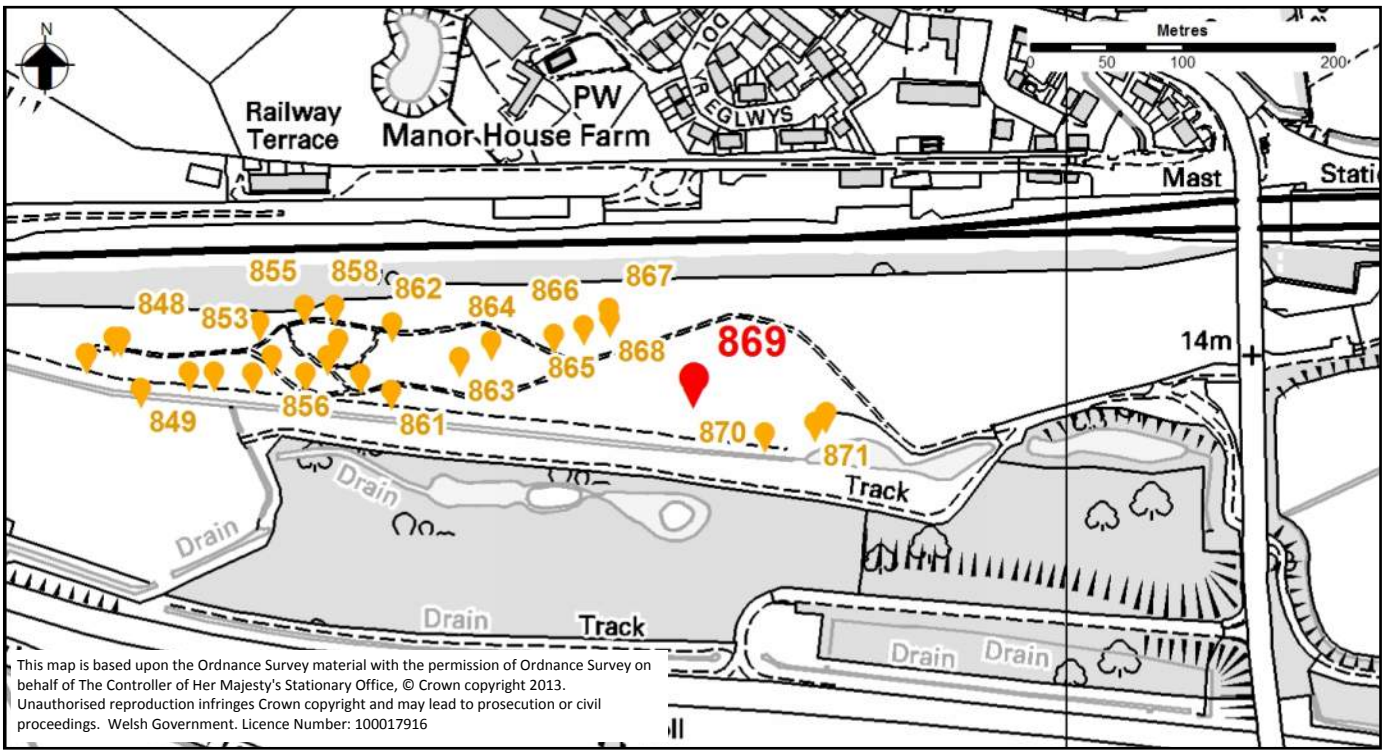

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	870	Date:	28-10-2014	GPS:	51.58, -2.78

Dominant Habitats:

Scrub and grassland edge

Target Note:

Mammal run into and along scrub

Potential for Protected Species:

Rabbit and potential for badger

Target Note Location Map:

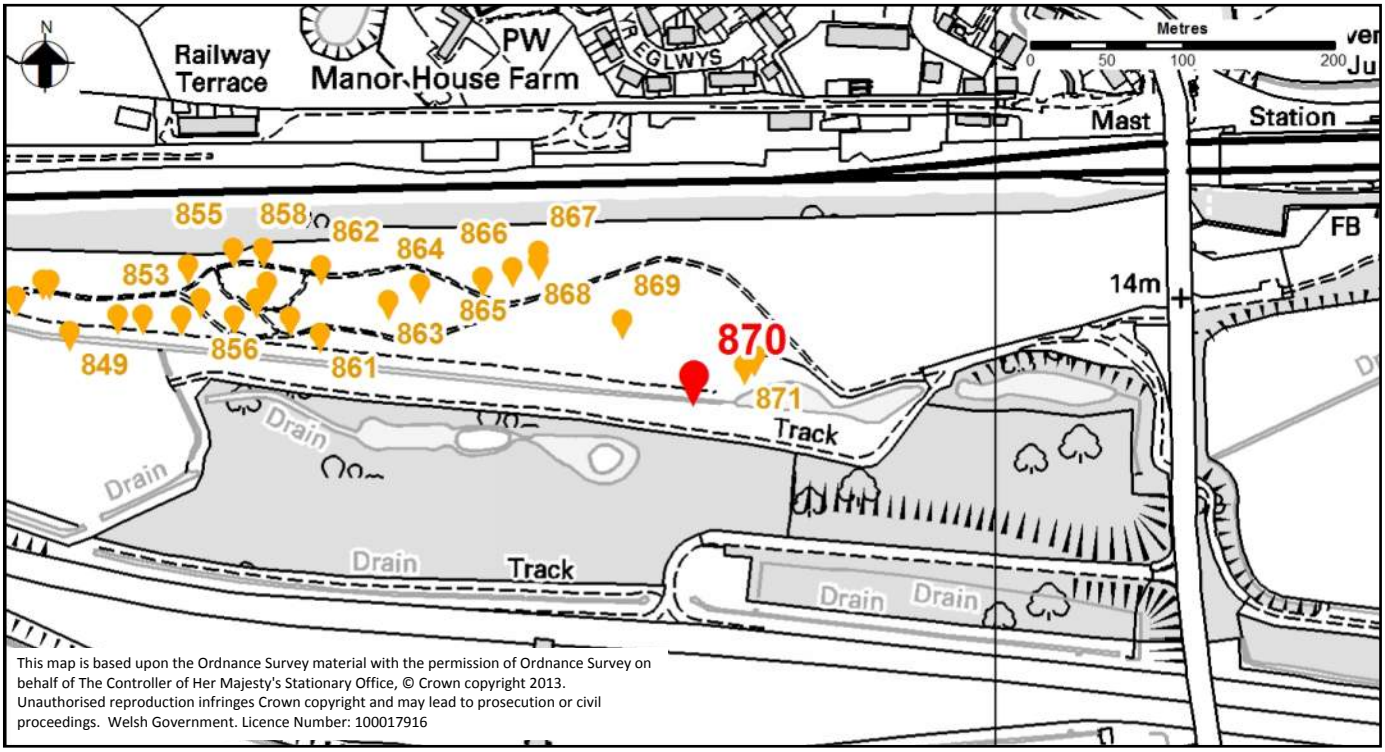

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	871	Date:	28-10-2014	GPS:	51.58, -2.78

Dominant Habitats:

Woodland

Target Note:

Rabbit burrows and droppings

Potential for Protected Species:

Target Note Location Map:

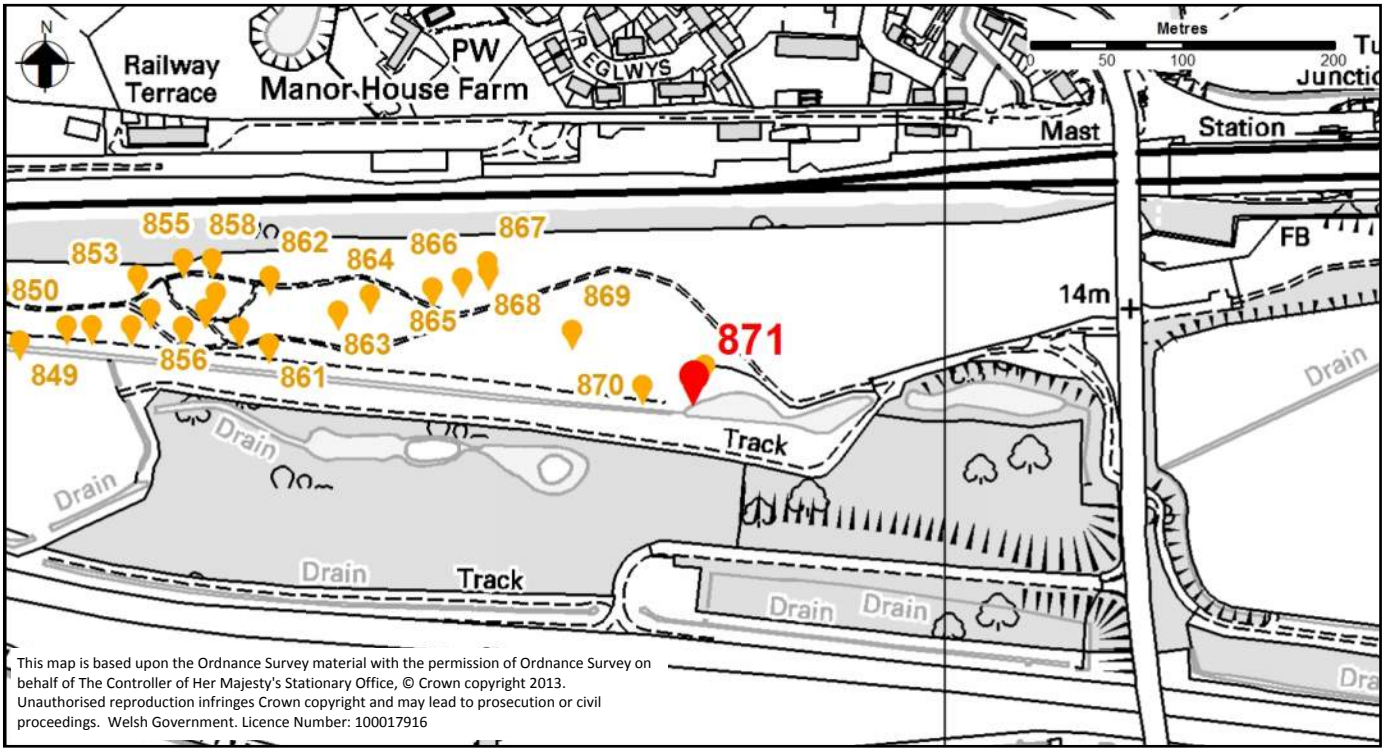

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	872	Date:	28-10-2014	GPS:	51.58, -2.78

Dominant Habitats:

Broadleaved woodland

Potential for Protected Species:

Dormouse

Target Note:

Potential dormouse habitat - hazel plus a variety of other broadleaved species. Dense scrub and tree cover.

Target Note Location Map:

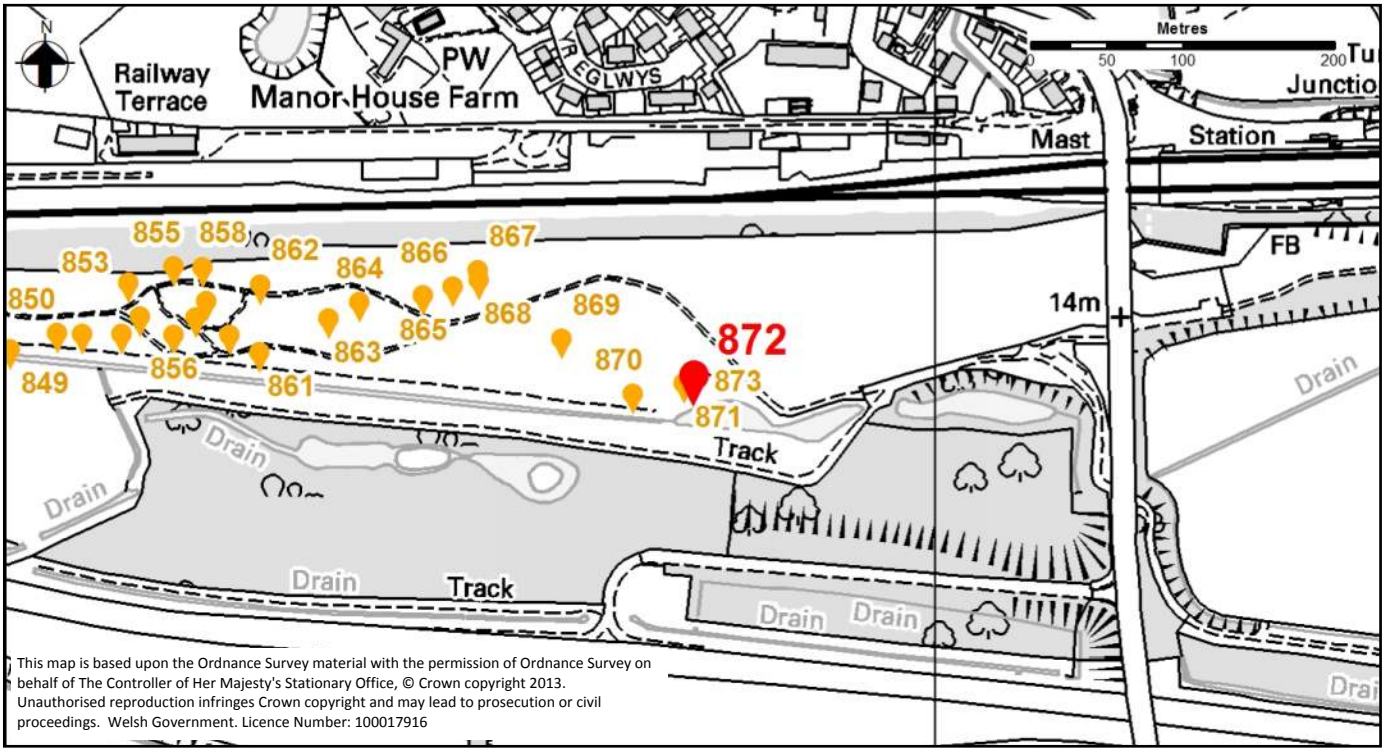

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	873	Date:		GPS:	51.58, -2.78

Dominant Habitats:

Target Note:

Young woodland, partly planted, understorey quite bare, some common nettle, dense tree and scrub

Potential for Protected Species:

Target Note Location Map:

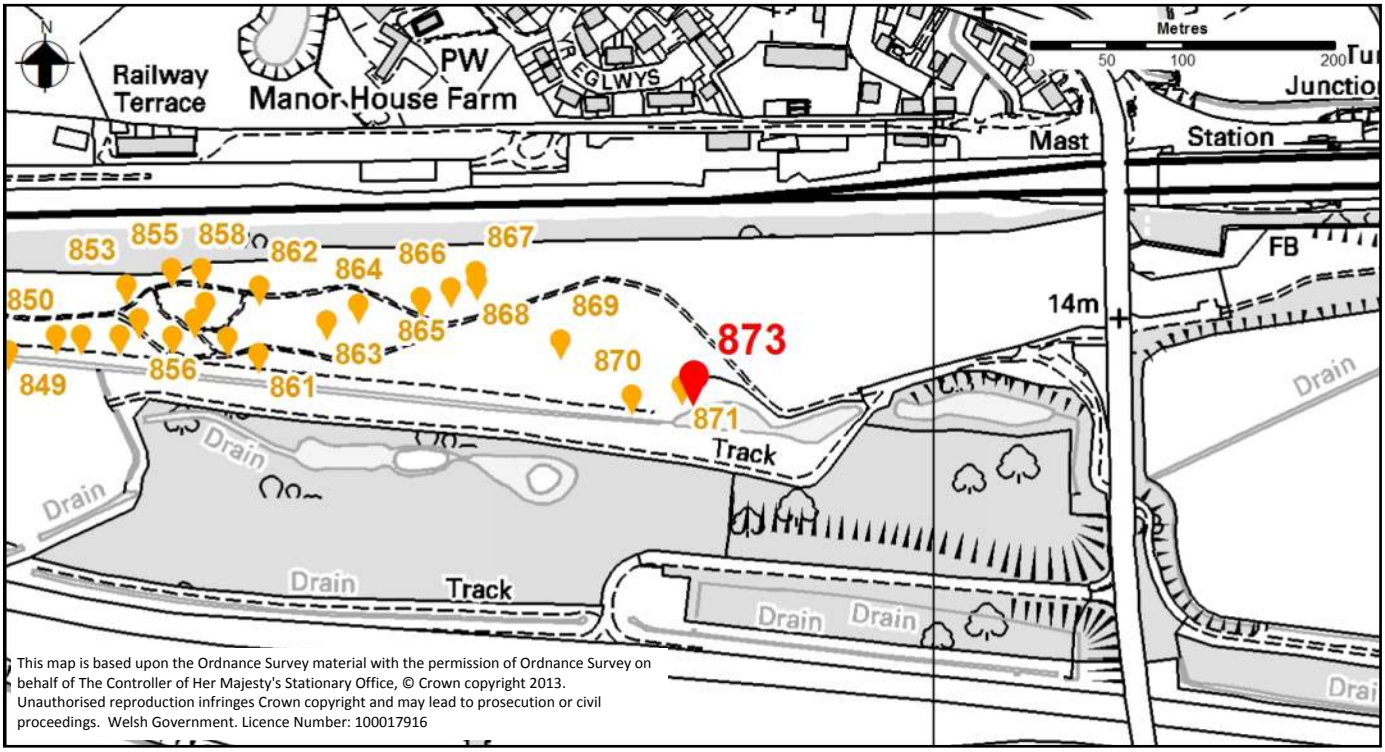

Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	874	Date:	17-07-2014	GPS:	0, 0

Dominant Habitats:

Target Note:

Orchids: more than 60 flowering

Potential for Protected Species:

Orchids

Target Note Location Map:

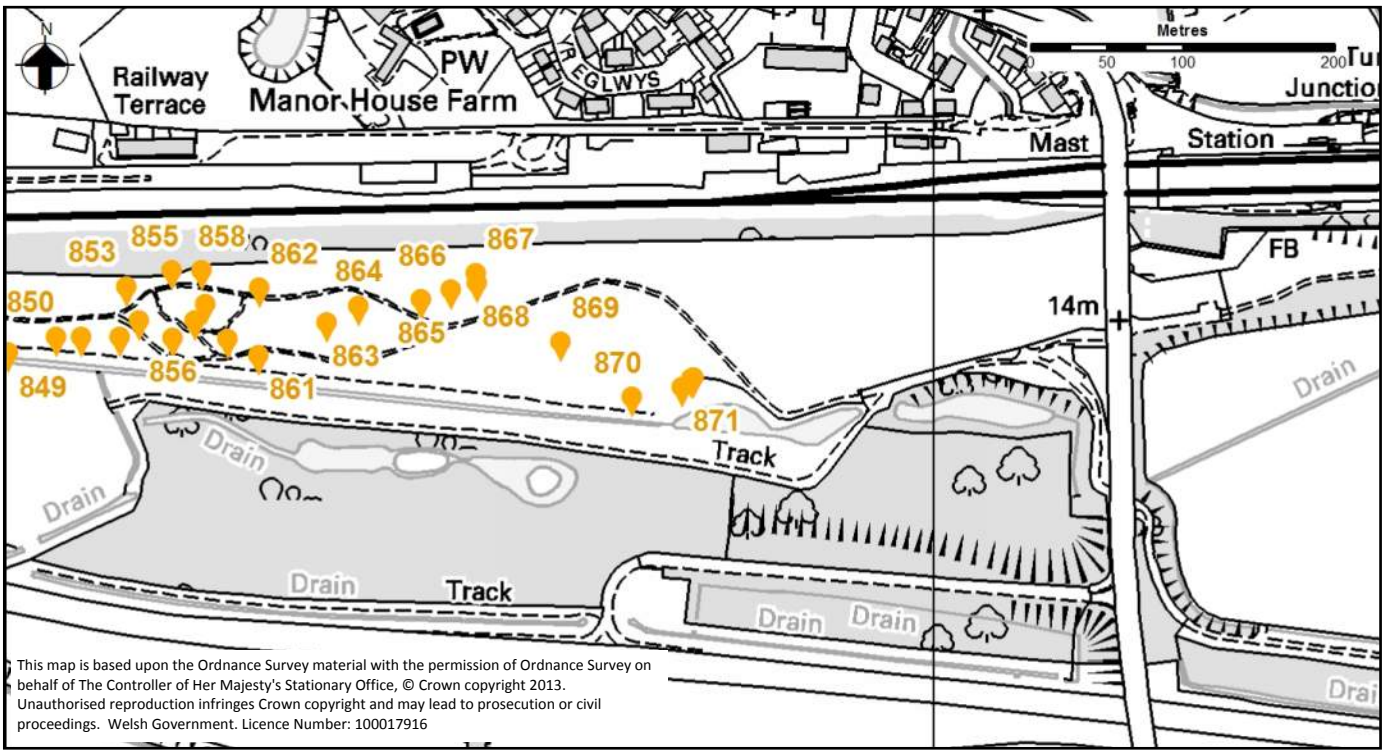

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Photo 1

Photo 2

Extended Phase 1 Target Notes

Target Note Number:	875	Date:	Sep 9 2014 3:54PM	GPS:	0, 0

Dominant Habitats:

Ditch, urban, scrub

Target Note:

Japanese knotweed

Potential for Protected Species:

WCA Schedule 9 invasive

Target Note Location Map:

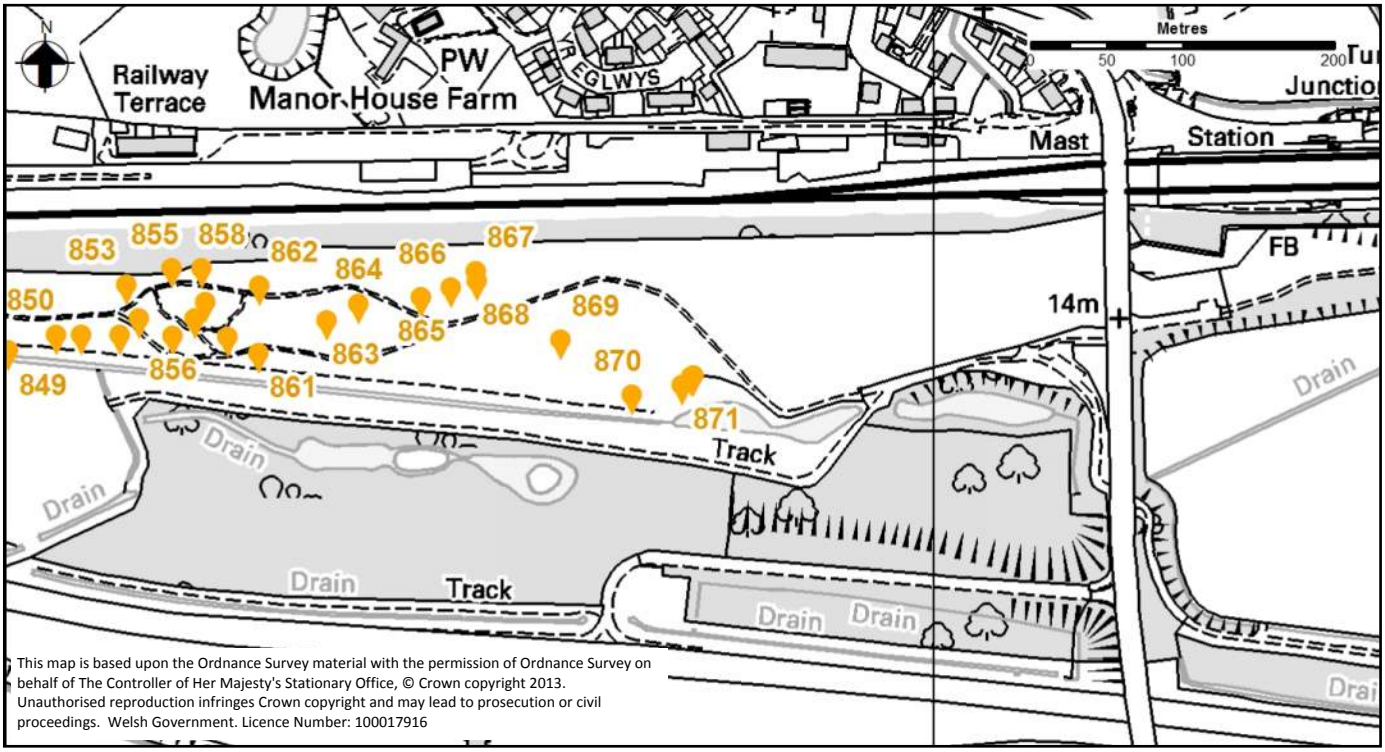

Photo 1

Photo 2

Appendix B

Habitat Suitability Index Forms

B1 Great Crested Newt Habitat Suitability Index Survey Forms

The following forms present the data collected from the field surveys for each waterbody. An HSI score has been calculated for each waterbody using the formulae set out in Section 2.2.2 of this report depending on the type of waterbody. On sheets for ponds, several HSI scores are given but only the score for that type of waterbody (i.e. pond or large pond) should be used.

HSI

Waterbody Number:	378	**Date:**	06-02-2014 13:56	**GPS:**	51.561267,-2.955515

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	524	**Date:**	07-02-2014 14:31	**GPS:**	51.562820,-2.918785

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Wide disturbed dredged ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	434	**Date:**	06-02-2014 10:58	**GPS:**	51.566553,-2.968229

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Duck weed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	391	**Date:**	07-02-2014 12:13	**GPS:**	51.563584,-2.948088

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	422	**Date:**	06-02-2014 15:52	**GPS:**	51.557945,-2.944546

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Encroaching bramble and scrub

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	476	**Date:**	07-02-2014 12:14	**GPS:**	51.563500,-2.948111

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	428	**Date:**	06-02-2014 15:24	**GPS:**	51.558154,-2.950340

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Newly re profiled ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	465	**Date:**	07-02-2014 10:25	**GPS:**	51.561792,-2.941631

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Two Mallards present. Polluted in places.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	427	**Date:**	06-02-2014 15:33	**GPS:**	51.557578,-2.948763

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	30	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	429	**Date:**	06-02-2014 15:26	**GPS:**	51.558244,-2.950579

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Newly re profiled ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	482	**Date:**	07-02-2014 11:42	**GPS:**	51.567398,-2.950791

Waterbody Type	

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Torch survey recommended as next to better quality ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	474	**Date:**	07-02-2014 12:20	**GPS:**	51.563787,-2.948129

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Torch survey recommended

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	345	**Date:**	06-02-2014 11:21	**GPS:**	51.567414,-2.969687

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Polluted

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	438	**Date:**	06-02-2014 11:17	**GPS:**	51.566871,-2.969763

Waterbody Type	

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	New found ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	480	**Date:**	07-02-2014 12:05	**GPS:**	51.565763,-2.949662

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	489	**Date:**	07-02-2014 11:33	**GPS:**	51.566382,-2.947937

Waterbody Type	

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Dry at one end with dense bull rush cover.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	479	**Date:**	07-02-2014 12:03	**GPS:**	51.565747,-2.949587

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Dense duckweed cover.eutrophic

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	432	**Date:**	07-02-2014 10:43	**GPS:**	51.560997,-2.946475

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	348	**Date:**	06-02-2014 11:15	**GPS:**	51.566601,-2.969646

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	453	**Date:**	07-02-2014 10:03	**GPS:**	51.563370,-2.938788

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Partial duckweed cover appears to of been dredged in recent past.

Photo 1

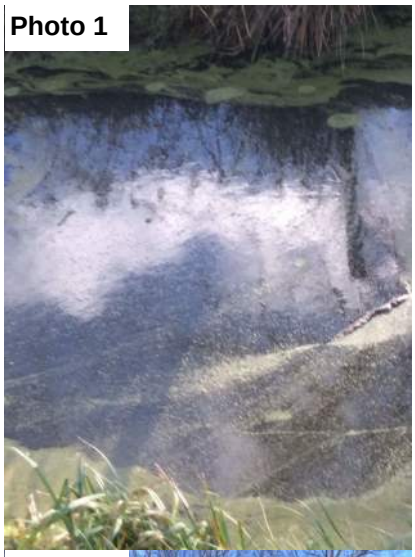

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	475	**Date:**	07-02-2014 12:24	**GPS:**	51.564347,-2.948825

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Torch survey recommended

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	531	**Date:**	07-02-2014 14:39	**GPS:**	51.563734,-2.917350

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	473	**Date:**	07-02-2014 12:16	**GPS:**	51.563226,-2.947873

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	528	**Date:**	07-02-2014 14:26	**GPS:**	51.561752,-2.917547

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown in places under hedgerow

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	346	**Date:**	06-02-2014 11:25	**GPS:**	51.568609,-2.969606

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Between road and amenity grassland. CSO present. Reed cover.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	485	**Date:**	07-02-2014 10:38	**GPS:**	51.561062,-2.946268

Waterbody Type	Pond

Pond Scores			
Pond Area m²	8	**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.33
Larger Pond HSI Score	0.41
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Dense duckweed cover.eutrophic.lightly polluted by road traffic

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	478	**Date:**	07-02-2014 12:08	**GPS:**	51.564548,-2.949204

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	488	**Date:**	07-02-2014 11:21	**GPS:**	51.567619,-2.943590

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	444	**Date:**	06-02-2014 15:17	**GPS:**	51.558676,-2.950380

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	442	**Date:**	06-02-2014 14:59	**GPS:**	51.559583,-2.953697

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	487	**Date:**	07-02-2014 10:53	**GPS:**	51.561393,-2.949579

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	454	**Date:**	07-02-2014 10:07	**GPS:**	51.563818,-2.938922

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Enclosed ditch surrounded by dense hedgerow.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	484	**Date:**	07-02-2014 11:57	**GPS:**	51.567781,-2.951735

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	469	**Date:**	07-02-2014 10:29	**GPS:**	51.561332,-2.945160

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	399	**Date:**	06-02-2014 15:01	**GPS:**	51.559583,-2.953697

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Scrub encroaching

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	405	**Date:**	06-02-2014 14:41	**GPS:**	51.559955,-2.951297

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	397	**Date:**	06-02-2014 14:23	**GPS:**	51.560758,-2.952272

Waterbody Type	Pond

Pond Scores			
Pond Area m²		**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.44
Larger Pond HSI Score	0.56
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reed bed rather than pond

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	343	**Date:**	06-02-2014 11:40	**GPS:**	51.567593,-2.969839

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	In car park. Cloudy polluted water.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	382	**Date:**	06-02-2014 14:04	**GPS:**	51.561221,-2.954806

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	490	**Date:**	07-02-2014 13:18	**GPS:**	51.561347,-2.939912

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	445	**Date:**	06-02-2014 15:39	**GPS:**	51.558262,-2.947574

Waterbody Type	Pond

Pond Scores			
Pond Area m²	10	**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.45
Larger Pond HSI Score	0.57
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Bull rush, rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	486	**Date:**	07-02-2014 10:41	**GPS:**	51.561010,-2.946319

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Partial duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	347	**Date:**	06-02-2014 11:31	**GPS:**	51.569171,-2.969792

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.28

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Bad	**Water Quality Score**	0.01
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Unsuitable as badly polluted

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	519	**Date:**	07-02-2014 14:02	**GPS:**	51.559967,-2.922649

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown in places

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	350	**Date:**	06-02-2014 10:53	**GPS:**	51.566819,-2.967061

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	395	**Date:**	06-02-2014 14:21	**GPS:**	51.560869,-2.952407

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Over grown by scrub along majority if ditch length.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	398	**Date:**	06-02-2014 14:06	**GPS:**	51.561186,-2.954802

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	400	**Date:**	06-02-2014 14:54	**GPS:**	51.559584,-2.952858

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	349	**Date:**	06-02-2014 11:10	**GPS:**	51.566733,-2.968836

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Reed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	523	**Date:**	07-02-2014 14:22	**GPS:**	51.560685,-2.919836

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Very overgrown and high turbid water

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	430	**Date:**	06-02-2014 15:21	**GPS:**	51.558822,-2.949595

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	441	**Date:**	06-02-2014 15:03	**GPS:**	51.559543,-2.952922

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Starwort

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	394	**Date:**	06-02-2014 14:10	**GPS:**	51.561742,-2.954023

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	529	**Date:**	07-02-2014 14:32	**GPS:**	51.562818,-2.918792

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Wide dredged ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	431	**Date:**	06-02-2014 14:45	**GPS:**	51.559843,-2.951315

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	481	**Date:**	07-02-2014 11:38	**GPS:**	51.567371,-2.950715

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Torch survey recommended

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	463	**Date:**	07-02-2014 10:16	**GPS:**	51.563109,-2.940315

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Flooded ditch with mature tree and hedgerow and sparse rush cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	146	**Date:**	05-02-2014 14:17	**GPS:**	51.554099,-3.016372

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	100	**Date:**	05-02-2014 13:08	**GPS:**	51.546157,-3.028347

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	296	**Date:**	05-02-2014 12:48	**GPS:**	51.544245,-3.024221

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	114	**Date:**	05-02-2014 13:49	**GPS:**	51.549886,-3.025225

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	191	**Date:**	05-02-2014 16:14	**GPS:**	51.552885,-3.003113

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	181	**Date:**	05-02-2014 16:33	**GPS:**	51.555606,-3.007206

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	187	**Date:**	05-02-2014 16:20	**GPS:**	51.554181,-3.004130

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	180	**Date:**	05-02-2014 16:26	**GPS:**	51.554679,-3.004464

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	60	**Date:**	05-02-2014 10:55	**GPS:**	51.549446,-3.045909

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	30	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Flowing

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	145	**Date:**	05-02-2014 14:16	**GPS:**	51.554106,-3.016328

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	176

Date:	05-02-2014 16:05	**GPS:**	51.552184,-3.000659

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	175

Date:	05-02-2014 16:10	**GPS:**	51.552753,-3.002645

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reeds

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	144	**Date:**	05-02-2014 14:07	**GPS:**	51.554703,-3.019982

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Flowing

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	219	**Date:**	05-02-2014 11:44	**GPS:**	51.550829,-3.009963

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	25	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	117	**Date:**	05-02-2014 13:55	**GPS:**	51.551089,-3.023295

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	315	**Date:**	05-02-2014 13:21	**GPS:**	51.546512,-3.031752

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	90	**Date:**	05-02-2014 13:15	**GPS:**	51.547013,-3.030250

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Flowing

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	166	**Date:**	05-02-2014 16:30	**GPS:**	51.555295,-3.006742

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reeds

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	147	**Date:**	05-02-2014 11:24	**GPS:**	51.554177,-3.010954

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Rubbish dumped

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	137	**Date:**	05-02-2014 14:20	**GPS:**	51.553773,-3.014406

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	98	**Date:**	05-02-2014 13:34	**GPS:**	51.547121,-3.029980

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown with tree hedgerow and bramble

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43	**Date:**	05-02-2014 13:27	**GPS:**	51.545652,-3.034071

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	92	**Date:**	05-02-2014 13:59	**GPS:**	51.551778,-3.022301

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	15	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	192	**Date:**	05-02-2014 15:59	**GPS:**	51.552048,-3.000222

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	437	**Date:**	06-02-2014 11:04	**GPS:**	51.566530,-2.968338

Waterbody Type	

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	472	**Date:**	07-02-2014 10:58	**GPS:**	51.561434,-2.947261

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Poor ditch likely to be dry during droughts

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	295	**Date:**	05-02-2014 12:40	**GPS:**	51.542875,-3.022619

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	447	**Date:**	07-02-2014 09:37	**GPS:**	51.561148,-2.944474

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Wide dredged ditch with flow and partial duckweed cover.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	401	**Date:**	06-02-2014 14:37	**GPS:**	51.559890,-2.952046

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	491	**Date:**	07-02-2014 13:19	**GPS:**	51.560942,-2.939357

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	436	**Date:**	06-02-2014 11:05	**GPS:**	51.566558,-2.968451

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Bull rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	379	**Date:**	06-02-2014 13:50	**GPS:**	51.561525,-2.955857

Waterbody Type	Pond

Pond Scores			
Pond Area m²		**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.4
Larger Pond HSI Score	0.5
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	532	**Date:**	07-02-2014 14:41	**GPS:**	51.563560,-2.917793

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	425	**Date:**	06-02-2014 15:44	**GPS:**	51.557442,-2.946071

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	452	**Date:**	07-02-2014 09:54	**GPS:**	51.561969,-2.940998

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Dense duckweed cover. Eutrophic in places.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	460	**Date:**	07-02-2014 10:09	**GPS:**	51.563956,-2.938975

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	492	**Date:**	07-02-2014 13:33	**GPS:**	51.560546,-2.939045

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	Survey recommended

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	402	**Date:**	06-02-2014 14:28	**GPS:**	51.560293,-2.951725

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	420	**Date:**	06-02-2014 15:46	**GPS:**	51.557631,-2.945650

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	464	**Date:**	07-02-2014 10:18	**GPS:**	51.563101,-2.940351

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Good	**Water Quality Score**	1
Shade	60	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Flooded ditch. Calm in places with leaf litter and good access to terrestrial habitat. Survey recommended

Photo 1

Photo 2

Photo 3

Photo 4

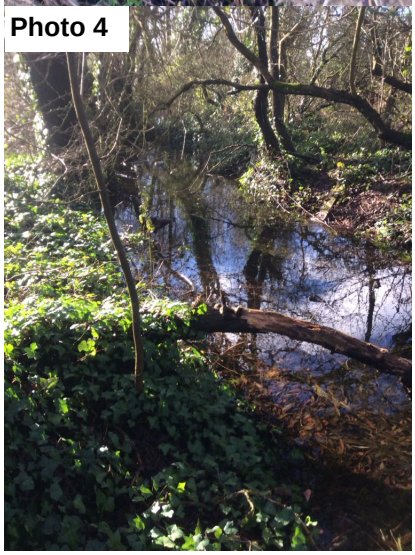

Photo 5

Photo 6

HSI

Waterbody Number:	173	**Date:**	05-02-2014 16:17	**GPS:**	51.553470,-3.003427

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reeds

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	423	**Date:**	06-02-2014 15:51	**GPS:**	51.557916,-2.944560

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Bull rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	520	**Date:**	07-02-2014 14:18	**GPS:**	51.560693,-2.919821

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Heavily overgrown and very turbid water

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	406	**Date:**	06-02-2014 14:42	**GPS:**	51.559843,-2.951315

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Bull rush and rush coverage

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	419	**Date:**	06-02-2014 15:37	**GPS:**	51.558226,-2.947432

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Terrestrial habitat back in the woodlands.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	95	**Date:**	05-02-2014 13:14	**GPS:**	51.546956,-3.030302

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	518	**Date:**	07-02-2014 13:59	**GPS:**	51.559622,-2.922172

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Wide ditch with flow and turbid water

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	440	**Date:**	06-02-2014 14:32	**GPS:**	51.560175,-2.951445

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Good	**Water Quality Score**	1
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	New ditch in exposed field.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	533	**Date:**	07-02-2014 14:40	**GPS:**	51.563610,-2.917797

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.318386

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality		**Water Quality Score**	
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	530	**Date:**	07-02-2014 14:35	**GPS:**	51.563413,-2.917872

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Poor enclosed ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	526	**Date:**	07-02-2014 14:14	**GPS:**	51.560070,-2.919567

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Eavily overgrown in places

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	433	**Date:**	06-02-2014 15:57	**GPS:**	51.559176,-2.945670

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	421	**Date:**	06-02-2014 15:49	**GPS:**	51.557925,-2.944836

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	451	**Date:**	07-02-2014 09:52	**GPS:**	51.561631,-2.942188

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Inlet with aquatic vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	439	**Date:**	06-02-2014 14:16	**GPS:**	51.561396,-2.953357

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Good	**Water Quality Score**	1
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	New ditch on exposed field. No shade.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	471	**Date:**	07-02-2014 11:09	**GPS:**	51.563385,-2.946565

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	462	**Date:**	07-02-2014 10:11	**GPS:**	51.563946,-2.939049

Waterbody Type	

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	60	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	446	**Date:**	06-02-2014 15:59	**GPS:**	51.559700,-2.945919

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	517	**Date:**	07-02-2014 14:53	**GPS:**	51.561162,-2.924329

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Good	**Water Quality Score**	1
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Large open ditch with slight flow and turbid water

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	483	**Date:**	07-02-2014 11:54	**GPS:**	51.567914,-2.951349

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Torch survey recommended as connected to good quality ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	426	**Date:**	06-02-2014 15:31	**GPS:**	51.557559,-2.948515

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	515	**Date:**	07-02-2014 14:46	**GPS:**	51.562431,-2.921834

Waterbody Type	

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Over grown in places. Bull rush and rush present. Torch survey recommended if still wet.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	477	**Date:**	07-02-2014 12:11	**GPS:**	51.564262,-2.948976

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Partial duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	93	**Date:**	05-02-2014 14:00	**GPS:**	51.551813,-3.022326

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	305	**Date:**	05-02-2014 12:29	**GPS:**	51.543367,-3.021965

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	313

Date:	05-02-2014 12:25	**GPS:**	51.542711,-3.020546

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	220	**Date:**	05-02-2014 11:40	**GPS:**	51.551341,-3.010162

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	65	**Shade Score**	0.9
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Very high, macrophytes not visible

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	226	**Date:**	05-02-2014 11:32	**GPS:**	51.552866,-3.010170

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	135	**Date:**	05-02-2014 14:15	**GPS:**	51.553929,-3.016575

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	88	**Date:**	05-02-2014 13:52	**GPS:**	51.550382,-3.024369

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	64	**Date:**	05-02-2014 13:24	**GPS:**	51.546221,-3.032557

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	141	**Date:**	05-02-2014 14:21	**GPS:**	51.553791,-3.014313

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.28

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	142	**Date:**	05-02-2014 14:13	**GPS:**	51.554178,-3.017129

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	190	**Date:**	05-02-2014 16:11	**GPS:**	51.552734,-3.002657

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	193	**Date:**	05-02-2014 16:02	**GPS:**	51.552073,-3.000306

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	83	**Date:**	05-02-2014 13:41	**GPS:**	51.548370,-3.027822

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	5	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	59	**Date:**	05-02-2014 11:02	**GPS:**	51.548358,-3.043480

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.33

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Bad	**Water Quality Score**	0.01
Shade	15	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reed bed, evidence of contamination

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	183	**Date:**	05-02-2014 16:31	**GPS:**	51.555503,-3.006982

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	05-02-2014 13:57	**GPS:**	51.551613,-3.022268

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	314	**Date:**	05-02-2014 12:30	**GPS:**	51.543392,-3.021956

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	In woodland

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	99	**Date:**	05-02-2014 13:09	**GPS:**	51.546147,-3.028368

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	102	**Date:**	05-02-2014 12:54	**GPS:**	51.545680,-3.027016

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	227	**Date:**	05-02-2014 11:31	**GPS:**	51.552917,-3.010193

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	94	**Date:**	05-02-2014 13:21	**GPS:**	51.546425,-3.031890

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.332096

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Flowing slowly

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	195	**Date:**	05-02-2014 11:34	**GPS:**	51.552841,-3.010303

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Macrophytes not visible as viewed from bridge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	97	**Date:**	05-02-2014 13:03	**GPS:**	51.545273,-3.026400

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	306	**Date:**	05-02-2014 12:32	**GPS:**	51.543130,-3.022124

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	91	**Date:**	05-02-2014 13:39	**GPS:**	51.548108,-3.028056

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	292	**Date:**	05-02-2014 12:41	**GPS:**	51.543618,-3.022493

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reedbed

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	338

Date:	06-02-2014 10:15	**GPS:**	51.566729,-2.963797

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43	**Date:**	04-02-2014 14:52	**GPS:**	51.542812,-3.042984

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	32	**Date:**	04-02-2014 14:16	**GPS:**	51.541755,-3.048704

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	19	**Date:**	04-02-2014 13:27	**GPS:**	51.547291,-3.052198

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	352

Date:	06-02-2014 09:53	GPS:	51.565271,-2.967733

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	Location Score	0.5
Drying	Annually	Drying Score	0.1
Water Quality	Poor	Water Quality Score	0.33
Shade	80	Shade Score	0.6
Fowl	Absent	Fowl Score	1
Fish	Absent	Fish Score	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	Habitat Score	
Macrophyte Cover Percentage	0	Macrophyte Score	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	42	**Date:**	04-02-2014 14:46	**GPS:**	51.542189,-3.045200

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	39	**Date:**	04-02-2014 14:36	**GPS:**	51.542321,-3.046132

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	42	**Date:**	04-02-2014 15:12	**GPS:**	51.545431,-3.034402

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.32

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	15	**Date:**	04-02-2014 13:39	**GPS:**	51.545451,-3.054968

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.16

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		None	
Terrestrial Habitat Quality	0.01	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	7	**Date:**	04-02-2014 09:50	**GPS:**	51.549669,-3.084355

Waterbody Type	Pond

Pond Scores			
Pond Area m²	100	**Pond Area Score**	0.2
Pond Density		**Pond Density Score**	0.52
Number of Ponds		6	

HSI Scores	
Pond HSI Score	0.55
Larger Pond HSI Score	0.62
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	5	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	782	**Date:**	04-02-2014 14:27	**GPS:**	51.540541,-3.043306

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.26

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Bad	**Water Quality Score**	0.01
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	27	**Date:**	04-02-2014 13:33	**GPS:**	51.546690,-3.053446

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	30	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	4

Date:	04-02-2014 10:28	GPS:	51.544928,-3.084184

Waterbody Type	Pond

Pond Scores			
Pond Area m²	600	Pond Area Score	1
Pond Density		Pond Density Score	0.44
Number of Ponds		5	

HSI Scores	
Pond HSI Score	0.75
Larger Pond HSI Score	0.73
Reen HSI Score	0.79

Scores			
Location Zone	0.5	Location Score	0.5
Drying	Never	Drying Score	0.9
Water Quality	Moderate	Water Quality Score	0.67
Shade	0	Shade Score	1
Fowl	Minor	Fowl Score	0.67
Fish	Absent	Fish Score	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	Habitat Score	
Macrophyte Cover Percentage	0.65	Macrophyte Score	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	56	**Date:**	04-02-2014 15:23	**GPS:**	51.546039,-3.039110

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	12	**Date:**	04-02-2014 13:50	**GPS:**	51.545949,-3.057481

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	42	**Date:**	04-02-2014 15:08	**GPS:**	51.544654,-3.036579

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	8	**Date:**	04-02-2014 11:24	**GPS:**	51.543333,-3.071090

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.02	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	339	**Date:**	06-02-2014 10:05	**GPS:**	51.566748,-2.969686

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	11	**Date:**	04-02-2014 13:46	**GPS:**	51.546362,-3.057548

Waterbody Type	Pond

Pond Scores			
Pond Area m²	800	**Pond Area Score**	0.98
Pond Density		**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.69
Larger Pond HSI Score	0.66
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	5	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	34	**Date:**	04-02-2014 14:21	**GPS:**	51.541980,-3.045653

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43	**Date:**	04-02-2014 14:53	**GPS:**	51.542794,-3.042998

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43	**Date:**	04-02-2014 14:47	**GPS:**	51.542215,-3.045219

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	351	**Date:**	06-02-2014 10:44	**GPS:**	51.566914,-2.963642

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	95	**Shade Score**	0.3
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43

Date:	04-02-2014 15:00	**GPS:**	51.543205,-3.041367

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	55	**Date:**	04-02-2014 15:14	**GPS:**	51.545695,-3.034178

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.34

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	47	**Date:**	04-02-2014 14:54	**GPS:**	51.543216,-3.041456

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	51	**Date:**	04-02-2014 15:06	**GPS:**	51.544543,-3.037297

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	38	**Date:**	04-02-2014 14:38	**GPS:**	51.543235,-3.046955

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	13	**Date:**	04-02-2014 14:01	**GPS:**	51.543696,-3.058331

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6	**Date:**	04-02-2014 09:41	**GPS:**	51.549257,-3.083434

Waterbody Type	Pond

Pond Scores			
Pond Area m²	200	**Pond Area Score**	0.4
Pond Density		**Pond Density Score**	0.44
Number of Ponds		5	

HSI Scores	
Pond HSI Score	0.6
Larger Pond HSI Score	0.62
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

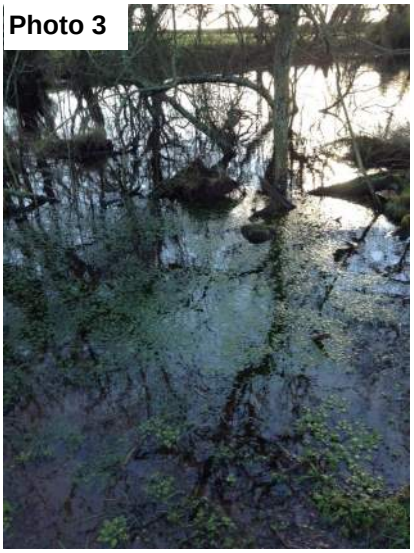

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	13	**Date:**	04-02-2014 14:02	**GPS:**	51.543691,-3.058341

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	584
Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Date:	11-02-2014 12:24	**GPS:**	51.560530,-2.912577

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	565	**Date:**	11-02-2014 11:13	**GPS:**	51.564951,-2.904259

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	554	**Date:**	11-02-2014 10:44	**GPS:**	51.561296,-2.895291

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	540	**Date:**	11-02-2014 10:07	**GPS:**	51.560013,-2.889905

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	629	**Date:**	11-02-2014 15:13	**GPS:**	51.568974,-2.861062

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	624	**Date:**	11-02-2014 15:02	**GPS:**	51.566927,-2.867507

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	623	**Date:**	11-02-2014 14:59	**GPS:**	51.566684,-2.868297

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	591	**Date:**	11-02-2014 13:56	**GPS:**	51.562199,-2.882541

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	622	**Date:**	11-02-2014 14:58	**GPS:**	51.566591,-2.868324

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	604	**Date:**	11-02-2014 14:16	**GPS:**	51.564145,-2.876209

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	30	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	587	**Date:**	11-02-2014 13:49	**GPS:**	51.561604,-2.884459

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	581	**Date:**	11-02-2014 12:06	**GPS:**	51.564140,-2.916384

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	630	**Date:**	11-02-2014 15:17	**GPS:**	51.569193,-2.860238

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	611	**Date:**	11-02-2014 14:41	**GPS:**	51.564904,-2.867673

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.25	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	586	**Date:**	11-02-2014 13:46	**GPS:**	51.561652,-2.884610

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	580	**Date:**	11-02-2014 12:00	**GPS:**	51.564994,-2.913294

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	619	**Date:**	11-02-2014 14:49	**GPS:**	51.563956,-2.866610

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	567	**Date:**	11-02-2014 11:15	**GPS:**	51.564829,-2.904132

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	549	**Date:**	11-02-2014 10:41	**GPS:**	51.561296,-2.895226

Waterbody Type	

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	539	**Date:**	11-02-2014 10:04	**GPS:**	51.560085,-2.889840

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	576	**Date:**	11-02-2014 11:47	**GPS:**	51.562680,-2.910481

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	617	**Date:**	11-02-2014 14:44	**GPS:**	51.564617,-2.867475

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	594	**Date:**	11-02-2014 14:03	**GPS:**	51.563038,-2.879871

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	628	**Date:**	11-02-2014 15:15	**GPS:**	51.568997,-2.860959

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	612	**Date:**	11-02-2014 14:38	**GPS:**	51.565188,-2.867870

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	5	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	615	**Date:**	11-02-2014 14:39	**GPS:**	51.565103,-2.867766

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.38

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	598	**Date:**	11-02-2014 14:06	**GPS:**	51.563245,-2.878837

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.34

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	620	**Date:**	11-02-2014 14:57	**GPS:**	51.566372,-2.868958

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.38

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	606	**Date:**	11-02-2014 14:18	**GPS:**	51.564218,-2.875893

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	553	**Date:**	11-02-2014 10:39	**GPS:**	51.561218,-2.894981

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	583	**Date:**	11-02-2014 12:13	**GPS:**	51.562966,-2.914458

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	578	**Date:**	11-02-2014 11:55	**GPS:**	51.565284,-2.911201

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.31

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Bad	**Water Quality Score**	0.01
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Ver strong flow

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	568	**Date:**	11-02-2014 11:20	**GPS:**	51.564802,-2.904440

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	566	**Date:**	11-02-2014 11:15	**GPS:**	51.564785,-2.904202

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.25	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	547	**Date:**	11-02-2014 10:26	**GPS:**	51.560321,-2.893764

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	563	**Date:**	11-02-2014 10:59	**GPS:**	51.564669,-2.899653

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

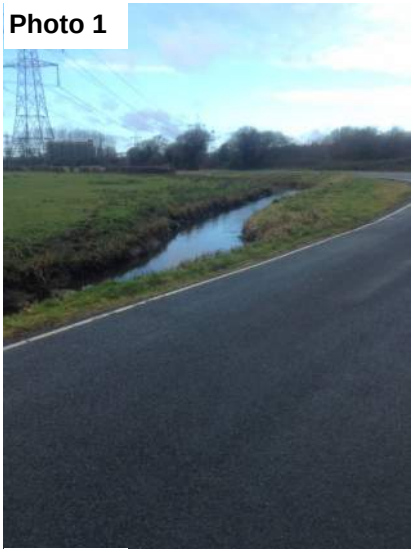

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	550	**Date:**	11-02-2014 10:37	**GPS:**	51.561183,-2.894960

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.15	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	610	**Date:**	11-02-2014 14:29	**GPS:**	51.565509,-2.871532

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	575	**Date:**	11-02-2014 12:17	**GPS:**	51.561681,-2.912065

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	582	**Date:**	11-02-2014 12:12	**GPS:**	51.562929,-2.914494

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2093	**Date:**	11-02-2014 10:50	**GPS:**	51.561042,-2.892690

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	605	**Date:**	11-02-2014 14:17	**GPS:**	51.564167,-2.876182

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	621	**Date:**	11-02-2014 14:59	**GPS:**	51.566617,-2.868312

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	590	**Date:**	11-02-2014 13:52	**GPS:**	51.561718,-2.884378

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	602	**Date:**	11-02-2014 14:14	**GPS:**	51.564020,-2.876676

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	0.6m/s flow

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	574	**Date:**	11-02-2014 12:28	**GPS:**	51.560802,-2.910041

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	592	**Date:**	11-02-2014 13:58	**GPS:**	51.562290,-2.882287

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.15	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	573	**Date:**	11-02-2014 11:40	**GPS:**	51.560989,-2.909850

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.28

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Bad	**Water Quality Score**	0.01
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Strong flow ~1.3m/s

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	571	**Date:**	11-02-2014 11:30	**GPS:**	51.563458,-2.906430

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	560	**Date:**	11-02-2014 10:51	**GPS:**	51.562424,-2.896779

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	551	**Date:**	11-02-2014 10:24	**GPS:**	51.560310,-2.893682

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.38

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2106	**Date:**	11-02-2014 11:28	**GPS:**	51.581264,-2.847641

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Good	**Water Quality Score**	1
Shade	75	**Shade Score**	0.7
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	608	**Date:**	11-02-2014 14:21	**GPS:**	51.564658,-2.874570

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.34

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	552	**Date:**	11-02-2014 10:32	**GPS:**	51.560728,-2.894327

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	616	**Date:**	11-02-2014 14:39	**GPS:**	51.565171,-2.867849

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	546	**Date:**	11-02-2014 10:17	**GPS:**	51.559312,-2.892436

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	627	**Date:**	11-02-2014 15:12	**GPS:**	51.568989,-2.861013

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	5	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	561	**Date:**	11-02-2014 10:57	**GPS:**	51.563797,-2.898525

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	541	**Date:**	11-02-2014 10:13	**GPS:**	51.559274,-2.892140

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	593	**Date:**	11-02-2014 14:00	**GPS:**	51.562610,-2.881291

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	613	**Date:**	11-02-2014 14:42	**GPS:**	51.564874,-2.867711

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.25	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	589	**Date:**	11-02-2014 13:52	**GPS:**	51.576442,-2.869843

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	599	**Date:**	11-02-2014 14:09	**GPS:**	51.563652,-2.877892

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	585	**Date:**	11-02-2014 13:41	**GPS:**	51.560695,-2.887608

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	618	**Date:**	11-02-2014 14:47	**GPS:**	51.564022,-2.866624

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	545	**Date:**	11-02-2014 10:19	**GPS:**	51.559317,-2.892461

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	1

Notes:	Footprints on bank. Dog or fox

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	559	**Date:**	11-02-2014 10:54	**GPS:**	51.562823,-2.897354

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	626	**Date:**	11-02-2014 15:05	**GPS:**	51.567434,-2.865777

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	542	**Date:**	11-02-2014 10:14	**GPS:**	51.559202,-2.892255

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	544	**Date:**	11-02-2014 10:20	**GPS:**	51.559396,-2.892440

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	555	**Date:**	11-02-2014 10:42	**GPS:**	51.561293,-2.895322

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	536	**Date:**	11-02-2014 09:59	**GPS:**	51.560323,-2.888803

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Bad	**Water Quality Score**	0.01
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Highly polluted steelworks drainage

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	603	**Date:**	11-02-2014 14:12	**GPS:**	51.563996,-2.876667

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Noticeable flow 0.6m/s

Photo 1

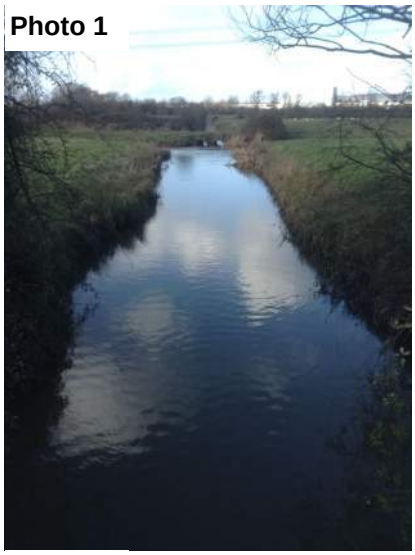

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	564	**Date:**	11-02-2014 11:07	**GPS:**	51.564908,-2.901243

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	1	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	631	**Date:**	11-02-2014 15:21	**GPS:**	51.569747,-2.858072

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	595	**Date:**	11-02-2014 14:04	**GPS:**	51.563050,-2.879755

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	609	**Date:**	11-02-2014 14:24	**GPS:**	51.564886,-2.873689

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2105	**Date:**	12-02-2014 13:42	**GPS:**	51.576353,-2.845486

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Open marshy grassland with some flooding and log piles

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	635	**Date:**	12-02-2014 10:10	**GPS:**	51.575521,-2.849968

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Grasslands with rush Star wort

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	659	**Date:**	12-02-2014 13:02	**GPS:**	51.577848,-2.840443

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61603

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	Marshy grassland with log pills despite quiet road parallel to reen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	636	**Date:**	12-02-2014 10:14	**GPS:**	51.575587,-2.849010

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	668	**Date:**	12-02-2014 13:39	**GPS:**	51.576788,-2.844010

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.21

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	666	**Date:**	12-02-2014 13:23	**GPS:**	51.577430,-2.841813

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.442396

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	Scrub and trees along reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	642	**Date:**	12-02-2014 10:43	**GPS:**	51.574879,-2.852755

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Trees and reeds. Undisturbed. Stream rather than Rene. Flowing and only a trickle

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	657	**Date:**	12-02-2014 12:57	**GPS:**	51.577929,-2.839977

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.21286

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	Overgrown and dry

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	670	**Date:**	12-02-2014 13:45	**GPS:**	51.575977,-2.846612

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Log piles rotting Long rush on open marshy grassland with flooding. Scrub/trees nearby

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	660	**Date:**	12-02-2014 13:05	**GPS:**	51.577821,-2.840499

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Duckweed, rush Rotting woodpile, quiet road location, scrub and trees next to houses.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	656	**Date:**	12-02-2014 12:55	**GPS:**	51.577927,-2.839953

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.8

Notes:	Marshy grassland adjacent to reen. Log piles rotting in field.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	655	**Date:**	12-02-2014 12:52	**GPS:**	51.578033,-2.837708

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.23

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Dry and over grown ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	672	**Date:**	12-02-2014 13:52	**GPS:**	51.575546,-2.848195

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Reed and tree cover. Outfall/exit. Bull rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	667	**Date:**	12-02-2014 13:33	**GPS:**	51.576843,-2.843763

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Open marshy grassland

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	658	**Date:**	12-02-2014 12:59	**GPS:**	51.577919,-2.840032

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.23

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Roadside

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	648	**Date:**	12-02-2014 11:07	**GPS:**	51.574471,-2.855653

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	As 647

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	639	**Date:**	12-02-2014 10:26	**GPS:**	51.574964,-2.850204

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Roadside habitat with some trees Evidence of teen management

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	643	**Date:**	12-02-2014 10:48	**GPS:**	51.575222,-2.853297

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	80	**Shade Score**	0.6
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Surrounded by open fields. One with horses.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	676	**Date:**	12-02-2014 15:23	**GPS:**	51.569922,-2.868838

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Main road and open field with sheep grazing

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	651	**Date:**	12-02-2014 11:26	**GPS:**	51.573521,-2.863185

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Roadside and distribution centre. Water slowly flowing east. Rush in reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6487	**Date:**	12-02-2014 11:14	**GPS:**	51.574117,-2.859723

Waterbody Type	Pond

Pond Scores			
Pond Area m²		**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.38
Larger Pond HSI Score	0.47
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Adjacent to TESCO Distribution Centre

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	653	**Date:**	12-02-2014 12:44	**GPS:**	51.577330,-2.834010

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Scrub and trees alongside reen. Mammal trap likely Gwent WT

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	677	**Date:**	12-02-2014 15:25	**GPS:**	51.569979,-2.868662

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Flowing stream. Shallow

Photo 1

Photo 2

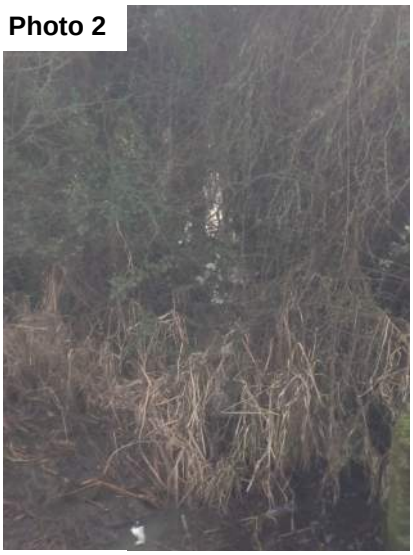

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	673	**Date:**	12-02-2014 13:54	**GPS:**	51.575673,-2.847733

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	663	**Date:**	12-02-2014 13:14	**GPS:**	51.577417,-2.841820

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Orange sediments Trees, log piles, marshy grassland

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	641	**Date:**	12-02-2014 10:39	**GPS:**	51.575024,-2.851408

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.21

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	100	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Does not exist. Covered by reeds.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	637	**Date:**	12-02-2014 10:18	**GPS:**	51.575264,-2.850146

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.373025

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Major	**Fowl Score**	0.01
Fish	Absent	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	2 mallards present

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	671	**Date:**	12-02-2014 13:48	**GPS:**	51.575641,-2.848037

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Reens connected , marshy grassland, trees and scrub

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	645	**Date:**	12-02-2014 11:00	**GPS:**	51.574686,-2.854864

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Scrub in fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	674	**Date:**	12-02-2014 13:57	**GPS:**	51.575820,-2.847922

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Main road and open fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	647	**Date:**	12-02-2014 11:04	**GPS:**	51.574571,-2.855203

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	As 646

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	664

Date:	12-02-2014 13:16	GPS:	51.577364,-2.841738

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	Location Score	0.5
Drying	Annually	Drying Score	0.1
Water Quality	Moderate	Water Quality Score	0.67
Shade	50	Shade Score	1
Fowl	Absent	Fowl Score	1
Fish	Absent	Fish Score	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	Habitat Score	
Macrophyte Cover Percentage	0.1	Macrophyte Score	0.4

Notes:	As 663 Water becoming less orange towards southwest

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	652	**Date:**	12-02-2014 11:31	**GPS:**	51.572554,-2.862860

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Bull rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	640	**Date:**	12-02-2014 10:33	**GPS:**	51.575371,-2.851178

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Moorhens present but potential for others. Improved field with horses

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	634

Date:	12-02-2014 10:06	**GPS:**	51.575432,-2.850997

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Mink or otter trap

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	649	**Date:**	12-02-2014 11:19	**GPS:**	51.573985,-2.862555

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Roadside

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	644	**Date:**	12-02-2014 10:53	**GPS:**	51.575100,-2.853556

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Rainwater collecting in reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	632	**Date:**	12-02-2014 09:59	**GPS:**	51.575376,-2.851157

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Arable fields and roads

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	654	**Date:**	12-02-2014 12:49	**GPS:**	51.578034,-2.837059

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Bare ground and open field

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	665	**Date:**	12-02-2014 13:17	**GPS:**	51.577462,-2.841820

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	70	**Shade Score**	0.8
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Orange sediments in reen with rush Open fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	646	**Date:**	12-02-2014 11:02	**GPS:**	51.574677,-2.854802

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Trees and fields with scrub

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	633	**Date:**	12-02-2014 10:04	**GPS:**	51.575361,-2.850972

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	As 632

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	650	**Date:**	12-02-2014 11:21	**GPS:**	51.573882,-2.862639

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Water flowing into the ditch from south. See photo 2

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	675	**Date:**	12-02-2014 14:07	**GPS:**	51.574582,-2.849956

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Scrub, trees, flooded field margins

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	678	**Date:**	12-02-2014 15:27	**GPS:**	51.569988,-2.869398

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Duckweed, willow branches in water. Roadside and open fields. Reeds in water.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	662	**Date:**	12-02-2014 13:10	**GPS:**	51.577569,-2.841214

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Roadside and improved field Reen covered in duckweed Rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	638	**Date:**	12-02-2014 10:22	**GPS:**	51.575249,-2.850147

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Trees surrounds habitat

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	661	**Date:**	12-02-2014 13:07	**GPS:**	51.577716,-2.840649

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Marshy grassland with log piles and evidence of reen management. Effluent/outfall exit

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	680	**Date:**	14-02-2014 09:52	**GPS:**	51.575107,-2.938082

Waterbody Type	Pond

Pond Scores			
Pond Area m²		**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.19
Larger Pond HSI Score	0.22
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Good	**Water Quality Score**	1
Shade	30	**Shade Score**	1
Fowl	Major	**Fowl Score**	0.01
Fish	Major	**Fish Score**	0.01
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.15	**Macrophyte Score**	0.45

Notes:	Large duck ponds

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	321	**Date:**	14-02-2014 14:28	**GPS:**	51.551363,-2.997485

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Large improved fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	683	**Date:**	14-02-2014 10:10	**GPS:**	51.573505,-2.936901

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown and duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	679	**Date:**	14-02-2014 09:46	**GPS:**	51.575086,-2.936453

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Newly realigned due to St mowden development

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	317	**Date:**	14-02-2014 15:03	**GPS:**	51.551445,-2.996683

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Poor	**Water Quality Score**	0.33
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Tree and scrub line with improved fields. Reen maintenance/dam. Manure pile washing into reen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	682	**Date:**	14-02-2014 10:01	**GPS:**	51.573430,-2.940599

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Partial duckweed cover. Torch survey advised.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	681	**Date:**	14-02-2014 09:54	**GPS:**	51.575113,-2.938013

Waterbody Type	Pond

Pond Scores			
Pond Area m²		**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.19
Larger Pond HSI Score	0.22
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Good	**Water Quality Score**	1
Shade	20	**Shade Score**	1
Fowl	Major	**Fowl Score**	0.01
Fish	Major	**Fish Score**	0.01
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Large duck pomd

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	320	**Date:**	14-02-2014 14:20	**GPS:**	51.551952,-2.999867

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Large improved field. Duck weed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	686	**Date:**	14-02-2014 14:38	**GPS:**	51.551906,-2.998871

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.235522

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown. Improved fields.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	170	**Date:**	14-02-2014 15:11	**GPS:**	51.551881,-2.995475

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	5	**Shade Score**	1
Fowl	Major	**Fowl Score**	0.01
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Irises and rush along fringes. Open improved fields. Mallards and egrets observed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	687	**Date:**	14-02-2014 14:52	**GPS:**	51.552237,-3.000511

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown with trees. Improved fields.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	318	**Date:**	14-02-2014 14:41	**GPS:**	51.551894,-2.998824

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Improved fields. Overgrown with reeds. Star wort. Duckweed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	319	**Date:**	14-02-2014 14:31	**GPS:**	51.551376,-2.997603

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Improved fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	685	**Date:**	14-02-2014 14:34	**GPS:**	51.551574,-2.998218

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	90	**Shade Score**	0.4
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown. Large improved fields.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	684	**Date:**	14-02-2014 10:12	**GPS:**	51.573558,-2.936833

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	470	**Date:**	13-02-2014 09:46	**GPS:**	51.561523,-2.946425

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	525	**Date:**	13-02-2014 10:19	**GPS:**	51.560614,-2.919754

Waterbody Type	

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	407	**Date:**	13-02-2014 09:55	**GPS:**	51.560380,-2.950195

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	404	**Date:**	13-02-2014 09:52	**GPS:**	51.561138,-2.950092

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	403

Date:	13-02-2014 09:51	**GPS:**	51.561127,-2.950079

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	691	**Date:**	18-02-2014 10:02	**GPS:**	51.593574,-2.832836

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1000	**Pond Area Score**	0.95
Pond Density		**Pond Density Score**	0.22
Number of Ponds		2	

HSI Scores	
Pond HSI Score	0
Larger Pond HSI Score	0.295344
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality		**Water Quality Score**	
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Improved fields. Iris. Island in middle with duck housing and trees. Pond 50x20m

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	720	**Date:**	18-02-2014 14:53	**GPS:**	51.577949,-2.807818

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Good	**Water Quality Score**	1
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Grazing fields adjacent to reen with sheep and horses.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	708	**Date:**	18-02-2014 13:58	**GPS:**	51.578933,-2.799223

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	707	**Date:**	18-02-2014 13:53	**GPS:**	51.578008,-2.802435

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Fast flowing

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	706	**Date:**	18-02-2014 13:51	**GPS:**	51.577965,-2.802617

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	EA ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	701	**Date:**	18-02-2014 13:05	**GPS:**	51.582522,-2.788308

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Gentle flow. Scrub nearby. Good macrophyte cover. Star wort, water crowfoot.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	703	**Date:**	18-02-2014 13:17	**GPS:**	51.582694,-2.788348

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Poor	**Water Quality Score**	0.33
Shade	50	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Scrub nearby. Reeds in reen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	698	**Date:**	18-02-2014 12:55	**GPS:**	51.582891,-2.788643

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	Scrub and woodland nearby. Gentle flow.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	696	**Date:**	18-02-2014 11:56	**GPS:**	51.587138,-2.812557

Waterbody Type	

HSI Scores	
Reen HSI Score	0.34

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Motorway runoff

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	726	**Date:**	18-02-2014 14:57	**GPS:**	51.578407,-2.807693

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	30	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Good macrophyte scover. Clear water. Gentle flow. Grazing fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	697	**Date:**	18-02-2014 12:36	**GPS:**	51.585360,-2.786766

Waterbody Type	Pond

Pond Scores			
Pond Area m²	800	**Pond Area Score**	0.98
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.35575
Larger Pond HSI Score	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Poor	**Water Quality Score**	0.33
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	40x20m Outfall/pipe

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	690	**Date:**	18-02-2014 09:57	**GPS:**	51.593370,-2.832883

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	60	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.7

Notes:	Open fuels with hedgerow. Macrophytes in shallow ditch. Culvert.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	719
Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.58

Date:	18-02-2014 14:40	**GPS:**	51.579432,-2.808026

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Good macrophyte cover. Fast flow. Makeshift weirs. Rank grassland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	700	**Date:**	18-02-2014 12:59	**GPS:**	51.583000,-2.788667

Waterbody Type	

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Faster flowing. Good macrohyte civet, clear water. Scrub and woodland nearby.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	702	**Date:**	18-02-2014 13:14	**GPS:**	51.581871,-2.789619

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Over grown with brambles

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	718	**Date:**	18-02-2014 14:48	**GPS:**	51.579359,-2.808059

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Fast flow. Water crowfoot. Grazing fields.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	721	**Date:**	18-02-2014 14:17	**GPS:**	51.577371,-2.803160

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	10	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Large grazing fields adjacent with lamb and sheep. Mallard (F) present.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	722	**Date:**	18-02-2014 14:55	**GPS:**	51.577966,-2.807801

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Good	**Water Quality Score**	1
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.15	**Macrophyte Score**	0.45

Notes:	Gentle flow. Star wort in reen. Adjacent to grazing fields

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	695	**Date:**	18-02-2014 11:55	**GPS:**	51.587138,-2.812557

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.24

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality	Bad	**Water Quality Score**	0.01
Shade	0	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Motorway drainage channel

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	694	**Date:**	18-02-2014 10:54	**GPS:**	51.589524,-2.845090

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	0	**Shade Score**	1
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Dry pond with trees.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	699	**Date:**	18-02-2014 13:02	**GPS:**	51.582794,-2.788559

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	40	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Gentle flow. Good macrophyte cover. Water crowfoot, star wort.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	692	**Date:**	18-02-2014 10:08	**GPS:**	51.593118,-2.833241

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Clear flowing stream, water parsley.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	709	**Date:**	18-02-2014 13:59	**GPS:**	51.578922,-2.799117

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	98	**Shade Score**	0.2
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	710	**Date:**	18-02-2014 14:00	**GPS:**	51.578960,-2.799193

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Never	**Drying Score**	0.9
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	689	**Date:**	18-02-2014 09:42	**GPS:**	51.595359,-2.828559

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Moderate	**Water Quality Score**	0.67
Shade	20	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.05	**Macrophyte Score**	0.35

Notes:	Hedgerows restricting view. Surrounded by Open fields with sheep. Water parsley.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	725	**Date:**	18-02-2014 15:01	**GPS:**	51.578920,-2.807943

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Good	**Water Quality Score**	1
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Poor	
Terrestrial Habitat Quality	0.33	**Habitat Score**	
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	9152	**Date:**	25-02-2014 10:05	**GPS:**	51.553250,-3.010606

Waterbody Type	Pond

Pond Scores			
Pond Area m²	5	**Pond Area Score**	0.05
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0
Larger Pond HSI Score	
Reen HSI Score	0.332573

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Annually	**Drying Score**	0.1
Water Quality		**Water Quality Score**	
Shade	10	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.9

Notes:	Marshy grassland, rocky ballast next to raincoat corridor, scrub

Photo 1

Photo 2

Photo 3

Photo 4

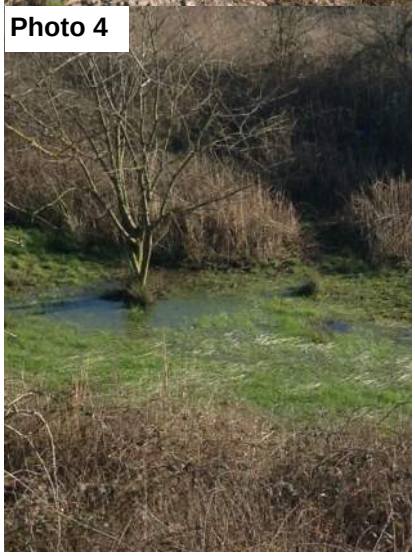

Photo 5

Photo 6

HSI

Waterbody Number:	55	**Date:**	24-02-2014 15:02	**GPS:**	51.546478,-3.036091

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Good	**Water Quality Score**	1
Shade	0	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.1	**Macrophyte Score**	0.4

Notes:	Scrub, semi improved grasslands, clear water, rush, reeds. Recently dredged. Torch survey recommended.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	9941	**Date:**	24-02-2014 15:42	**GPS:**	51.544860,-3.046977

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Sometimes	**Drying Score**	0.5
Water Quality	Good	**Water Quality Score**	1
Shade	40	**Shade Score**	1
Fowl	Absent	**Fowl Score**	1
Fish	Absent	**Fish Score**	1
Terrestrial Habitat		Moderate	
Terrestrial Habitat Quality	0.67	**Habitat Score**	
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.6

Notes:	Good macrophyte cover, clear water

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	437	**Date:**	25-02-2014 16:28	**GPS:**	51.566525,-2.968184

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	100	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0	**Macrophyte Score**	0.3

Notes:	Overgrown poor ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6	**Date:**	20-02-2014 11:41	**GPS:**	51.549658,-3.083475

Waterbody Type	Pond

Pond Scores			
Pond Area m²	800	**Pond Area Score**	0.98
Pond Density		**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.58
Larger Pond HSI Score	0.55
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	Rarely	**Drying Score**	1
Water Quality	Good	**Water Quality Score**	1
Shade	50	**Shade Score**	1
Fowl	Minor	**Fowl Score**	0.67
Fish	Minor	**Fish Score**	0.33
Terrestrial Habitat		Good	
Terrestrial Habitat Quality	1	**Habitat Score**	
Macrophyte Cover Percentage	0.2	**Macrophyte Score**	0.5

Notes:	Full GCN survey recommended

Photo 1

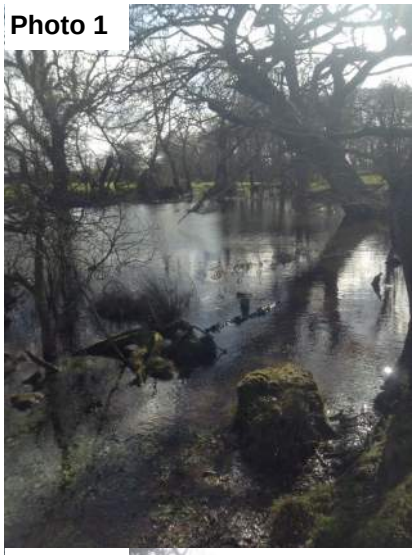

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	218	**Date:**	24-04-2014 10:01	**GPS:**	51.550987,-3.009388

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1118	**Date:**	02-04-2014 12:05	**GPS:**	51.565752,-2.925364

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1300	**Date:**	02-04-2014 10:57	**GPS:**	51.566777,-2.923722

Waterbody Type	

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	203	**Date:**	24-04-2014 13:11	**GPS:**	51.551335,-3.006792

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	225	**Date:**	24-04-2014 10:47	**GPS:**	51.552700,-3.008650

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	174	**Date:**	24-04-2014 12:22	**GPS:**	51.554303,-3.000443

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2091	**Date:**	03-04-2014 11:55	**GPS:**	51.568530,-2.890807

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	796	**Date:**	02-04-2014 12:29	**GPS:**	51.569725,-2.928105

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	838	**Date:**	23-04-2014 15:17	**GPS:**	51.564375,-2.937061

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	189	**Date:**	24-04-2014 11:32	**GPS:**	51.553223,-3.005893

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	764	**Date:**	23-04-2014 15:19	**GPS:**	51.564181,-2.937363

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	197	**Date:**	24-04-2014 11:03	**GPS:**	51.552277,-3.006478

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	326
Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Date:	24-04-2014 12:27	**GPS:**	51.552050,-3.000624

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1244	**Date:**	03-04-2014 11:37	**GPS:**	51.570131,-2.898536

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1000	**Pond Area Score**	0.95
Pond Density	1.5913	**Pond Density Score**	0.44
Number of Ponds		5	

HSI Scores	
Pond HSI Score	0.5
Larger Pond HSI Score	0.46
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2048	**Date:**	02-04-2014 11:43	**GPS:**	51.568170,-2.921801

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.29

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	459	**Date:**	23-04-2014 15:04	**GPS:**	51.566420,-2.937113

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	204	**Date:**	24-04-2014 13:16	**GPS:**	51.551027,-3.006448

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	992	**Date:**	24-04-2014 13:19	**GPS:**	51.550808,-3.008506

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	778	**Date:**	02-04-2014 16:27	**GPS:**	51.564591,-2.878571

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	456	**Date:**	23-04-2014 15:15	**GPS:**	51.564831,-2.938123

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1132	**Date:**	02-04-2014 16:51	**GPS:**	51.567772,-2.886712

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1000	**Pond Area Score**	0.95
Pond Density	1.5913	**Pond Density Score**	0.44
Number of Ponds		5	

HSI Scores	
Pond HSI Score	0.48
Larger Pond HSI Score	0.45
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	221	**Date:**	24-04-2014 10:02	**GPS:**	51.551197,-3.009250

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	186	**Date:**	24-04-2014 11:30	**GPS:**	51.553249,-3.006052

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	194	**Date:**	24-04-2014 10:45	**GPS:**	51.552820,-3.008615

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	457	**Date:**	23-04-2014 14:58	**GPS:**	51.565687,-2.937598

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	458	**Date:**	23-04-2014 14:59	**GPS:**	51.565638,-2.936588

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1130	**Date:**	03-04-2014 10:44	**GPS:**	51.564661,-2.889686

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.25

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1088	**Date:**	02-04-2014 11:33	**GPS:**	51.566835,-2.919287

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.25

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	223	**Date:**	24-04-2014 10:54	**GPS:**	51.552218,-3.006850

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	231

Date:	24-04-2014 14:30	**GPS:**	51.549066,-3.012869

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1250	**Date:**	03-04-2014 12:23	**GPS:**	51.565677,-2.891958

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1291	**Date:**	02-04-2014 11:23	**GPS:**	51.568003,-2.921267

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1216	**Date:**	02-04-2014 16:45	**GPS:**	51.565455,-2.887565

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	0.01	**Fowl Score**	0.01
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	316	**Date:**	24-04-2014 12:20	**GPS:**	51.554291,-3.000442

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	196	**Date:**	24-04-2014 11:02	**GPS:**	51.552280,-3.006477

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	222	**Date:**	24-04-2014 10:08	**GPS:**	51.551803,-3.009192

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1356	**Date:**	02-04-2014 14:53	**GPS:**	51.569794,-2.877001

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1000	**Pond Area Score**	0.95
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.49
Larger Pond HSI Score	0.45
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	179	**Date:**	24-04-2014 11:43	**GPS:**	51.554135,-3.003996

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	325	**Date:**	24-04-2014 12:36	**GPS:**	51.554448,-2.998000

Waterbody Type	

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	178	**Date:**	24-04-2014 11:55	**GPS:**	51.553030,-3.003076

Waterbody Type	

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	455	**Date:**	23-04-2014 14:52	**GPS:**	51.565032,-2.938037

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1200	**Date:**	02-04-2014 14:39	**GPS:**	51.570090,-2.884851

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1241	**Date:**	03-04-2014 11:21	**GPS:**	51.563970,-2.886813

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.32

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	224	**Date:**	24-04-2014 11:01	**GPS:**	51.552177,-3.006637

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1074	**Date:**	02-04-2014 16:08	**GPS:**	51.566406,-2.881669

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	797	**Date:**	02-04-2014 12:36	**GPS:**	51.570723,-2.928684

Waterbody Type	

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1257	**Date:**	03-04-2014 12:00	**GPS:**	51.565400,-2.890936

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	837	**Date:**	23-04-2014 13:34	**GPS:**	51.561191,-2.944665

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	795
Waterbody Type	Reen

Date:	02-04-2014 12:44	**GPS:**	51.571931,-2.929612

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	516	**Date:**	02-04-2014 12:33	**GPS:**	51.570132,-2.928386

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1170	**Date:**	01-05-2014 12:27	**GPS:**	51.565924,-2.883062

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1129	**Date:**	01-05-2014 12:27	**GPS:**	51.565938,-2.883168

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1144	**Date:**	01-05-2014 12:22	**GPS:**	51.566313,-2.881743

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.33

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1187	**Date:**	01-05-2014 12:15	**GPS:**	51.566825,-2.880146

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1142	**Date:**	01-05-2014 11:46	**GPS:**	51.565745,-2.875489

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1222	**Date:**	01-05-2014 12:31	**GPS:**	51.566259,-2.883367

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1145	**Date:**	01-05-2014 11:32	**GPS:**	51.567310,-2.872271

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1235	**Date:**	01-05-2014 12:53	**GPS:**	51.564199,-2.886390

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1131	**Date:**	01-05-2014 12:29	**GPS:**	51.566100,-2.883202

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1225	**Date:**	01-05-2014 12:32	**GPS:**	51.566113,-2.883317

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1242	**Date:**	01-05-2014 12:48	**GPS:**	51.565029,-2.887072

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.27

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	761	**Date:**	01-05-2014 11:42	**GPS:**	51.567024,-2.873442

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1359	**Date:**	01-05-2014 12:06	**GPS:**	51.565651,-2.878258

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.33

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1125	**Date:**	01-05-2014 12:30	**GPS:**	51.566182,-2.883418

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.28

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1191	**Date:**	01-05-2014 12:45	**GPS:**	51.564753,-2.886799

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1211	**Date:**	01-05-2014 12:46	**GPS:**	51.564816,-2.886967

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1127	**Date:**	01-05-2014 12:25	**GPS:**	51.565892,-2.882935

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1350	**Date:**	01-05-2014 11:12	**GPS:**	51.564830,-2.876116

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.01	**Fowl Score**	0.01
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1128	**Date:**	01-05-2014 13:00	**GPS:**	51.563419,-2.885584

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1212	**Date:**	01-05-2014 13:00	**GPS:**	51.563355,-2.885619

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	136	**Date:**	08-05-2014 11:12	**GPS:**	51.552627,-3.016644

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2024	**Date:**	07-05-2014 11:57	**GPS:**	51.542534,-3.048887

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	134	**Date:**	08-05-2014 11:27	**GPS:**	51.552873,-3.018056

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	259	**Date:**	07-05-2014 13:54	**GPS:**	51.548356,-3.019174

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	22	**Date:**	07-05-2014 10:00	**GPS:**	51.546262,-3.050662

Waterbody Type	Pond

Pond Scores			
Pond Area m²	450	**Pond Area Score**	0.9
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.72
Larger Pond HSI Score	0.71
Reen HSI Score	0.66

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Golf course pond

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	134	**Date:**	08-05-2014 11:17	**GPS:**	51.552914,-3.017657

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2103	**Date:**	07-05-2014 14:18	**GPS:**	51.551343,-3.017520

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	14	**Date:**	07-05-2014 11:24	**GPS:**	51.544596,-3.054254

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2023	**Date:**	07-05-2014 11:54	**GPS:**	51.542302,-3.050509

Waterbody Type	Pond

Pond Scores			
Pond Area m²	350	**Pond Area Score**	0.7
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.77
Larger Pond HSI Score	0.77
Reen HSI Score	0.74

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	132	**Date:**	08-05-2014 11:31	**GPS:**	51.552228,-3.019619

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2029	**Date:**	07-05-2014 11:25	**GPS:**	51.544629,-3.054297

Waterbody Type	Pond

Pond Scores			
Pond Area m²	400	**Pond Area Score**	0.8
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.61
Larger Pond HSI Score	0.59
Reen HSI Score	0.77

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2040	**Date:**	07-05-2014 11:39	**GPS:**	51.542472,-3.055776

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	254	**Date:**	07-05-2014 13:43	**GPS:**	51.550496,-3.014385

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	27	**Date:**	07-05-2014 11:12	**GPS:**	51.546763,-3.053380

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	127	**Date:**	07-05-2014 14:05	**GPS:**	51.550448,-3.017431

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	740	**Date:**	07-05-2014 10:17	**GPS:**	51.544517,-3.048296

Waterbody Type	Pond

Pond Scores			
Pond Area m²	500	**Pond Area Score**	1
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.82
Larger Pond HSI Score	0.81
Reen HSI Score	0.78

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Overgrown with rushes

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	125	**Date:**	08-05-2014 10:38	**GPS:**	51.550072,-3.019369

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	125	**Date:**	08-05-2014 10:43	**GPS:**	51.550310,-3.019712

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	23	**Date:**	08-05-2014 10:13	**GPS:**	51.550960,-3.023139

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2012	**Date:**	07-05-2014 14:34	**GPS:**	51.553652,-3.014504

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	14	**Date:**	07-05-2014 10:30	**GPS:**	51.545126,-3.052144

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	33	**Date:**	08-05-2014 11:41	**GPS:**	51.551425,-3.021949

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	129

Date:	08-05-2014 10:59	**GPS:**	51.551310,-3.017970

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	23	**Date:**	07-05-2014 10:03	**GPS:**	51.546214,-3.050435

Waterbody Type	Pond

Pond Scores			
Pond Area m²	800	**Pond Area Score**	0.98
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.8
Larger Pond HSI Score	0.78
Reen HSI Score	0.8

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2025	**Date:**	07-05-2014 11:30	**GPS:**	51.542434,-3.055816

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1000	**Pond Area Score**	0.95
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.73
Larger Pond HSI Score	0.71
Reen HSI Score	0.7

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2103	**Date:**	08-05-2014 11:07	**GPS:**	51.551607,-3.017184

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	121	**Date:**	08-05-2014 10:25	**GPS:**	51.548531,-3.020692

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2104	**Date:**	07-05-2014 14:23	**GPS:**	51.552022,-3.016004

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	127	**Date:**	07-05-2014 14:12	**GPS:**	51.550869,-3.017281

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1383	**Date:**	07-05-2014 10:35	**GPS:**	51.545350,-3.052256

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2026	**Date:**	07-05-2014 12:07	**GPS:**	51.543031,-3.050675

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	18	**Date:**	07-05-2014 10:39	**GPS:**	51.546315,-3.051887

Waterbody Type	Pond

Pond Scores			
Pond Area m²	500	**Pond Area Score**	1
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.77
Larger Pond HSI Score	0.75
Reen HSI Score	0.76

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	255	**Date:**	07-05-2014 13:48	**GPS:**	51.549805,-3.016041

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1000	**Date:**	22-05-2014 10:49	**GPS:**	51.513763,-3.083855

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.81

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	2	**Date:**	12-05-2014 12:39	**GPS:**	51.765405,-3.391727

Waterbody Type	Pond

Pond Scores			
Pond Area m²	100	**Pond Area Score**	0.2
Pond Density	0.6365	**Pond Density Score**	0.22
Number of Ponds		2	

HSI Scores	
Pond HSI Score	0.54
Larger Pond HSI Score	0.6
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Access difficult due to steep banks and bramble. Rubbish dumped in pond.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	172	**Date:**	12-06-2014 11:32	**GPS:**	51.556718,-3.003748

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2000

Date:	11-06-2014 10:39	GPS:	51.552176,-3.088103

Waterbody Type	Pond

Pond Scores			
Pond Area m²	0	Pond Area Score	0
Pond Density	0	Pond Density Score	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0
Larger Pond HSI Score	0.3
Reen HSI Score	0.31

Scores			
Location Zone	0.5	Location Score	0.5
Drying	0.5	Drying Score	0.5
Water Quality	0.01	Water Quality Score	0.01
Shade	1	Shade Score	1
Fowl	1	Fowl Score	1
Fish	1	Fish Score	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	Habitat Score	0.33
Macrophyte Cover Percentage	0.3	Macrophyte Score	0.3

Notes:	Pond located at arable field edge. Receives road runoff and has no pond vegetation present. Overall suboptimal.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	993	**Date:**	11-06-2014 15:58	**GPS:**	51.559367,-3.006659

Waterbody Type	

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	164	**Date:**	12-06-2014 12:24	**GPS:**	51.557349,-3.005957

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	167	**Date:**	12-06-2014 12:18	**GPS:**	51.556697,-3.005306

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	162	**Date:**	11-06-2014 15:42	**GPS:**	51.558223,-3.006217

Waterbody Type	

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	164	**Date:**	11-06-2014 15:17	**GPS:**	51.557986,-3.006207

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1033	**Date:**	11-06-2014 16:29	**GPS:**	51.560916,-3.005535

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	160	**Date:**	11-06-2014 15:54	**GPS:**	51.558766,-3.006180

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	163	**Date:**	12-06-2014 12:09	**GPS:**	51.556869,-3.005034

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	167	**Date:**	11-06-2014 14:48	**GPS:**	51.556711,-3.005647

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	171	**Date:**	12-06-2014 11:11	**GPS:**	51.556411,-3.000389

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	161

Date:	12-06-2014 13:08	GPS:	51.559512,-3.005162

Waterbody Type	

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	Location Score	0.5
Drying	0.9	Drying Score	0.9
Water Quality	0.67	Water Quality Score	0.67
Shade	1	Shade Score	1
Fowl	1	Fowl Score	1
Fish	1	Fish Score	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	Habitat Score	0.33
Macrophyte Cover Percentage	0.3	Macrophyte Score	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	169	**Date:**	12-06-2014 11:27	**GPS:**	51.556273,-3.002979

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	301	**Date:**	17-06-2014 12:24	**GPS:**	51.542295,-3.024475

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.43

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	303	**Date:**	17-06-2014 11:34	**GPS:**	51.542569,-3.023796

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.33

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	304	**Date:**	17-06-2014 11:25	**GPS:**	51.542886,-3.022534

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	302	**Date:**	17-06-2014 12:16	**GPS:**	51.542606,-3.024893

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.23

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	297	**Date:**	17-06-2014 11:52	**GPS:**	51.544520,-3.026620

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	299	**Date:**	17-06-2014 12:01	**GPS:**	51.543451,-3.027978

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	298	**Date:**	17-06-2014 11:50	**GPS:**	51.544405,-3.026518

Waterbody Type	

HSI Scores	
Reen HSI Score	0.3

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	300	**Date:**	17-06-2014 11:42	**GPS:**	51.543572,-3.026166

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.3

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	273	**Date:**	02-07-2014 14:06	**GPS:**	51.545002,-3.016542

Waterbody Type	

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	281	**Date:**	02-07-2014 15:45	**GPS:**	51.542617,-3.017741

Waterbody Type	

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	866	**Date:**	02-07-2014 13:53	**GPS:**	51.544698,-3.016419

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	267	**Date:**	02-07-2014 14:49	**GPS:**	51.546473,-3.017917

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Reed choked

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	268	**Date:**	02-07-2014 14:54	**GPS:**	51.546608,-3.018827

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Reed choked

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	293	**Date:**	02-07-2014 11:14	**GPS:**	51.544431,-3.022379

Waterbody Type	

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	294	**Date:**	02-07-2014 11:26	**GPS:**	51.545463,-3.021375

Waterbody Type	

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	269	**Date:**	02-07-2014 14:44	**GPS:**	51.545333,-3.020141

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	272	**Date:**	02-07-2014 14:11	**GPS:**	51.546066,-3.017228

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	278	**Date:**	02-07-2014 16:03	**GPS:**	51.543932,-3.016927

Waterbody Type	

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	271	**Date:**	02-07-2014 14:14	**GPS:**	51.546134,-3.017368

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	292	**Date:**	02-07-2014 10:54	**GPS:**	51.543633,-3.022093

Waterbody Type	

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	282	**Date:**	02-07-2014 13:34	**GPS:**	51.542840,-3.019947

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	279	**Date:**	02-07-2014 15:56	**GPS:**	51.542557,-3.016778

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.22

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	276	**Date:**	02-07-2014 16:28	**GPS:**	51.543029,-3.014380

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Reed choked this onLy Macrophytes

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1366	**Date:**	02-07-2014 15:36	**GPS:**	51.542417,-3.019330

Waterbody Type	

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1367	**Date:**	02-07-2014 15:03	**GPS:**	51.547040,-3.021080

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	277	**Date:**	02-07-2014 13:42	**GPS:**	51.543876,-3.018436

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	270	**Date:**	02-07-2014 13:41	**GPS:**	51.544614,-3.019807

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	In same line as 283. Poor semi improved grassland, reen covered by pond weed. Hard rush, umbels

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	283	**Date:**	02-07-2014 11:22	**GPS:**	51.545190,-3.021392

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Overgrown drying reen, Phragmites, umbels,

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	284	**Date:**	02-07-2014 11:32	**GPS:**	51.544620,-3.020041

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Overgrown by Phragmites, oak tree scattered along reen, duckweed on surface, bullrush, lillies

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	232	**Date:**	04-07-2014 12:06	**GPS:**	51.548085,-3.011775

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	1	**Location Score**	1
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Dry through ,most of ditch

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	260	**Date:**	04-07-2014 09:55	**GPS:**	51.548193,-3.018691

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.81

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Azolla present

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	235	**Date:**	04-07-2014 12:51	**GPS:**	51.548672,-3.009901

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	248	**Date:**	04-07-2014 12:04	**GPS:**	51.548099,-3.011755

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.36

Scores			
Location Zone	1	**Location Score**	1
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Fools water-cress

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	246	**Date:**	04-07-2014 11:32	**GPS:**	51.547246,-3.012732

Waterbody Type	

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	257	**Date:**	04-07-2014 14:46	**GPS:**	51.548416,-3.015813

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Densely vegetated by reeds

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	261	**Date:**	04-07-2014 11:17	**GPS:**	51.546330,-3.013566

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	258	**Date:**	04-07-2014 10:46	**GPS:**	51.547793,-3.016498

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	218	**Date:**	04-07-2014 12:55	**GPS:**	51.548730,-3.009719

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.21

Scores			
Location Zone	1	**Location Score**	1
Drying	0.1	**Drying Score**	0.1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	249	**Date:**	04-07-2014 13:50	**GPS:**	51.548920,-3.013492

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	247	**Date:**	04-07-2014 11:42	**GPS:**	51.548145,-3.011773

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	266	**Date:**	04-07-2014 10:44	**GPS:**	51.547769,-3.016484

Waterbody Type	

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	112	**Date:**	04-07-2014 09:27	**GPS:**	51.547420,-3.020395

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	1	**Location Score**	1
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade	0.2	**Shade Score**	0.2
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	Unsuitable - Enclosed by scrub and hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	14

Date:	24-07-2014 15:28	GPS:	51.544547,-3.056288

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	Location Score	0.5
Drying	0.9	Drying Score	0.9
Water Quality	1	Water Quality Score	1
Shade	0.5	Shade Score	0.5
Fowl	0.67	Fowl Score	0.67
Fish	0.67	Fish Score	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	Habitat Score	1
Macrophyte Cover Percentage	1	Macrophyte Score	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	9	**Date:**	24-07-2014 13:40	**GPS:**	51.546672,-3.058527

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	11

Date:	24-07-2014 13:25	GPS:	51.546308,-3.057853

Waterbody Type	Pond

Pond Scores			
Pond Area m²	500	Pond Area Score	1
Pond Density	0.3183	Pond Density Score	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.57
Larger Pond HSI Score	0.54
Reen HSI Score	0.63

Scores			
Location Zone	0.5	Location Score	0.5
Drying	0.5	Drying Score	0.5
Water Quality	0.67	Water Quality Score	0.67
Shade	1	Shade Score	1
Fowl	0.67	Fowl Score	0.67
Fish	0.67	Fish Score	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	Habitat Score	0.67
Macrophyte Cover Percentage	0.5	Macrophyte Score	0.5

Notes:	Dragonfly and damsel fly spp

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	15	**Date:**	24-07-2014 15:41	**GPS:**	51.544802,-3.054612

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	17	**Date:**	24-07-2014 16:22	**GPS:**	51.545609,-3.052552

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	14	**Date:**	24-07-2014 15:04	**GPS:**	51.544559,-3.056299

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.81

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	12	**Date:**	24-07-2014 12:39	**GPS:**	51.545320,-3.057062

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Lots of dragonfly spp. Species on reen banks

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	14	**Date:**	24-07-2014 15:59	**GPS:**	51.544720,-3.054027

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2082	**Date:**	30-07-2014 16:10	**GPS:**	51.562251,-2.935454

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Dry

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2081	**Date:**	30-07-2014 15:39	**GPS:**	51.561082,-2.936439

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	462	**Date:**	30-07-2014 11:34	**GPS:**	51.564371,-2.938901

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	495	**Date:**	30-07-2014 15:30	**GPS:**	51.560786,-2.935231

Waterbody Type	

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	839	**Date:**	30-07-2014 11:58	**GPS:**	51.565991,-2.939145

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	495	**Date:**	30-07-2014 15:20	**GPS:**	51.560154,-2.936658

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	491	**Date:**	30-07-2014 15:54	**GPS:**	51.561823,-2.937514

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2087	**Date:**	30-07-2014 14:49	**GPS:**	51.563774,-2.936704

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone		**Location Score**	
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade		**Shade Score**	
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2063	**Date:**	31-07-2014 16:02	**GPS:**	51.569496,-2.928379

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2059	**Date:**	31-07-2014 11:58	**GPS:**	51.567897,-2.932890

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2066	**Date:**	31-07-2014 16:50	**GPS:**	51.568832,-2.930725

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2064	**Date:**	31-07-2014 12:30	**GPS:**	51.568387,-2.932910

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2085	**Date:**	30-07-2014 14:50	**GPS:**	51.565151,-2.935686

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2055	**Date:**	30-07-2014 15:58	**GPS:**	51.567235,-2.935139

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	454	**Date:**	30-07-2014 10:41	**GPS:**	51.563990,-2.938704

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	456	**Date:**	30-07-2014 11:44	**GPS:**	51.564785,-2.937213

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2067	**Date:**	31-07-2014 16:36	**GPS:**	51.567098,-2.929270

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2057	**Date:**	31-07-2014 11:48	**GPS:**	51.567802,-2.934556

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2065	**Date:**	31-07-2014 16:10	**GPS:**	51.568876,-2.930468

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2061	**Date:**	31-07-2014 12:34	**GPS:**	51.568725,-2.933045

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2058	**Date:**	30-07-2014 16:10	**GPS:**	51.567720,-2.934153

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2054	**Date:**	31-07-2014 12:20	**GPS:**	51.568202,-2.935082

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	455	**Date:**	30-07-2014 11:57	**GPS:**	51.565201,-2.937957

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	26	**Date:**	31-07-2014 14:58	**GPS:**	51.566111,-2.930544

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2068	**Date:**	31-07-2014 15:43	**GPS:**	51.567560,-2.927088

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	21	**Date:**	31-07-2014 12:06	**GPS:**	51.568261,-2.933198

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.26

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2056	**Date:**	30-07-2014 15:51	**GPS:**	51.566182,-2.934666

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2069	**Date:**	31-07-2014 15:20	**GPS:**	51.566572,-2.926272

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	457

Date:	30-07-2014 12:05	**GPS:**	51.565623,-2.937227

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2086	**Date:**	30-07-2014 15:42	**GPS:**	51.565475,-2.935265

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2089	**Date:**	30-07-2014 14:43	**GPS:**	51.565567,-2.937149

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2060	**Date:**	31-07-2014 12:58	**GPS:**	51.567798,-2.932636

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2088	**Date:**	30-07-2014 11:36	**GPS:**	51.563904,-2.937009

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2052	**Date:**	30-07-2014 12:38	**GPS:**	51.566787,-2.937526

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Julian's reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2053	**Date:**	30-07-2014 12:21	**GPS:**	51.566691,-2.937165

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2084	**Date:**	30-07-2014 14:54	**GPS:**	51.564705,-2.935968

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone		**Location Score**	
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade		**Shade Score**	
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2070	**Date:**	31-07-2014 15:27	**GPS:**	51.565762,-2.925777

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	27	**Date:**	31-07-2014 15:02	**GPS:**	51.565938,-2.930063

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	622	**Date:**	07-08-2014 10:40	**GPS:**	51.565640,-2.866983

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	556	**Date:**	06-08-2014 12:05	**GPS:**	51.562716,-2.895413

Waterbody Type	

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1124	**Date:**	06-08-2014 11:57	**GPS:**	51.563454,-2.895178

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	623	**Date:**	07-08-2014 11:10	**GPS:**	51.567217,-2.866591

Waterbody Type	

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	560	**Date:**	06-08-2014 11:00	**GPS:**	51.564810,-2.899679

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Some duckweed cover (80%)

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	971

Date:	06-08-2014 13:55	**GPS:**	51.571169,-2.861828

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	586	**Date:**	06-08-2014 14:38	**GPS:**	51.559547,-2.882946

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2095	**Date:**	06-08-2014 15:24	**GPS:**	51.559034,-2.881207

Waterbody Type	

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	616	**Date:**	07-08-2014 12:48	**GPS:**	51.564144,-2.866846

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Mac 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	612	**Date:**	07-08-2014 12:30	**GPS:**	51.566231,-2.868997

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	Mac cover 95

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	623	**Date:**	07-08-2014 11:06	**GPS:**	51.567188,-2.866681

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.27
Larger Pond HSI Score	0.32
Reen HSI Score	0.3

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	563	**Date:**	06-08-2014 10:36	**GPS:**	51.564826,-2.904188

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Duckweed

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	639	**Date:**	06-08-2014 14:07	**GPS:**	51.570751,-2.860860

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Sluiced

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	983	**Date:**	07-08-2014 14:01	**GPS:**	51.564093,-2.863180

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Mac 100 Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	617	**Date:**	07-08-2014 12:52	**GPS:**	51.564189,-2.867043

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Mac cover >80 (flailed)

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	558	**Date:**	06-08-2014 11:50	**GPS:**	51.562916,-2.897038

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	90% mac cover not 60

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	611	**Date:**	07-08-2014 12:33	**GPS:**	51.566181,-2.869149

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	619	**Date:**	07-08-2014 12:42	**GPS:**	51.563694,-2.866537

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1082	**Date:**	06-08-2014 11:27	**GPS:**	51.564447,-2.896193

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	565	**Date:**	06-08-2014 10:30	**GPS:**	51.564709,-2.904598

Waterbody Type	

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	983	**Date:**	07-08-2014 14:18	**GPS:**	51.563190,-2.862281

Waterbody Type	Pond

Pond Scores			
Pond Area m²	0	**Pond Area Score**	0
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0
Larger Pond HSI Score	0.57
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Cattle water vessel

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	618	**Date:**	07-08-2014 12:46	**GPS:**	51.563991,-2.866655

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Along hedges

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2098	**Date:**	06-08-2014 15:08	**GPS:**	51.560501,-2.881156

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Mac cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	618	**Date:**	07-08-2014 13:14	**GPS:**	51.564094,-2.866261

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Watervole

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1351	**Date:**	07-08-2014 10:17	**GPS:**	51.566091,-2.866301

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Within trees/hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	565	**Date:**	06-08-2014 10:27	**GPS:**	51.564738,-2.904491

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Covered in duckweed

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	937	**Date:**	07-08-2014 13:30	**GPS:**	51.563731,-2.866253

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Mac 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	613	**Date:**	07-08-2014 13:02	**GPS:**	51.564672,-2.867903

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Recently cleared and risings burned nearby

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	937	**Date:**	07-08-2014 13:37	**GPS:**	51.563344,-2.865930

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Mac 90

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	617	**Date:**	07-08-2014 12:54	**GPS:**	51.564621,-2.867524

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Recently flailed

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2097	**Date:**	06-08-2014 15:04	**GPS:**	51.560513,-2.881579

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	90% mac cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2096	**Date:**	06-08-2014 15:15	**GPS:**	51.560544,-2.881358

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	Poaching by cattle

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2094	**Date:**	06-08-2014 14:42	**GPS:**	51.559492,-2.882059

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	432	**Date:**	31-07-2014 15:41	**GPS:**	51.561035,-2.947113

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	573	**Date:**	31-07-2014 14:41	**GPS:**	51.563334,-2.910670

Waterbody Type	

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	901	**Date:**	07-08-2014 14:08	**GPS:**	51.563011,-2.864864

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Mac cover 90

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	576	**Date:**	31-07-2014 14:41	**GPS:**	51.563333,-2.910801

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	621	**Date:**	07-08-2014 11:08	**GPS:**	51.567178,-2.866564

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Culverted section

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	636	**Date:**	07-08-2014 14:52	**GPS:**	51.575537,-2.849734

Waterbody Type	

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	975	**Date:**	07-08-2014 13:53	**GPS:**	51.564085,-2.865222

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2092	**Date:**	06-08-2014 11:21	**GPS:**	51.564596,-2.896695

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Within hedges

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	614	**Date:**	07-08-2014 12:59	**GPS:**	51.563826,-2.867123

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Mac more than 80, within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	713	**Date:**	07-08-2014 11:38	**GPS:**	51.576560,-2.787305

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.24

Scores			
Location Zone	1	**Location Score**	1
Drying	0.1	**Drying Score**	0.1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Overgrown hedge to each side. V occ bull rush and Salix sp.

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	663	**Date:**	07-08-2014 13:37	**GPS:**	51.576396,-2.841167

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	712	**Date:**	07-08-2014 11:02	**GPS:**	51.581320,-2.791622

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	884	**Date:**	07-08-2014 13:41	**GPS:**	51.575714,-2.841467

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	713	**Date:**	07-08-2014 11:44	**GPS:**	51.577973,-2.788349

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Wetter section from north of gps. Bull rushes for long section ,

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2047	**Date:**	28-08-2014 12:37	**GPS:**	51.573269,-2.933321

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2046	**Date:**	28-08-2014 12:48	**GPS:**	51.572852,-2.933716

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	797	**Date:**	28-08-2014 13:36	**GPS:**	51.569390,-2.933025

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	More of a drainage line than a reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	794	**Date:**	28-08-2014 13:56	**GPS:**	51.569787,-2.933193

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2051	**Date:**	28-08-2014 15:57	**GPS:**	51.569546,-2.935543

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	795	**Date:**	28-08-2014 13:06	**GPS:**	51.570887,-2.933487

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	797	**Date:**	28-08-2014 13:45	**GPS:**	51.570671,-2.928918

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2062	**Date:**	28-08-2014 13:26	**GPS:**	51.570672,-2.933528

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2050	**Date:**	28-08-2014 15:49	**GPS:**	51.570224,-2.935932

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Grey heron feeding on side, common reed, spear thistle, hawthorn, bramble, alder, hard rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2049	**Date:**	28-08-2014 12:59	**GPS:**	51.570708,-2.935210

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2048	**Date:**	28-08-2014 12:52	**GPS:**	51.571387,-2.934779

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1318	**Date:**	28-08-2014 12:20	**GPS:**	51.572989,-2.934876

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2013	**Date:**	28-08-2014 12:06	**GPS:**	51.573199,-2.936596

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	14	**Date:**	22-08-2014 16:59	**GPS:**	51.544989,-3.052210

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Less of a reen, more of a ditch running alongside hedgerow 8

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	31	**Date:**	22-08-2014 15:41	**GPS:**	51.543138,-3.054776

Waterbody Type	Pond

Pond Scores			
Pond Area m²	250	**Pond Area Score**	0.5
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.36
Larger Pond HSI Score	0.35
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.01	**Fowl Score**	0.01
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	26	**Date:**	22-08-2014 16:41	**GPS:**	51.543921,-3.053774

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Reen passes through woodland block

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	31	**Date:**	22-08-2014 15:34	**GPS:**	51.543760,-3.055469

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	1	**Water Quality Score**	1
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2019	**Date:**	22-08-2014 16:06	**GPS:**	51.542279,-3.052836

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2017	**Date:**	22-08-2014 15:51	**GPS:**	51.541958,-3.053392

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Two sections split by walkway for golfers.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	26	**Date:**	22-08-2014 16:33	**GPS:**	51.543382,-3.053578

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.01	**Fowl Score**	0.01
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Reen split by walkway for golfers

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2018	**Date:**	22-08-2014 16:03	**GPS:**	51.542183,-3.052846

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2028	**Date:**	22-08-2014 12:04	**GPS:**	51.543972,-3.057067

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	28

Date:	22-08-2014 12:20	GPS:	51.543309,-3.057242

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	Location Score	0.5
Drying	1.0	Drying Score	1
Water Quality	1	Water Quality Score	1
Shade	1	Shade Score	1
Fowl	0.67	Fowl Score	0.67
Fish	0.33	Fish Score	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	Habitat Score	1
Macrophyte Cover Percentage	0.5	Macrophyte Score	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	25	**Date:**	22-08-2014 17:04	**GPS:**	51.545042,-3.052097

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	29	**Date:**	22-08-2014 11:29	**GPS:**	51.544502,-3.056561

Waterbody Type	Pond

Pond Scores			
Pond Area m²	150	**Pond Area Score**	0.3
Pond Density	0.6365	**Pond Density Score**	0.22
Number of Ponds		2	

HSI Scores	
Pond HSI Score	0.34
Larger Pond HSI Score	0.35
Reen HSI Score	0.34

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2016	**Date:**	22-08-2014 12:47	**GPS:**	51.541702,-3.053861

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2021	**Date:**	29-08-2014 10:53	**GPS:**	51.542618,-3.051347

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	740	**Date:**	29-08-2014 12:26	**GPS:**	51.544573,-3.048455

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.41
Larger Pond HSI Score	0.52
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Man made

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	21	**Date:**	29-08-2014 13:24	**GPS:**	51.546130,-3.051078

Waterbody Type	Pond

Pond Scores			
Pond Area m²	100	**Pond Area Score**	0.2
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.5
Larger Pond HSI Score	0.55
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2015	**Date:**	29-08-2014 10:41	**GPS:**	51.543136,-3.052010

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	20	**Date:**	29-08-2014 13:34	**GPS:**	51.546417,-3.051937

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	25	**Date:**	29-08-2014 11:15	**GPS:**	51.543888,-3.051413

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.22

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	740	**Date:**	29-08-2014 12:00	**GPS:**	51.544965,-3.049464

Waterbody Type	Pond

Pond Scores			
Pond Area m²	100	**Pond Area Score**	0.2
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.51
Larger Pond HSI Score	0.57
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	822	**Date:**	29-08-2014 11:38	**GPS:**	51.543170,-3.049492

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2027	**Date:**	29-08-2014 11:13	**GPS:**	51.543170,-3.050743

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2020	**Date:**	29-08-2014 10:46	**GPS:**	51.542343,-3.052184

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2022	**Date:**	29-08-2014 11:06	**GPS:**	51.542696,-3.050898

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	39	**Date:**	29-08-2014 12:06	**GPS:**	51.543372,-3.047244

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.38

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1383	**Date:**	29-08-2014 13:20	**GPS:**	51.545384,-3.052189

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	794	**Date:**	28-08-2014 13:49	**GPS:**	51.571275,-2.929400

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	794	**Date:**	28-08-2014 13:37	**GPS:**	51.570113,-2.933098

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	796

Date:	28-08-2014 15:43	**GPS:**	51.568402,-2.932469

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	516	**Date:**	28-08-2014 15:54	**GPS:**	51.569620,-2.928153

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.79

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	516	**Date:**	28-08-2014 13:04	**GPS:**	51.572227,-2.930065

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	795	**Date:**	28-08-2014 13:09	**GPS:**	51.571930,-2.929972

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	684	**Date:**	28-08-2014 12:41	**GPS:**	51.573382,-2.933269

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2014	**Date:**	28-08-2014 16:06	**GPS:**	51.568604,-2.932692

Waterbody Type	

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	684	**Date:**	28-08-2014 12:10	**GPS:**	51.573445,-2.936588

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2100	**Date:**	13-08-2014 16:58	**GPS:**	51.541432,-3.091555

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.49
Larger Pond HSI Score	0.64
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Mac cover 80

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2041	**Date:**	13-08-2014 15:13	**GPS:**	51.548542,-3.086248

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Within woodland section, some poaching

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2099	**Date:**	13-08-2014 17:10	**GPS:**	51.542540,-3.090577

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Along hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2042	**Date:**	13-08-2014 15:42	**GPS:**	51.548585,-3.090597

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Field grazed

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2079	**Date:**	22-08-2014 15:59	**GPS:**	51.562021,-2.933256

Waterbody Type	

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2072	**Date:**	22-08-2014 15:12	**GPS:**	51.559605,-2.931027

Waterbody Type	

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	552	**Date:**	22-08-2014 11:49	**GPS:**	51.559036,-2.897674

Waterbody Type	

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	Mac cover 95%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2076	**Date:**	22-08-2014 15:36	**GPS:**	51.560379,-2.932756

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	549	**Date:**	22-08-2014 09:58	**GPS:**	51.561089,-2.895428

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	549	**Date:**	22-08-2014 10:20	**GPS:**	51.559490,-2.899771

Waterbody Type	

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2074	**Date:**	22-08-2014 15:26	**GPS:**	51.559841,-2.931163

Waterbody Type	

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2077	**Date:**	22-08-2014 15:43	**GPS:**	51.560643,-2.932919

Waterbody Type	

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Duckweed 100% cover; within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2073	**Date:**	22-08-2014 15:10	**GPS:**	51.559613,-2.931020

Waterbody Type	

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Duckweed to south 100%, clear patches

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2078	**Date:**	22-08-2014 15:54	**GPS:**	51.561471,-2.932498

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Duckweed cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2080	**Date:**	22-08-2014 16:10	**GPS:**	51.560733,-2.934397

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Duckweed 100% cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2075	**Date:**	22-08-2014 15:33	**GPS:**	51.559977,-2.932456

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	555	**Date:**	22-08-2014 09:52	**GPS:**	51.561291,-2.895339

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	495	**Date:**	22-08-2014 16:03	**GPS:**	51.562041,-2.934091

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Duckweed cover 60%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	547	**Date:**	22-08-2014 12:01	**GPS:**	51.558858,-2.896646

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	100% duckweed to east clear to west

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	557	**Date:**	22-08-2014 10:37	**GPS:**	51.560127,-2.900597

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Duckweed 90%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	744	**Date:**	15-08-2014 13:14	**GPS:**	51.569898,-2.855075

Waterbody Type	

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	810	**Date:**	15-08-2014 11:51	**GPS:**	51.569448,-2.857869

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	911	**Date:**	15-08-2014 14:22	**GPS:**	51.569098,-2.848724

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	903	**Date:**	15-08-2014 12:05	**GPS:**	51.567645,-2.855629

Waterbody Type	

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	984	**Date:**	15-08-2014 12:19	**GPS:**	51.568037,-2.855335

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Within hedge, multiple trackways into reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2101	**Date:**	15-08-2014 14:29	**GPS:**	51.568722,-2.846554

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	952	**Date:**	15-08-2014 14:34	**GPS:**	51.570181,-2.845008

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	910	**Date:**	15-08-2014 13:24	**GPS:**	51.568461,-2.853898

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	25-09-2014 15:03	**GPS:**	51.550822,-3.020803

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	135

Date:	25-09-2014 13:05

GPS:	51.553584,-3.016917

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	129	**Date:**	25-09-2014 13:51	**GPS:**	51.552021,-3.018598

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	133	**Date:**	25-09-2014 15:20	**GPS:**	51.553653,-3.019728

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	134

Date:	25-09-2014 14:09	**GPS:**	51.552080,-3.019721

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	136	**Date:**	25-09-2014 13:12	**GPS:**	51.552929,-3.017015

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	132	**Date:**	25-09-2014 15:08	**GPS:**	51.552406,-3.019935

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	134	**Date:**	25-09-2014 13:41	**GPS:**	51.552995,-3.017641

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	118	**Date:**	25-09-2014 14:52	**GPS:**	51.549741,-3.022242

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	121	**Date:**	25-09-2014 14:26	**GPS:**	51.550075,-3.019970

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Duckweed cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	93	**Date:**	25-09-2014 14:59	**GPS:**	51.551651,-3.022275

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	128	**Date:**	25-09-2014 14:01	**GPS:**	51.551124,-3.018092

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	25-09-2014 15:10	**GPS:**	51.551417,-3.021878

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	122	**Date:**	25-09-2014 14:13	**GPS:**	51.550329,-3.019843

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	100%duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	120	**Date:**	25-09-2014 14:41	**GPS:**	51.548870,-3.021352

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	142	**Date:**	25-09-2014 13:02	**GPS:**	51.553861,-3.015432

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Poss water vole "plop" heard

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	137	**Date:**	25-09-2014 13:13	**GPS:**	51.553507,-3.015072

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	25-09-2014 15:02	**GPS:**	51.551655,-3.022328

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Duckweed 90% cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	122	**Date:**	25-09-2014 14:10	**GPS:**	51.550416,-3.019907

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Duckweed cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	117	**Date:**	25-09-2014 14:51	**GPS:**	51.550133,-3.022560

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	449	**Date:**	09-10-2014 15:18	**GPS:**	51.559128,-2.941535

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Macrophytes cover is duckweed Take photo from reen survey

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	500	**Date:**	09-10-2014 15:14	**GPS:**	51.559128,-2.941535

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Macrophytes cover is mainly duck weed Photo in watervole survey

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	450	**Date:**	09-10-2014 14:52	**GPS:**	51.559956,-2.943201

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Field ditch, double hedged with some open areas where bank has been poached. Some sections of ditch dry, others hold water of approx 1m. Some sections open water, others covered in Lemna. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	996	**Date:**	09-10-2014 16:36	**GPS:**	51.558789,-2.944654

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Livestock grazing adjacent to reen. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	448	**Date:**	09-10-2014 10:25	**GPS:**	51.561073,-2.942885

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Double hedged ditch. Surveyed by Angharad Owen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	499	**Date:**	09-10-2014 15:03	**GPS:**	51.559592,-2.941116

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Double hedged field ditch. Water in ditch approx 0.5m deep. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	425	**Date:**	13-10-2014 14:14	**GPS:**	51.557020,-2.946343

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Bullrush, Berula erecta, Alisma gramineum, Lemna sp.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	507	**Date:**	13-10-2014 11:51	**GPS:**	51.559050,-2.936363

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Ditch dries up adjacent to house, so only connects to 506.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	506	**Date:**	13-10-2014 11:08	**GPS:**	51.557368,-2.939226

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Berula erecta, reed sweet grass, Alisma gramineum, bull rush, Lemna sp. 80% cover of macrophyte cover.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	427	**Date:**	13-10-2014 14:44	**GPS:**	51.557600,-2.948717

Waterbody Type	

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality		**Water Quality Score**	
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Inaccessible in places due to overgrown hedgerow. Lemna smothering surface of water. Berula erecta, bullrush in channel.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	840	**Date:**	13-10-2014 14:05	**GPS:**	51.557645,-2.945618

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Section of ditch in woodland, and then adjacent to overgrown hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	504	**Date:**	13-10-2014 10:53	**GPS:**	51.558312,-2.940002

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Lemna covering ditch surface, sluggish water movement, poaching on edges.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	426	**Date:**	13-10-2014 14:33	**GPS:**	51.557050,-2.947068

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	Overgrown ditch, with crack willow shading the water body. Reed sweet grass, flote grass, bullrush, Phragmites.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	449	**Date:**	13-10-2014 13:38	**GPS:**	51.557926,-2.944961

Waterbody Type	

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	406	**Date:**	17-10-2014 15:38	**GPS:**	51.559568,-2.953070

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	To South of footpath. Angharad Owen surveyed. Two water bodies divided by gateway (not connected).

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	498

Date:	10-10-2014 15:12	GPS:	51.558511,-2.939910

Waterbody Type	

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	Location Score	0.5
Drying	0.9	Drying Score	0.9
Water Quality	0.67	Water Quality Score	0.67
Shade	0.4	Shade Score	0.4
Fowl	1	Fowl Score	1
Fish	0.67	Fish Score	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	Habitat Score	0.67
Macrophyte Cover Percentage	0.8	Macrophyte Score	0.8

Notes:	Lemna covers water surface. Heavily shaded by double hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6114	**Date:**	10-10-2014 12:18	**GPS:**	51.539758,-2.939481

Waterbody Type	

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Part of ditch is inaccessible due to dense vegetation including bramble, crack willow, ash. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	492	**Date:**	10-10-2014 11:37	**GPS:**	51.560982,-2.939906

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Surveyed by Angharad Owen & Nick Doyle. Sticklebacks in water. Ditch in small section of woodland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	505	**Date:**	10-10-2014 15:51	**GPS:**	51.559381,-2.937802

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.86

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Adult common frog found in ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	441	**Date:**	17-10-2014 15:42	**GPS:**	51.559296,-2.952576

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Fenced. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6100	**Date:**	17-10-2014 11:59	**GPS:**	51.557161,-2.952728

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Angharad Owen. Berula erecta, bullrush. Alisma plantago-aquatica.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6120	**Date:**	17-10-2014 14:20	**GPS:**	51.558667,-2.952576

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.91

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Field grip / ditch. Not connected to the ditch network. Bank vole latrines. 1 Common frog juvenile.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6100	**Date:**	17-10-2014 14:46	**GPS:**	51.557265,-2.952922

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Berula erecta, bullrush. Difficult to access water body due to dense vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	442	**Date:**	17-10-2014 15:24	**GPS:**	51.558924,-2.953589

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Overgrown in woodland / hedgerow. Difficult to assess.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6103	**Date:**	17-10-2014 15:08	**GPS:**	51.557825,-2.953988

Waterbody Type	

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Angharad Owen surveyed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1337	**Date:**	21-10-2014 13:59	**GPS:**	51.572305,-2.865596

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Steep sided ditch, scrub on one side, flanked by industrial units and a public foot path. Lack of safe access due to steep embankment. No hedgerow at this location.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	652	**Date:**	21-10-2014 11:53	**GPS:**	51.571130,-2.862401

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Wet ditch with steep bank, scrub and reeds adjacent to industrial units and B road (trucks)

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	956	**Date:**	21-10-2014 13:59	**GPS:**	51.572915,-2.864514

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Steep sided ditch, scrub on one side, flanked by industrial units and a public foot path. Lack of safe access due to steep embankment

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1342	**Date:**	21-10-2014 13:59	**GPS:**	51.570238,-2.867648

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Ditch with common reed and grasses on banks, industrial on one side, single carriageway road with pasture beyond.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	844	**Date:**	21-10-2014 11:53	**GPS:**	51.570987,-2.862325

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Wet ditch with steep bank, scrub and reeds adjacent to industrial units and Woodland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	974	**Date:**	21-10-2014 13:59	**GPS:**	51.572651,-2.864967

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Steep sided ditch, scrub on one side, flanked by industrial units and a public foot path. Lack of safe access due to steep embankment

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	842	**Date:**	21-10-2014 15:42	**GPS:**	51.573080,-2.862223

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Long mowed grassland trees and bank side vegetation, steep banks

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	429	**Date:**	13-10-2014 15:13	**GPS:**	51.556994,-2.951427

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Berula erecta, bullrush, water plantain. Some Lemna sp. overgrown hedge and scrub vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	841	**Date:**	13-10-2014 15:02	**GPS:**	51.556569,-2.950994

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Phragmites in ditch. Overgrown by unmanaged hedge over shading water. Hard to assess due to inaccessibility. Water plantain.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	428	**Date:**	13-10-2014 15:37	**GPS:**	51.558108,-2.950268

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Bullrush, water plantain, Berula erecta, Lemna sp.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	931	**Date:**	20-10-2014 11:44	**GPS:**	51.580512,-2.844021

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Difficult to assess as inaccessible as overgrown by hedge and brambles.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	319	**Date:**	21-10-2014 14:23	**GPS:**	51.551606,-2.998548

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	95% macrophyte cover. Steep banks. Mentha aquatica, Berula erecta, Phragmites, reed sweet grass, Lemna covering surface.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1001	**Date:**	21-10-2014 15:55	**GPS:**	51.548003,-2.998139

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Recently managed reen. Farmer told us that he had found newts in the sileage on the farm and put them back a foot away from the ditch, from his description they sounded like common species of newt.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	990	**Date:**	21-10-2014 16:15	**GPS:**	51.548446,-3.000803

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Recently managed bankside. Adjacent to working area. Berula erecta in ditch, bullrush. Farm worker told surveyors that newts had been found inside the sileage stored on a solid surface if concrete at the north-western end of this ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	645	**Date:**	22-10-2014 13:05	**GPS:**	51.574533,-2.854741

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	963	**Date:**	22-10-2014 12:48	**GPS:**	51.573735,-2.853883

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality		**Water Quality Score**	
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	6487	**Date:**	22-10-2014 10:45	**GPS:**	51.573633,-2.861378

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1500	**Pond Area Score**	0.88
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.37
Larger Pond HSI Score	0.34
Reen HSI Score	0.35

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Stocked fish pond

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	648	**Date:**	22-10-2014 12:20	**GPS:**	51.573285,-2.854919

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Little water 10cm

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	964	**Date:**	22-10-2014 12:48	**GPS:**	51.573735,-2.853883

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality		**Water Quality Score**	
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	642	**Date:**	22-10-2014 17:45	**GPS:**	51.574147,-2.852436

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Dense scrub and dense Macrophytes cover (bulrushes) where not shaded

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	552	**Date:**	22-08-2014 11:49	**GPS:**	51.559036,-2.897674

Waterbody Type	

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	Mac cover 95%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2076	**Date:**	22-08-2014 15:36	**GPS:**	51.560379,-2.932756

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	549	**Date:**	22-08-2014 09:58	**GPS:**	51.561089,-2.895428

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	549	**Date:**	22-08-2014 10:20	**GPS:**	51.559490,-2.899771

Waterbody Type	

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2074	**Date:**	22-08-2014 15:26	**GPS:**	51.559841,-2.931163

Waterbody Type	

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2077	**Date:**	22-08-2014 15:43	**GPS:**	51.560643,-2.932919

Waterbody Type	

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Duckweed 100% cover; within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2073	**Date:**	22-08-2014 15:10	**GPS:**	51.559613,-2.931020

Waterbody Type	

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Duckweed to south 100%, clear patches

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2078	**Date:**	22-08-2014 15:54	**GPS:**	51.561471,-2.932498

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Duckweed cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2080	**Date:**	22-08-2014 16:10	**GPS:**	51.560733,-2.934397

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Duckweed 100% cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2075	**Date:**	22-08-2014 15:33	**GPS:**	51.559977,-2.932456

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	555	**Date:**	22-08-2014 09:52	**GPS:**	51.561291,-2.895339

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	495	**Date:**	22-08-2014 16:03	**GPS:**	51.562041,-2.934091

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Duckweed cover 60%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	547	**Date:**	22-08-2014 12:01	**GPS:**	51.558858,-2.896646

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	100% duckweed to east clear to west

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	557	**Date:**	22-08-2014 10:37	**GPS:**	51.560127,-2.900597

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Duckweed 90%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	744	**Date:**	15-08-2014 13:14	**GPS:**	51.569898,-2.855075

Waterbody Type	

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	810	**Date:**	15-08-2014 11:51	**GPS:**	51.569448,-2.857869

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	911	**Date:**	15-08-2014 14:22	**GPS:**	51.569098,-2.848724

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	903	**Date:**	15-08-2014 12:05	**GPS:**	51.567645,-2.855629

Waterbody Type	

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	984	**Date:**	15-08-2014 12:19	**GPS:**	51.568037,-2.855335

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Within hedge, multiple trackways into reen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2101	**Date:**	15-08-2014 14:29	**GPS:**	51.568722,-2.846554

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	952	**Date:**	15-08-2014 14:34	**GPS:**	51.570181,-2.845008

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	910	**Date:**	15-08-2014 13:24	**GPS:**	51.568461,-2.853898

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	25-09-2014 15:03	**GPS:**	51.550822,-3.020803

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	135

Date:	25-09-2014 13:05

GPS:	51.553584,-3.016917

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	129	**Date:**	25-09-2014 13:51	**GPS:**	51.552021,-3.018598

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	133	**Date:**	25-09-2014 15:20	**GPS:**	51.553653,-3.019728

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	134

Date:	25-09-2014 14:09	**GPS:**	51.552080,-3.019721

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	136	**Date:**	25-09-2014 13:12	**GPS:**	51.552929,-3.017015

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	132	**Date:**	25-09-2014 15:08	**GPS:**	51.552406,-3.019935

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	134	**Date:**	25-09-2014 13:41	**GPS:**	51.552995,-3.017641

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	118	**Date:**	25-09-2014 14:52	**GPS:**	51.549741,-3.022242

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	121	**Date:**	25-09-2014 14:26	**GPS:**	51.550075,-3.019970

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Duckweed cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	93	**Date:**	25-09-2014 14:59	**GPS:**	51.551651,-3.022275

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	128	**Date:**	25-09-2014 14:01	**GPS:**	51.551124,-3.018092

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	25-09-2014 15:10	**GPS:**	51.551417,-3.021878

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	122	**Date:**	25-09-2014 14:13	**GPS:**	51.550329,-3.019843

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	100%duckweed cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	120	**Date:**	25-09-2014 14:41	**GPS:**	51.548870,-3.021352

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	142	**Date:**	25-09-2014 13:02	**GPS:**	51.553861,-3.015432

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Poss water vole "plop" heard

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	137	**Date:**	25-09-2014 13:13	**GPS:**	51.553507,-3.015072

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Within hedge

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	119	**Date:**	25-09-2014 15:02	**GPS:**	51.551655,-3.022328

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Duckweed 90% cover

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	122	**Date:**	25-09-2014 14:10	**GPS:**	51.550416,-3.019907

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Duckweed cover 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	117	**Date:**	25-09-2014 14:51	**GPS:**	51.550133,-3.022560

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	449	**Date:**	09-10-2014 15:18	**GPS:**	51.559128,-2.941535

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Macrophytes cover is duckweed Take photo from reen survey

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	500	**Date:**	09-10-2014 15:14	**GPS:**	51.559128,-2.941535

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Macrophytes cover is mainly duck weed Photo in watervole survey

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	450	**Date:**	09-10-2014 14:52	**GPS:**	51.559956,-2.943201

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Field ditch, double hedged with some open areas where bank has been poached. Some sections of ditch dry, others hold water of approx 1m. Some sections open water, others covered in Lemna. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	996	**Date:**	09-10-2014 16:36	**GPS:**	51.558789,-2.944654

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.61

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Livestock grazing adjacent to reen. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	448	**Date:**	09-10-2014 10:25	**GPS:**	51.561073,-2.942885

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.39

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Double hedged ditch. Surveyed by Angharad Owen

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	499	**Date:**	09-10-2014 15:03	**GPS:**	51.559592,-2.941116

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Double hedged field ditch. Water in ditch approx 0.5m deep. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	425	**Date:**	13-10-2014 14:14	**GPS:**	51.557020,-2.946343

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Bullrush, Berula erecta, Alisma gramineum, Lemna sp.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	507	**Date:**	13-10-2014 11:51	**GPS:**	51.559050,-2.936363

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Ditch dries up adjacent to house, so only connects to 506.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	506	**Date:**	13-10-2014 11:08	**GPS:**	51.557368,-2.939226

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Berula erecta, reed sweet grass, Alisma gramineum, bull rush, Lemna sp. 80% cover of macrophyte cover.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	427	**Date:**	13-10-2014 14:44	**GPS:**	51.557600,-2.948717

Waterbody Type	

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality		**Water Quality Score**	
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Inaccessible in places due to overgrown hedgerow. Lemna smothering surface of water. Berula erecta, bullrush in channel.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	840	**Date:**	13-10-2014 14:05	**GPS:**	51.557645,-2.945618

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Section of ditch in woodland, and then adjacent to overgrown hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	504	**Date:**	13-10-2014 10:53	**GPS:**	51.558312,-2.940002

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Lemna covering ditch surface, sluggish water movement, poaching on edges.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	426	**Date:**	13-10-2014 14:33	**GPS:**	51.557050,-2.947068

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	Overgrown ditch, with crack willow shading the water body. Reed sweet grass, flote grass, bullrush, Phragmites.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	449	**Date:**	13-10-2014 13:38	**GPS:**	51.557926,-2.944961

Waterbody Type	

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	406	**Date:**	17-10-2014 15:38	**GPS:**	51.559568,-2.953070

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	To South of footpath. Angharad Owen surveyed. Two water bodies divided by gateway (not connected).

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	498

Date:	10-10-2014 15:12	GPS:	51.558511,-2.939910

Waterbody Type	

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	Location Score	0.5
Drying	0.9	Drying Score	0.9
Water Quality	0.67	Water Quality Score	0.67
Shade	0.4	Shade Score	0.4
Fowl	1	Fowl Score	1
Fish	0.67	Fish Score	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	Habitat Score	0.67
Macrophyte Cover Percentage	0.8	Macrophyte Score	0.8

Notes:	Lemna covers water surface. Heavily shaded by double hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6114	**Date:**	10-10-2014 12:18	**GPS:**	51.539758,-2.939481

Waterbody Type	

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Part of ditch is inaccessible due to dense vegetation including bramble, crack willow, ash. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	492	**Date:**	10-10-2014 11:37	**GPS:**	51.560982,-2.939906

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Surveyed by Angharad Owen & Nick Doyle. Sticklebacks in water. Ditch in small section of woodland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	505	**Date:**	10-10-2014 15:51	**GPS:**	51.559381,-2.937802

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.86

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Adult common frog found in ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	441	**Date:**	17-10-2014 15:42	**GPS:**	51.559296,-2.952576

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Fenced. Surveyed by Angharad Owen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6100	**Date:**	17-10-2014 11:59	**GPS:**	51.557161,-2.952728

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Angharad Owen. Berula erecta, bullrush. Alisma plantago-aquatica.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6120	**Date:**	17-10-2014 14:20	**GPS:**	51.558667,-2.952576

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.91

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Field grip / ditch. Not connected to the ditch network. Bank vole latrines. 1 Common frog juvenile.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6100	**Date:**	17-10-2014 14:46	**GPS:**	51.557265,-2.952922

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Berula erecta, bullrush. Difficult to access water body due to dense vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	442	**Date:**	17-10-2014 15:24	**GPS:**	51.558924,-2.953589

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Overgrown in woodland / hedgerow. Difficult to assess.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6103	**Date:**	17-10-2014 15:08	**GPS:**	51.557825,-2.953988

Waterbody Type	

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Angharad Owen surveyed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1337	**Date:**	21-10-2014 13:59	**GPS:**	51.572305,-2.865596

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Steep sided ditch, scrub on one side, flanked by industrial units and a public foot path. Lack of safe access due to steep embankment. No hedgerow at this location.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	652	**Date:**	21-10-2014 11:53	**GPS:**	51.571130,-2.862401

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Wet ditch with steep bank, scrub and reeds adjacent to industrial units and B road (trucks)

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	956	**Date:**	21-10-2014 13:59	**GPS:**	51.572915,-2.864514

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Steep sided ditch, scrub on one side, flanked by industrial units and a public foot path. Lack of safe access due to steep embankment

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1342	**Date:**	21-10-2014 13:59	**GPS:**	51.570238,-2.867648

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Ditch with common reed and grasses on banks, industrial on one side, single carriageway road with pasture beyond.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	844	**Date:**	21-10-2014 11:53	**GPS:**	51.570987,-2.862325

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Wet ditch with steep bank, scrub and reeds adjacent to industrial units and Woodland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	974	**Date:**	21-10-2014 13:59	**GPS:**	51.572651,-2.864967

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Steep sided ditch, scrub on one side, flanked by industrial units and a public foot path. Lack of safe access due to steep embankment

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	842	**Date:**	21-10-2014 15:42	**GPS:**	51.573080,-2.862223

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Long mowed grassland trees and bank side vegetation, steep banks

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	429	**Date:**	13-10-2014 15:13	**GPS:**	51.556994,-2.951427

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Berula erecta, bullrush, water plantain. Some Lemna sp. overgrown hedge and scrub vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	841	**Date:**	13-10-2014 15:02	**GPS:**	51.556569,-2.950994

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.46

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Phragmites in ditch. Overgrown by unmanaged hedge over shading water. Hard to assess due to inaccessibility. Water plantain.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	428	**Date:**	13-10-2014 15:37	**GPS:**	51.558108,-2.950268

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Bullrush, water plantain, Berula erecta, Lemna sp.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	931	**Date:**	20-10-2014 11:44	**GPS:**	51.580512,-2.844021

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Difficult to assess as inaccessible as overgrown by hedge and brambles.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	319	**Date:**	21-10-2014 14:23	**GPS:**	51.551606,-2.998548

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	95% macrophyte cover. Steep banks. Mentha aquatica, Berula erecta, Phragmites, reed sweet grass, Lemna covering surface.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1001	**Date:**	21-10-2014 15:55	**GPS:**	51.548003,-2.998139

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Recently managed reen. Farmer told us that he had found newts in the sileage on the farm and put them back a foot away from the ditch, from his description they sounded like common species of newt.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	990	**Date:**	21-10-2014 16:15	**GPS:**	51.548446,-3.000803

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Recently managed bankside. Adjacent to working area. Berula erecta in ditch, bullrush. Farm worker told surveyors that newts had been found inside the sileage stored on a solid surface if concrete at the north-western end of this ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	645	**Date:**	22-10-2014 13:05	**GPS:**	51.574533,-2.854741

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.37

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	963	**Date:**	22-10-2014 12:48	**GPS:**	51.573735,-2.853883

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality		**Water Quality Score**	
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	6487	**Date:**	22-10-2014 10:45	**GPS:**	51.573633,-2.861378

Waterbody Type	Pond

Pond Scores			
Pond Area m²	1500	**Pond Area Score**	0.88
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.37
Larger Pond HSI Score	0.34
Reen HSI Score	0.35

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Stocked fish pond

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	648	**Date:**	22-10-2014 12:20	**GPS:**	51.573285,-2.854919

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Little water 10cm

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	964	**Date:**	22-10-2014 12:48	**GPS:**	51.573735,-2.853883

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality		**Water Quality Score**	
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	642	**Date:**	22-10-2014 17:45	**GPS:**	51.574147,-2.852436

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Dense scrub and dense Macrophytes cover (bulrushes) where not shaded

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	892	**Date:**	22-10-2014 12:44	**GPS:**	51.573676,-2.853392

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	637	**Date:**	22-10-2014 15:29	**GPS:**	51.574884,-2.850015

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	644	**Date:**	22-10-2014 11:33	**GPS:**	51.574641,-2.855156

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	908	**Date:**	22-10-2014 12:20	**GPS:**	51.573285,-2.854919

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Little water 10cm

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	637	**Date:**	22-10-2014 15:29	**GPS:**	51.575237,-2.850143

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	891	**Date:**	22-10-2014 15:29	**GPS:**	51.573849,-2.852754

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Shaded with scrub

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2001	**Date:**	22-10-2014 12:02	**GPS:**	51.563763,-2.908482

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.4
Larger Pond HSI Score	0.51
Reen HSI Score	0.55

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Dry fenced pond surrounded by scrub

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	661	**Date:**	23-10-2014 16:03	**GPS:**	51.577688,-2.840598

Waterbody Type	

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Ditch only viewed from road due aggressive sheep

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	902	**Date:**	23-10-2014 10:18	**GPS:**	51.571116,-2.862746

Waterbody Type	Pond

Pond Scores			
Pond Area m²	500	**Pond Area Score**	1
Pond Density	0.9548	**Pond Density Score**	0.3
Number of Ponds		3	

HSI Scores	
Pond HSI Score	0.59
Larger Pond HSI Score	0.56
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Dry (marshy) at time of survey after heavy rain (October), uncertain whether ever wet and therefore whether suitable for breeding. common reed, bulrush, goat willow creeping thistle, mosses at edges. Teasel

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	654	**Date:**	23-10-2014 14:40	**GPS:**	51.577849,-2.837062

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Shallow ditch covered in duck weed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	846	**Date:**	23-10-2014 14:40	**GPS:**	51.578328,-2.851990

Waterbody Type	Pond

Pond Scores			
Pond Area m²	300	**Pond Area Score**	0.6
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.49
Larger Pond HSI Score	0.48
Reen HSI Score	0.58

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Garden pond with ducks present. Some pond reed and ornamental shrubs surrounding. Lack of backside vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	655	**Date:**	23-10-2014 14:40	**GPS:**	51.577498,-2.837600

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Wet ditch covered entirely in common reed. Adjacent scrub, hawthorn & bramble. Barely wet.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	906	**Date:**	23-10-2014 11:31	**GPS:**	51.576647,-2.854855

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Managed, common reed, Lemna

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	746	**Date:**	23-10-2014 12:27	**GPS:**	51.576837,-2.856062

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	747	**Date:**	23-10-2014 11:31	**GPS:**	51.575159,-2.854570

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Managed, common reed, Lemna

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	6103	**Date:**	17-10-2014 15:08	**GPS:**	51.557825,-2.953988

Waterbody Type	

HSI Scores	
Reen HSI Score	0.48

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Angharad Owen surveyed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	569	**Date:**	22-10-2014 13:10	**GPS:**	51.564671,-2.906670

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	May have waterfowl from time to time. Water covered with oily film also seen on water continuation of this ditch 1263 further west.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2004	**Date:**	23-10-2014 15:42	**GPS:**	51.564663,-2.931869

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1108	**Date:**	23-10-2014 15:16	**GPS:**	51.564335,-2.930042

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1163	**Date:**	23-10-2014 15:20	**GPS:**	51.564398,-2.929887

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.82

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	565	**Date:**	22-10-2014 13:26	**GPS:**	51.563493,-2.906487

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Long ditch at side of road.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1093	**Date:**	23-10-2014 14:49	**GPS:**	51.563499,-2.929590

Waterbody Type	

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	491	**Date:**	23-10-2014 16:50	**GPS:**	51.565284,-2.933641

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Substantial areas of this ditch is dry but has evidence of aquatic and marginal vegetation, so has been wet in the recent past.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	512	**Date:**	22-10-2014 15:56	**GPS:**	51.561338,-2.926826

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	ADjacent refuge opportunities in large wood pile and gardens.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2007	**Date:**	23-10-2014 16:52	**GPS:**	51.565721,-2.932697

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.4
Larger Pond HSI Score	0.5
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Long central ditch in centre of the field.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1083	**Date:**	22-10-2014 11:10	**GPS:**	51.563853,-2.910341

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Survey done late in season presence of macrophytes may be less earlier on. Ditch is formed by a reen overflow, which is why it is unlikely to dry and therefore fish potential.

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	1097	**Date:**	23-10-2014 14:37	**GPS:**	51.563938,-2.928535

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Adjacent log pile and sleepers which may offer refuges.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2083	**Date:**	23-10-2014 16:02	**GPS:**	51.564301,-2.933323

Waterbody Type	

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1257	**Date:**	22-10-2014 15:18	**GPS:**	51.565769,-2.906009

Waterbody Type	

HSI Scores	
Reen HSI Score	0.77

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Fish unknown, but is large ditch. Dense phragmites bed to northernmost bank.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	444	**Date:**	17-10-2014 11:23	**GPS:**	51.558416,-2.950396

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Angharad Owen surveyed. Berula erecta in ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1247	**Date:**	22-10-2014 11:42	**GPS:**	51.563669,-2.908886

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	1101	**Date:**	23-10-2014 15:49	**GPS:**	51.564688,-2.931738

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	511	**Date:**	23-10-2014 10:54	**GPS:**	51.561459,-2.927994

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.4

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	497	**Date:**	10-10-2014 12:50	**GPS:**	51.560756,-2.940595

Waterbody Type	

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Angharad Owen surveyed. Field ditch. Doubled hedged in places

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1033	**Date:**	21-10-2014 16:41	**GPS:**	51.564271,-2.910349

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Reen heavily shaded may suit common frog and smooth newt, possibly common toad. Less likely for gcn use.

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	1263	**Date:**	22-10-2014 13:21	**GPS:**	51.564071,-2.906898

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Ditch at southern boundary of National Grid site.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	100	**Date:**	21-10-2014 15:59	**GPS:**	51.564888,-2.910608

Waterbody Type	Pond

Pond Scores			
Pond Area m²	300	**Pond Area Score**	0.6
Pond Density	1.2731	**Pond Density Score**	0.37
Number of Ponds		4	

HSI Scores	
Pond HSI Score	0.54
Larger Pond HSI Score	0.54
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Likely prior ditch that has silted up. Needs HSI earlier in season, after very dry year is hard to tell if could support amphibs early on in the season.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2071	**Date:**	23-10-2014 12:12	**GPS:**	51.563299,-2.925888

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Ditch open to nirth shaded to south by common reed. Adjacent connective habitat with value for refuge and terrestrial foraging.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2002	**Date:**	22-10-2014 13:14	**GPS:**	51.564613,-2.906816

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Ditch flanking easternmost boundary of National Grid site.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	503	**Date:**	10-10-2014 14:49	**GPS:**	51.558454,-2.941316

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Lemna on surface.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2006	**Date:**	23-10-2014 16:43	**GPS:**	51.564478,-2.934422

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Probably dries up annually, but currently has sufficient pockets of water for amphibian use. Refuges in vicinity and moderate value terrestrial habitat within connective landscape.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2003	**Date:**	23-10-2014 12:09	**GPS:**	51.563694,-2.926972

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.4
Larger Pond HSI Score	0.5
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Good pond in likely old ditch in field centre. Good connections to area of terrestrial habitat and refuge habitat value. Glyceria sp, hard-rush and soft rush.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2005	**Date:**	23-10-2014 16:35	**GPS:**	51.564500,-2.934405

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Ditch recorded as one but hedge in two as intersected by another hedge and ditch in this location.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	969	**Date:**	20-10-2014 13:40	**GPS:**	51.574573,-2.860646

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Reen running east to west between 930 & 931.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	965	**Date:**	20-10-2014 13:45	**GPS:**	51.574533,-2.860778

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Reen running east to west between southern end of 930 & 960.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	930	**Date:**	20-10-2014 13:12	**GPS:**	51.576660,-2.862237

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Dense Phragmites in ditch. Double hedged ditch, overgrown - virtually inaccessible to be able to assess. Ditch that runs North to South.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	686	**Date:**	21-10-2014 13:41	**GPS:**	51.551806,-2.999071

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.44

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	1	**Water Quality Score**	1
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Dry ditch, quite inaccessible due to overgrown hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	469	**Date:**	23-10-2014 10:55	**GPS:**	51.561341,-2.944665

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Double hedged ditch adjacent to main road.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	465	**Date:**	23-10-2014 11:03	**GPS:**	51.561316,-2.943930

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Ditch inaccessible as heavily overgrown.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	320	**Date:**	21-10-2014 14:13	**GPS:**	51.551945,-3.000027

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	75% macrophyte

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	468	**Date:**	23-10-2014 12:31	**GPS:**	51.561923,-2.944660

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Ditch in middle of field with hedgerow adjacent. Surface of water covered in Lemna. Berula erecta on edges. Dense vegetation hinders survey as can't access the entire water body.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	321	**Date:**	21-10-2014 14:46	**GPS:**	51.551252,-2.997389

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.78

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	960	**Date:**	20-10-2014 13:57	**GPS:**	51.574405,-2.862975

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.81

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Adjacent to road.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	972	**Date:**	20-10-2014 11:57	**GPS:**	51.576500,-2.860270

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade		**Shade Score**	
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	Unable to assess as overgrown with dense vegetation.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1016	**Date:**	23-10-2014 14:46	**GPS:**	51.562463,-2.944904

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	80% macrophyte cover. Berula erecta, Juncus.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	467	**Date:**	23-10-2014 12:04	**GPS:**	51.562000,-2.943854

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Double hedged ditch in field that is grazed by horses and a goat. Rabbits also present on site. Dense vegetation adjacent to ditch makes it inaccessible to survey entire length of water body.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	970	**Date:**	20-10-2014 13:19	**GPS:**	51.576678,-2.862172

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Ditch is heavily overgrown with dense vegetation, so not able to assess the entire water body. Water is brown muddy colour. Ditch that runs east to west.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1118	**Date:**	24-10-2014 12:09	**GPS:**	51.564912,-2.928157

Waterbody Type	

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Recently managed reen, with good and varied marginal vegetation.

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	2012	**Date:**	24-10-2014 15:04	**GPS:**	51.562213,-2.905824

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.45

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Ditch inaccessible due to hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1164	**Date:**	24-10-2014 12:37	**GPS:**	51.564935,-2.927722

Waterbody Type	

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Note macrophyte score from late in year may be lower for GCN season.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2008	**Date:**	24-10-2014 11:36	**GPS:**	51.560146,-2.911309

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	3.1827	**Pond Density Score**	0.81
Number of Ponds		10	

HSI Scores	
Pond HSI Score	0.48
Larger Pond HSI Score	0.62
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	Flote grass, soft rush and Hard-rush. Is a central field ditch.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2010	**Date:**	24-10-2014 12:30	**GPS:**	51.564013,-2.928899

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.37
Larger Pond HSI Score	0.46
Reen HSI Score	0.53

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	Part 2 of 1118 ditch but separate from earlier form for 1118. Wet hollow, with hard-rush, soft rush, water parsnip, water plantain and pond sedge sp. common duckweed and other terrestrial species.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1101	**Date:**	24-10-2014 11:48	**GPS:**	51.565940,-2.930684

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.6

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	100% Lemna coverage, some Glyceria in unshaded areas

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1256	**Date:**	24-10-2014 14:38	**GPS:**	51.560806,-2.907664

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	Full Lemna coverage, water parsnip in open areas, rest shaded by bramble, hawthorn Orange sludge in reen, leachate from adjacent caravan park

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1086	**Date:**	24-10-2014 15:28	**GPS:**	51.560519,-2.906599

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Milky water, lots debris, open under hedge in places

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1080	**Date:**	24-10-2014 16:11	**GPS:**	51.562609,-2.903021

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Water parsnip, glyceria, lemna

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1078	**Date:**	24-10-2014 15:51	**GPS:**	51.561954,-2.904602

Waterbody Type	

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Orange discharge adjacent to pipe in reen, water inflow spring-like

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1084	**Date:**	24-10-2014 16:32	**GPS:**	51.561023,-2.903144

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.38

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2011	**Date:**	24-10-2014 14:53	**GPS:**	51.562015,-2.905410

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.35

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Very skinny ditch between dense double hedge.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1255	**Date:**	24-10-2014 16:24	**GPS:**	51.561459,-2.902415

Waterbody Type	

HSI Scores	
Reen HSI Score	0.41

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1179	**Date:**	24-10-2014 11:35	**GPS:**	51.566358,-2.931281

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Complete Lemna coverage, overshadowed by blackthorn and emergents, flag iris. Minor open areas with more emergent interest plus some cattle poaching

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1077	**Date:**	24-10-2014 16:03	**GPS:**	51.562105,-2.904348

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Lemna 100%, pond sedge,

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1117	**Date:**	24-10-2014 12:57	**GPS:**	51.565568,-2.925220

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	100% cover Lemna minor, S. Polyrhiza Overshadowed by blackthorn, hawthorn, bramble, some phragmites

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1107	**Date:**	24-10-2014 13:15	**GPS:**	51.564369,-2.926216

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Ditch with hard and soft rush, glyceria,

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	728	**Date:**	21-10-2014 15:53	**GPS:**	51.547435,-3.069575

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Within hedge, field drain

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	244	**Date:**	15-10-2014 12:58	**GPS:**	51.545967,-3.009865

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	239	**Date:**	15-10-2014 13:04	**GPS:**	51.546497,-3.008295

Waterbody Type	

HSI Scores	
Reen HSI Score	0.65

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Duckweed 100%

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	294	**Date:**	24-10-2014 15:39	**GPS:**	51.545768,-3.022538

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	8	**Date:**	10-10-2014 14:46	**GPS:**	51.543210,-3.072335

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	139	**Date:**	24-10-2014 14:42	**GPS:**	51.552461,-3.013429

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2037	**Date:**	09-10-2014 15:37	**GPS:**	51.550221,-3.040685

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	208	**Date:**	15-10-2014 13:46	**GPS:**	51.548348,-3.004273

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.69

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2044	**Date:**	10-10-2014 14:37	**GPS:**	51.545549,-3.073719

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2043	**Date:**	21-10-2014 15:05	**GPS:**	51.546942,-3.074563

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2035	**Date:**	09-10-2014 15:32	**GPS:**	51.550091,-3.040843

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.41
Larger Pond HSI Score	0.51
Reen HSI Score	0.64

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	55	**Date:**	09-10-2014 14:44	**GPS:**	51.546709,-3.036612

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	207	**Date:**	16-10-2014 11:55	**GPS:**	51.547765,-3.003383

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	242	**Date:**	15-10-2014 13:16	**GPS:**	51.546606,-3.007496

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	240	**Date:**	15-10-2014 13:10	**GPS:**	51.547113,-3.008456

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	239	**Date:**	15-10-2014 13:09	**GPS:**	51.546945,-3.008340

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	70% duckweed

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	236	**Date:**	15-10-2014 12:37	**GPS:**	51.546875,-3.010391

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	817	**Date:**	10-10-2014 14:19	**GPS:**	51.546163,-3.070027

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2039	**Date:**	10-10-2014 14:13	**GPS:**	51.547107,-3.070308

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	1	**Water Quality Score**	1
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	211	**Date:**	15-10-2014 13:24	**GPS:**	51.547929,-3.007120

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2038	**Date:**	09-10-2014 15:22	**GPS:**	51.549889,-3.036104

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2045	**Date:**	21-10-2014 14:31	**GPS:**	51.545462,-3.074445

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	241	**Date:**	15-10-2014 13:13	**GPS:**	51.546870,-3.008159

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.55	**Macrophyte Score**	0.55

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43	**Date:**	08-10-2014 15:03	**GPS:**	51.542566,-3.043784

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.86

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	56	**Date:**	08-10-2014 16:04	**GPS:**	51.545600,-3.038471

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.7	**Shade Score**	0.7
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	43	**Date:**	08-10-2014 15:09	**GPS:**	51.542788,-3.042948

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.83

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	295	**Date:**	08-10-2014 15:52	**GPS:**	51.544096,-3.023845

Waterbody Type	Pond

Pond Scores			
Pond Area m²		**Pond Area Score**	
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0
Larger Pond HSI Score	0.58
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2034	**Date:**	09-10-2014 16:00	**GPS:**	51.549049,-3.041644

Waterbody Type	Pond

Pond Scores			
Pond Area m²	150	**Pond Area Score**	0.3
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.6
Larger Pond HSI Score	0.64
Reen HSI Score	0.79

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	293	**Date:**	24-10-2014 15:45	**GPS:**	51.544912,-3.021975

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	1	**Macrophyte Score**	1

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2033	**Date:**	09-10-2014 16:10	**GPS:**	51.549713,-3.045362

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.76

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.75	**Macrophyte Score**	0.75

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2030	**Date:**	08-10-2014 16:27	**GPS:**	51.546342,-3.041142

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	245	**Date:**	15-10-2014 12:35	**GPS:**	51.546881,-3.010699

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.85	**Macrophyte Score**	0.85

Notes:	Field A

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2036	**Date:**	09-10-2014 15:32	**GPS:**	51.547475,-3.040136

Waterbody Type	Pond

Pond Scores			
Pond Area m²	250	**Pond Area Score**	0.5
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.64
Larger Pond HSI Score	0.65
Reen HSI Score	0.8

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	862	**Date:**	09-10-2014 15:27	**GPS:**	51.547206,-3.040253

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.33

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	988	**Date:**	29-10-2014 11:17	**GPS:**	51.583421,-2.794149

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.5

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Inaccessible Hear running water

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	701	**Date:**	29-10-2014 10:18	**GPS:**	51.582171,-2.788436

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Good riparian vegetation but lack of aquatics

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	699	**Date:**	29-10-2014 10:18	**GPS:**	51.582441,-2.788279

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Scrub adjacent

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	705	**Date:**	29-10-2014 11:21	**GPS:**	51.583551,-2.794572

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	Inaccessible Good view from above Covered in bull rush

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	700	**Date:**	29-10-2014 10:58	**GPS:**	51.583326,-2.792223

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Cant see all of ditch due to dense scrub

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	699	**Date:**	29-10-2014 10:18	**GPS:**	51.582829,-2.788532

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.74

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Scrub adjacent

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	699	**Date:**	29-10-2014 10:18	**GPS:**	51.582829,-2.788532

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.75

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	Scrub adjacent

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	700	**Date:**	28-10-2014 13:19	**GPS:**	51.583263,-2.788183

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	1.2731	**Pond Density Score**	0.37
Number of Ponds		4	

HSI Scores	
Pond HSI Score	0.42
Larger Pond HSI Score	0.54
Reen HSI Score	0.52

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.2	**Shade Score**	0.2
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Shaded, some rushes on bank

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	773	**Date:**	29-10-2014 11:33	**GPS:**	51.582204,-2.790836

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2032	**Date:**	30-10-2014 14:05	**GPS:**	51.553155,-3.050990

Waterbody Type	Stream

HSI Scores	
Reen HSI Score	0.62

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.5	**Shade Score**	0.5
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.65	**Macrophyte Score**	0.65

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2031	**Date:**	30-10-2014 14:23	**GPS:**	51.551528,-3.053815

Waterbody Type	Dry ditch

HSI Scores	
Reen HSI Score	0.51

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.95	**Macrophyte Score**	0.95

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1298	**Date:**	28-10-2014 14:26	**GPS:**	51.567569,-2.912516

Waterbody Type	

HSI Scores	
Reen HSI Score	0.72

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.6	**Shade Score**	0.6
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Pond sedge, reed sweet, water fowl trails. Macrophytes submerged.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1178	**Date:**	28-10-2014 13:43	**GPS:**	51.567940,-2.915388

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.67

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Shade from duck weed covering surface. Waterfowl trail in duck weed. Treeline for shade. Bank recently managed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	580	**Date:**	28-10-2014 11:25	**GPS:**	51.564905,-2.913231

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	0.67	**Fowl Score**	0.67
Fish	0.33	**Fish Score**	0.33
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Duck weed contributing to shade banks recently managed fragmities sedge and reed sp. Water starwort.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1177	**Date:**	28-10-2014 15:14	**GPS:**	51.567365,-2.917863

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.73

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Shade due to trees.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1095	**Date:**	28-10-2014 14:53	**GPS:**	51.567815,-2.917653

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.53

Scores			
Location Zone	1	**Location Score**	1
Drying	0.1	**Drying Score**	0.1
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Inaccessible due hedge over grown scrub reeds and fence. Macrophyte cover unable to access.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	572	**Date:**	28-10-2014 10:37	**GPS:**	51.563193,-2.906302

Waterbody Type	

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone		**Location Score**	
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade		**Shade Score**	
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	No access due to fence and hedge on north side and no land access on south side

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1251	**Date:**	28-10-2014 09:55	**GPS:**	51.561241,-2.909169

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.57

Scores			
Location Zone	1	**Location Score**	1
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	0.3	**Shade Score**	0.3
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Pond weed covers surface of water is shade. Water parsnip rush and sedge species. Coots present.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	570	**Date:**	28-10-2014 10:23	**GPS:**	51.563253,-2.906459

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.52

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Pond weed covering majority of water surface and tree line adding to shade

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	675	**Date:**	29-10-2014 14:20	**GPS:**	51.573746,-2.849623

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.71

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	574	**Date:**	27-10-2014 15:45	**GPS:**	51.562085,-2.910018

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	1	**Location Score**	1
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Roadside and marshy grassland habitats nearby. Pondweed covering majority of water surface. Double treeline creating shade. See reen form for species list.

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	579	**Date:**	27-10-2014 10:34	**GPS:**	51.565691,-2.912031

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.63

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.7	**Macrophyte Score**	0.7

Notes:	Pondweed covers majority of surface = shading factor, Pragmites in reen. Moorhen sighted.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	671	**Date:**	29-10-2014 11:19	**GPS:**	51.575506,-2.848131

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.66

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Swan present

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	577	**Date:**	27-10-2014 14:42	**GPS:**	51.564047,-2.913015

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.59

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.6	**Macrophyte Score**	0.6

Notes:	Phragmites, trees see riparian mammal for list, and duckweed = shade. Livestock grazing in neighbouring field, pond sedge, water parsnip

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	576	**Date:**	27-10-2014 11:32	**GPS:**	51.564028,-2.910964

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.58

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Field ditch next to sheep grazed field and road. Phragmites emerging from ditch. Pondweed covers ditch surface = shading.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	575	**Date:**	27-10-2014 12:13	**GPS:**	51.562410,-2.910696

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	1	**Location Score**	1
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.4	**Macrophyte Score**	0.4

Notes:	Phragmites veg cover. Trees (ash, willow, hawthorn) and pondweed = cover. 10m surveyed.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	771	**Date:**	27-10-2014 10:58	**GPS:**	51.565701,-2.911913

Waterbody Type	

HSI Scores	
Reen HSI Score	0

Scores			
Location Zone		**Location Score**	
Drying		**Drying Score**	
Water Quality		**Water Quality Score**	
Shade		**Shade Score**	
Fowl		**Fowl Score**	
Fish		**Fish Score**	
Terrestrial Habitat			
Terrestrial Habitat Quality		**Habitat Score**	
Macrophyte Cover Percentage		**Macrophyte Score**	

Notes:	Inaccesible

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	1217	**Date:**	31-10-2014 11:54	**GPS:**	51.567645,-2.889659

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.56

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.4	**Shade Score**	0.4
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.8	**Macrophyte Score**	0.8

Notes:	

Photo 1 **Photo 2** **Photo 3**

Photo 4 **Photo 5** **Photo 6**

HSI

Waterbody Number:	947	**Date:**	30-10-2014 16:05	**GPS:**	51.584659,-2.846936

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.27
Larger Pond HSI Score	0.32
Reen HSI Score	0.33

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.6	**Shade Score**	0.6
Fowl	1	**Fowl Score**	1
Fish	0.01	**Fish Score**	0.01
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.5	**Macrophyte Score**	0.5

Notes:	Pond located in site of Magor Brewery (industrial site). There are areas of vegetation in amongst the buildings, but mainly parkland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	419	**Date:**	29-10-2014 12:02	**GPS:**	51.557861,-2.945571

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.7

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	0.9	**Shade Score**	0.9
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Ditch in broad leaved woodland.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	418	**Date:**	29-10-2014 12:54	**GPS:**	51.558304,-2.947663

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.68

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	1	**Water Quality Score**	1
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Inaccessible due to dense tall herbs / scrub.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	445	**Date:**	29-10-2014 12:43	**GPS:**	51.558206,-2.947461

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.53
Larger Pond HSI Score	0.68
Reen HSI Score	0.88

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	1	**Water Quality Score**	1
Shade	1	**Shade Score**	1
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	1	**Habitat Score**	1
Macrophyte Cover Percentage	0.9	**Macrophyte Score**	0.9

Notes:	Approximately 4metres from ditch, but not connected.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	685	**Date:**	31-10-2014 16:15	**GPS:**	51.551663,-2.998597

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.42

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.1	**Drying Score**	0.1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.7	**Shade Score**	0.7
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.67	**Habitat Score**	0.67
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Oily film on water surface, depth of water very low, bramble & scrub shading most of the water body but open adjacent to field where livestock grazing. Poached edge on field side.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	331	**Date:**	31-10-2014 15:25	**GPS:**	51.565030,-2.977985

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.32

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.8	**Shade Score**	0.8
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Drainage ditch, water is a grey-blue colour indicating very poor water quality, tyres have been dumped in water body.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	317	**Date:**	31-10-2014 16:24	**GPS:**	51.551358,-2.997067

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.54

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.8	**Shade Score**	0.8
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.45	**Macrophyte Score**	0.45

Notes:	Water parsnip, greater pond sedge, Invasive floating pennywort. This is a lower section of the Sea Wall Reen.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	2090	**Date:**	31-10-2014 11:50	**GPS:**	51.565652,-2.898136

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.47

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	1.0	**Drying Score**	1
Water Quality	0.33	**Water Quality Score**	0.33
Shade	0.3	**Shade Score**	0.3
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	

Photo 1

Photo 2

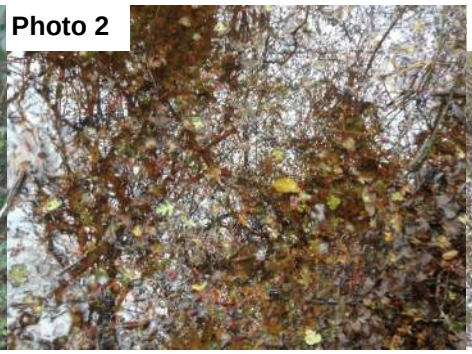

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	330	**Date:**	31-10-2014 15:30	**GPS:**	51.565011,-2.976640

Waterbody Type	Pond

Pond Scores			
Pond Area m²	100	**Pond Area Score**	0.2
Pond Density	0.3183	**Pond Density Score**	0.15
Number of Ponds		1	

HSI Scores	
Pond HSI Score	0.46
Larger Pond HSI Score	0.5
Reen HSI Score	0.57

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.67	**Water Quality Score**	0.67
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Adjacent to drainage ditch with poor water quality and urban industrial land use. Phragmites reed bed surrounds, inaccessible bramble scrub with hawthorn surrounding that.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	322	**Date:**	31-10-2014 15:12	**GPS:**	51.567593,-2.981830

Waterbody Type	Pond

Pond Scores			
Pond Area m²	50	**Pond Area Score**	0.05
Pond Density	0	**Pond Density Score**	0.08
Number of Ponds		0	

HSI Scores	
Pond HSI Score	0.33
Larger Pond HSI Score	0.41
Reen HSI Score	0.49

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.5	**Drying Score**	0.5
Water Quality	0.33	**Water Quality Score**	0.33
Shade	1	**Shade Score**	1
Fowl	0.67	**Fowl Score**	0.67
Fish	0.67	**Fish Score**	0.67
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.35	**Macrophyte Score**	0.35

Notes:	Inaccessible due to dense vegetation (mainly bramble) and high fencing blocking access. surveyed from footpath.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

HSI

Waterbody Number:	1295	**Date:**	31-10-2014 13:21	**GPS:**	51.568116,-2.917537

Waterbody Type	Reen

HSI Scores	
Reen HSI Score	0.3

Scores			
Location Zone	0.5	**Location Score**	0.5
Drying	0.9	**Drying Score**	0.9
Water Quality	0.01	**Water Quality Score**	0.01
Shade	0.5	**Shade Score**	0.5
Fowl	1	**Fowl Score**	1
Fish	1	**Fish Score**	1
Terrestrial Habitat			
Terrestrial Habitat Quality	0.33	**Habitat Score**	0.33
Macrophyte Cover Percentage	0.3	**Macrophyte Score**	0.3

Notes:	Poor water quality, colour of water is creamy-grey.

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6