
Environmental Statement

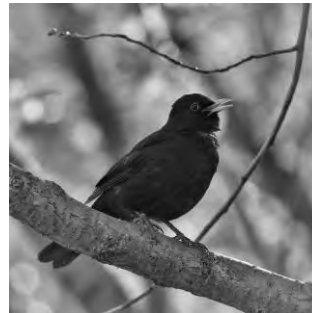
Appendix 8.7: Breeding Bird Survey

Land at Lower Berse Farm, Wrexham

On behalf of Redrow Homes Ltd

October 2025





Ruthin Road

Wrexham

Protected Species Report: Breeding Birds

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Nothing in this report constitutes legal opinion. If legal opinion is required, the advice of a qualified legal professional should be secured.

Executive Summary

Introduction	TEP undertook breeding bird surveys for Ruthin Road, Wrexham. The Scheme comprises arable fields that are bisected by a continuous line of broadleaved trees, with areas of scrub and species-rich hedgerow. A barn is located within the northwest corner of the site, with further residential buildings within the 100m buffer to the southwest and northeast. The Scheme is immediately bounded by roads, with Wrexham to the east. Beyond this, the River Clywedog runs parallel to the 100m buffer to the south, providing access to woodland patches and further stretches of arable land to the west and southeast.
Survey Details	Four breeding bird surveys were undertaken from April 2025 to June 2025, with three early morning visits and a final dusk visit. The Scheme plus a 100m survey buffer was walked using a transect method.
Breeding Bird Species	44 bird species were recorded within the Scheme boundary and 100m buffer during the 2025 breeding bird survey, 40 within the Scheme itself. 13 species were confirmed as breeding within the Scheme and 100m Scheme buffer, with 9 in the Scheme itself; 16 species were assessed as probable breeding species within the Scheme and 100m Scheme buffer, with 15 in the Scheme itself; and 19 species were recorded as possible breeding species within the Scheme and 100m Scheme buffer, with 18 in the Scheme itself. 10 notable (BoCC) species were confirmed or probable breeding bird species, with 4 in the Scheme itself.
Summary	The Scheme is of local significance for bird. This is based on an assessment of numbers of confirmed, probable and possible breeding bird species within the Scheme, as well as the abundance and species richness of notable bird species present within the Scheme and surrounding area. Most species were recorded using the green lane that bisects the Scheme (unsurfaced track bordered by parallel species-rich hedgerows and trees), in addition to other scrub and species-rich hedgerow throughout the site. Species such as house martin, swift and swallow forage within the arable fields of the Scheme and may use the northwest barn as nesting habitat.

This Executive Summary is not a substitute for the full report. Refer to the full text of this report for further detail.

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Drawings

- G8745.035 Breeding Bird Survey - Visit 1 02.04.2025
- G8745.036 Breeding Bird Survey - Visit 2 01.05.2025
- G8745.037 Breeding Bird Survey - Visit 3 06.06.2025
- G8745.038 Breeding Bird Survey - Visit 4 16.06.2025

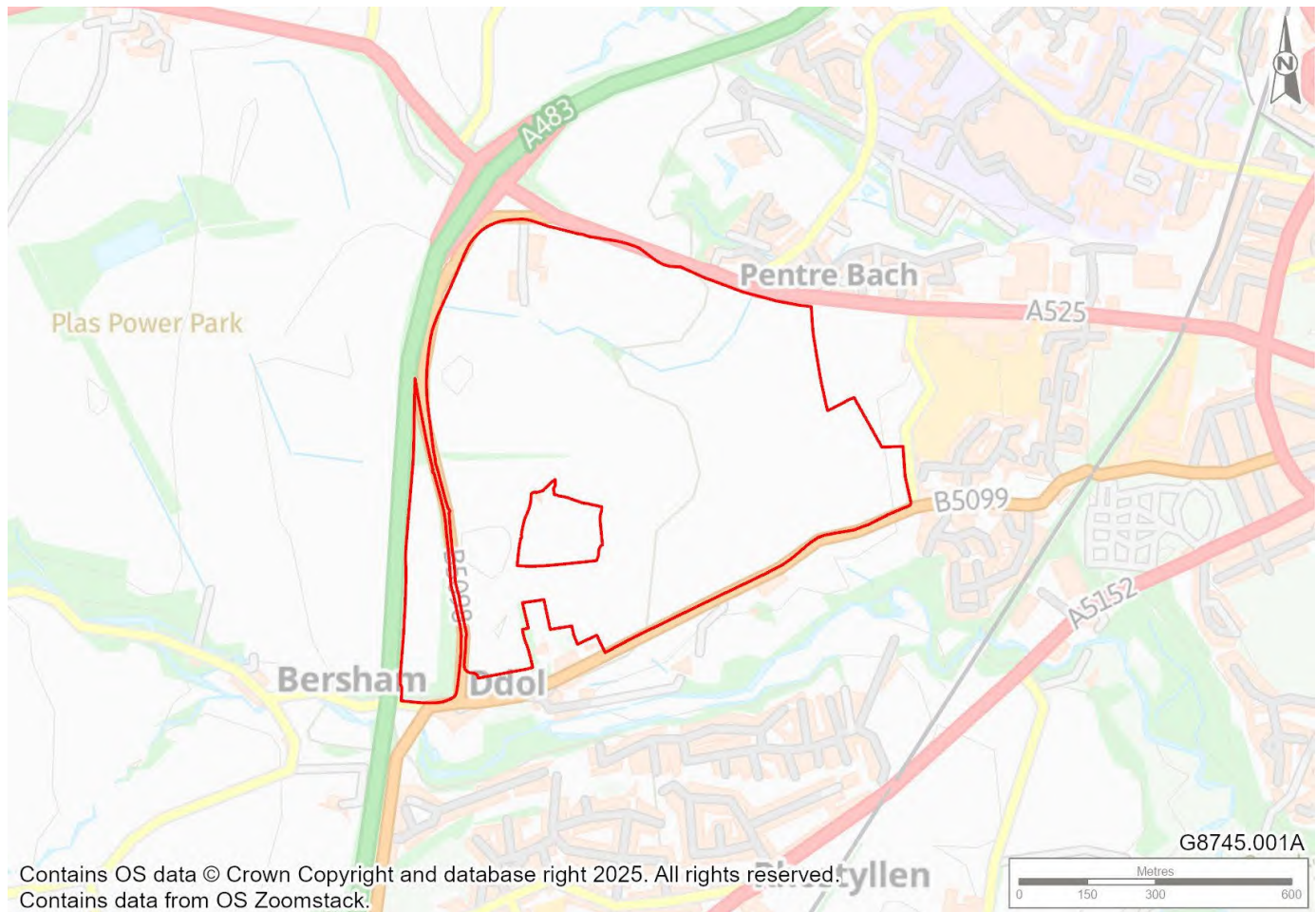
1.0 Introduction

- 1.1 The Environment Partnership (TEP) was commissioned by Redrow Homes North West Limited (hereafter referred to as ‘the Client’) to undertake breeding bird surveys for a proposed residential development at Ruthin Road in Wrexham (hereafter referred to as ‘the Scheme’).
- 1.2 This assessment is required to inform a planning application for the development of up to 1,450 homes, a primary school and local centre.
- 1.3 The objectives of this report are to:
- Detail the survey methods and results of the breeding bird survey;
 - Assess the number of pairs of probable and confirmed breeding species;
 - Identify features of value within or near to the Scheme for breeding birds; and
 - Value the Scheme as a whole for breeding birds.
- 1.4 As assessment of the potential impacts associated with the development proposals and requirements for mitigation are presented within the ecology chapter of an Environmental Statement.

Scheme Description

- 1.5 The Scheme is located off Ruthin Road in Wrexham. It is approximately centred on national grid reference SJ 31500 49800 and measures 72.85 ha. The location of the Scheme within the wider landscape (red line boundary) is depicted in Figure 1 below.
- 1.6 The Scheme consists of mainly arable farmland and improved grassland bordered by native species rich, intact hedgerows. Within the Scheme there are small pockets of dense semi-natural broadleaved woodland, continuous scrub and hardstanding and buildings. A wet ditch runs within the northern section and there is one pond within the Scheme. A green lane runs west to east through the centre of the site. This comprises an unsurfaced central track which is a Public Right of Way, bordered on either side by parallel species rich hedgerows with trees.

Figure 1: Scheme Location



Pre-existing Scheme Data

Desk study

- 1.7 A desk study was undertaken in April 2025 to assess the presence of any protected or notable bird species recorded within a 2km radius of the Scheme (central grid reference SJ 31500 49800) (TEP Ref: 875.019).
- 1.8 Data relating to records of notable bird species occurring within 2km of the Scheme were requested from the Local Environmental Records Centre for North Wales (COFNOD).
- 1.9 Additionally, the locations of any statutory and non- statutory designated wildlife sites within 2km of the Scheme that have designations for breeding birds were requested from COFNOD and the Natural Resources Wales (NRW) record centres respectively.
- 1.10 Bird species classed as notable are those listed on any of the following:
 - Schedule 1 of the Wildlife and Countryside Act 1981, as amended (WCA1);

- Species of principal importance under Section 7 of the Environment Wales Act 2016 (S7);
- Red and Amber listed Bird of Conservation Concern (BoCC) in Wales (Bam/ BRd – Wales) (RSPB, 2016);
- Red and Amber listed Bird of Conservation Concern (BoCC) species (Stanbury *et al.* 2021 and Stanbury *et al.* 2024) (BRd/ BAM); and
- Bird species listed on the Local Biodiversity Action Plans (LBAP) for Wrexham County Borough Council ([ARCHIVED CONTENT] Wrexham Biodiversity Action Plan (nationalarchives.gov.uk)Accessed on 19/11/2021)

2021 Breeding Bird Survey

- 1.11 A previous Breeding Bird Survey was conducted by TEP in 2021, with three visits between 19/04/2021 and 17/06/2021 (TEP Ref: 8745.003).
- 1.12 A total of 37 bird species were recorded within the Scheme boundary and 100m survey buffer during the 2021 breeding bird survey. Thirty-six of these species were recorded at least once within the Scheme itself.
- 1.13 Two bird species were confirmed as nesting within the Scheme, namely blue tit and notable species dunnock. Additionally, robin was confirmed as nesting within the 100m survey buffer.
- 1.14 Twenty bird species were assessed as probable breeding species within the Scheme and 100m survey buffer. Of these, notable species house sparrow, song thrush, whitethroat, woodpigeon and wren likely nested within the Scheme and bullfinch, greenfinch and mistle thrush likely nested in the 100m survey buffer.

2.0 Methods

Breeding Bird Survey

- 2.1 The breeding bird survey was carried out applying methods based on the standard Breeding Bird Survey and Common Bird Census methods developed by the British Trust for Ornithology (BTO) (Gilbert *et al.* 1998).
- 2.2 Four survey visits were undertaken from early April to mid June, with three evenly spaced early morning visits in early April, May and June in addition to a final dusk visit in mid June.
- 2.3 The Breeding Bird Survey guidelines (Bird Survey & Assessment Steering Group. 2024) state that a breeding bird survey should have six survey visits as a default unless clear justification can be provided to deviate from this approach. This is to ensure that all parts of the breeding bird survey season are adequately covered. TEP utilise a BBS Scoping Matrix on projects to determine whether fewer or a greater number of survey visits are justified to provide an adequate baseline. A range of factors are considered such as size of site, quality of bird habitat, proximity of designated sites for birds and predicted extent of habitat loss.
- 2.4 The survey guidance is currently non-mandatory but is being adopted by a number of national organisations and Local Planning Authorities.
- 2.5 The Ruthin Road Scheme was judged to require a four-visit breeding bird survey. Factors contributing to this decision included the overall small size of the Scheme and the limited habitat types present within the Scheme, as well as providing a comparable survey effort and dataset as the previous survey undertaken in 2021.
- 2.6 Bird species and activity patterns were recorded and mapped using standard BTO symbology.
- 2.7 Bird species within the 100m surrounding the Scheme boundary were also recorded during the survey, as a proportion of the bird's foraging or nesting habitat is likely to be within the Scheme.

Limitations

- 2.8 There were no limitations regarding the timing or extent of the 2025 breeding bird surveys.

3.0 Results

Breeding Bird Surveys

Table 1: 2025 Breeding bird survey details

Visit Number Date(s)	Surveyor(s)	Survey Period	Weather	Survey Coverage	Drawing Reference
1 02/04/2025	MW	06:15 – 10:55	Dry and clear with minimal breeze.	Scheme boundary and 100m buffer	G8745.035 Breeding Bird Survey - Visit 1
2 01/05/2025	MHS	06:10 – 10:45	Dry and light cloud with minimal breeze.	Scheme boundary and 100m buffer	G8745.036 Breeding Bird Survey - Visit 2
3 06/06/2025	TW	05:15 – 10:45	Dry and heavy cloud with minimal breeze.	Scheme boundary and 100m buffer	G8745.037 Breeding Bird Survey - Visit 3
4 16/06/2025	AW + RH	18:00 – 22:45	Dry and light cloud with light breeze.	Scheme boundary and 100m buffer	G8745.038 Breeding Bird Survey - Visit 4

Table 2: Bird counts from the 2025 breeding bird survey, including conservation and likely breeding status

Species	S/SBU	Visit 1	Visit 2	Visit 3	Visit 4	Conservation Status	Likely Breeding status
Blackbird	S	19	14	9	17		C(1), Pr(6)
	SBU	27	18	11	25		C(1), Pr(7)
Blackcap	S	1	1	7			Pr(1)
	SBU	1	1	7			Pr(1)
	S			1			Pr(1)

Species	S/SBU	Visit 1	Visit 2	Visit 3	Visit 4	Conservation Status	Likely Breeding status
Bullfinch	SBU			2		S7, S41, BAm (GB)	Pr(1)
Blue tit	S	13	8	12	1		Pr(4)
	SBU	16	10	17	1		C(1), Pr(5)
Buzzard	S	4	1		1		Po
	SBU	5	2	1	1		Po
Carrion crow	S	2	14	4	5		Po
	SBU	4	14	5	8		Po
Chiffchaff	S	13	9	9	6		Pr(6)
	SBU	15	13	12	6		Pr(9)
Collared dove	S						N
	SBU	1		1			Po
Chaffinch	S	2		1	1		Po
	SBU	3		3	2		Po
Coal Tit	S		1	1			Po
	SBU	1	1	1			Po
Dunnock	S	13	3	5	5	S41, BAm (GB)	Pr(3)
	SBU	19	4	11	8		C(1), Pr(5)
Goldcrest	S			1		BRd (Wales)	Po
	SBU			3			Po
Goldfinch	S	6	2	3	1		Po
	SBU	8	2	6	2		Pr(1)
Greenfinch	S	1				BRd (Wales & GB)	Po
	SBU	1		1	1		Pr(1)
Great tit	S	7	5	10	2		C(1), Pr(3)
	SBU	9	6	13	2		C(2), Pr(4)

Species	S/SBU	Visit 1	Visit 2	Visit 3	Visit 4	Conservation Status	Likely Breeding status
Garden warbler	S		1				Po
	SBU		1				Po
Grey heron	S		1				N
	SBU		1				N
Grey partridge	S			2		S7, S41, BRd (Wales & GB)	C(1)
	SBU			2			C(1)
Herring gull	S					S7, S41, BRd (Wales & GB)	N
	SBU			1			N
House martin	S			16	26	BRd (GB)	Pr(1)
	SBU		6	17	26		C(1), Pr(5)
House sparrow	S		4	6		S7, S41, BRd (GB)	C(1)
	SBU		4	8			C(2), Pr(2)
Jackdaw	S	7	11	1			Po
	SBU	8	17	4			Po
Jay	S	1					Po
	SBU	1					Po
Lesser black-backed gull	S		1	1		BRd (Wales), BAm (GB)	N
	SBU		1	1			N
Linnet	S			3		S7, S41, BRd (Wales & GB)	Po
	SBU			3			Po
Long-tailed tit	S	6	5	7	3		C(3)
	SBU	6	7	9	3		C(3)
Magpie	S	9	12	6	3		Pr(1)
	SBU	11	13	6	5		Pr(2)
	S		1				Po

Species	S/SBU	Visit 1	Visit 2	Visit 3	Visit 4	Conservation Status	Likely Breeding status
Meadow pipit	SBU		1			BRd (Wales), BAm (GB)	Po
Nuthatch	S			1			Po
	SBU	1		1			Po
Oystercatcher	S					BAm (Wales & GB)	N
	SBU		1				N
Pheasant	S	11	6	7			Po
	SBU	15	7	10	2		Po
Pied wagtail	S	1		2			C(1)
	SBU	1		3			C(1)
Raven	S						N
	SBU			1			N
Robin	S	26	7	14	2		C(1), Pr(8)
	SBU	31	7	21	2		C(1), Pr(9)
Rook	S		1	2		BRd (Wales), BAm (GB)	C(1)
	SBU		1	2			C(1)
Sedge warbler	S			1		BAm (GB)	Po
	SBU			1			Po
Song thrush	S	4	5	3	2	S7, S41, BAm (GB), LBAP	C(2), Pr(1)
	SBU	6	6	3	2		C(2), Pr(1)
Starling	S		3	2		S7, S41, BRd (Wales & GB)	Po
	SBU		6	4			C(1)
Stock dove	S			2		BAm (GB)	Po
	SBU			3			Po
Swallow	S	1		8	13		Pr(4)
	SBU	1		8	16		Pr(4)

Species	S/SBU	Visit 1	Visit 2	Visit 3	Visit 4	Conservation Status	Likely Breeding status
Swift	S			11	6	BRd (Wales & GB)	Po
	SBU		3	17	6		Po
Whitethroat	S		1			BAm (GB)	Po
	SBU		1				Po
Woodpigeon	S	16	26	11	45	BAm (GB)	Pr(2)
	SBU	21	41	21	51		Pr(5)
Wren	S	18	17	23	5	BAm (GB)	Pr(12)
	SBU	25	23	30	9		Pr(15)

S: Scheme; SBU: Scheme including 100m buffer

WCA1 = Schedule 1; S7 = Section 7; S41 = Section 41; BRd = BoCC Red List; BAm = BoCC Amber List; LBAP = Local Biodiversity Action Plan

C = confirmed breeding, Pr = probable breeding, Po = possible breeding, N = not breeding

Results Summary

Desktop Results

- 3.1 There are historical records of 62 notable bird species that have been recorded within 2km of the Scheme. The birds identified within these records are included in Table 3.
- 3.2 Of the 14 WCA1 species recorded within 2km of the Scheme, Cetti's warbler, barn owl and hobby are the most likely species to breed in habitat within the Scheme or the 100m buffer. The other WCA1 species (see Table 3) are unlikely to breed on the Scheme due to the lack of suitable nesting habitat or the Scheme being situated outside of the geographic breeding range for this species.
- 3.3 The absence of records does not show an absence of any notable species.

Table 3: List of WCA1 species recorded within 2km of the Scheme

WCA1 Species		
• Avocet <i>Recurvirostra avosetta</i>	• Goshawk <i>Accipiter gentilis</i>	• Merlin <i>Falco columbarius</i>

- | | | |
|---|---|-------------------------------------|
| • Barn Owl <i>Tyto Alba</i> | • Green Sandpiper <i>Tringa ochropus</i> | • Peregrine <i>Falco peregrinus</i> |
| • Brambling <i>Fringilla montifringilla</i> | • Hobby <i>Falco subbuteo</i> | • Red Kite <i>Milvus milvus</i> |
| • Cetti's Warbler <i>Cettia cetti</i> | • Kingfisher <i>Alcedo atthis</i> | • Redwing <i>Turdus iliacus</i> |
| • Fieldfare <i>Turdus pilaris</i> | • Marsh Harrier <i>Circus aeruginosus</i> | |

Breeding Bird Survey Results

Scheme and 100m buffer

- 3.4 In total, 44 bird species were recorded within the Scheme boundary and 100m survey buffer during the 2025 breeding bird survey, with 40 of these within the Scheme itself.
- 3.5 Thirteen species were confirmed to be breeding with the Scheme boundary and 100m buffer, with 9 of these within the Scheme itself.
- 3.6 Four notable species were confirmed to be breeding within the Scheme itself.
- 3.7 Three BoCC red list species were confirmed to be breeding within the Scheme boundary. On visit 3 (06/06/2025), a **house sparrow** colony was recorded at the northeast farm within the site boundary. On the same visit, a family of **grey partridge** was confirmed in the northern field and a family of **rook** was confirmed in the centre of the horizontal tree line. **Song thrush** (designated under Sections 7 & 41, BoCC amber list and LBAP for Wrexham) were also confirmed to be breeding within the Scheme. On visit 2, a nest was confirmed in the horizontal tree line and a juvenile was recorded in the parallel tree line in the north.
- 3.8 Four notable species were confirmed to be breeding in the 100m buffer.
- 3.9 Another colony of **house sparrow** was recorded within the southwest buffer, close to the social club on visit 3. A confirmed nest of **house martin** (S7, S41, BoCC red list) was recorded on visit 2 in the northeast buffer, on a house across Ruthin Road. A family of **starling** (S7, S41, BoCC red list) was recorded in the field that bounds the Scheme to the northeast, close to Ruthin Road. A confirmed pair of **dunnock** (S41, BoCC amber list) was recorded in the southeast buffer, in a field across the B5099.
- 3.10 Sixteen species were probable breeding species within the Scheme and 100m buffer, fifteen of these were within the Scheme itself.

3.11 The ten notable probable breeding species found within the Scheme and 100m buffer are summarised in Table 4. Four notable species were recorded as probable breeding species within the Scheme itself: bullfinch, dunnock, woodpigeon and wren.

Table 4: Notable species assessed as confirmed and probable breeders on the Scheme and within 100m buffer

Notable Confirmed and Probable Breeding Species	
▶	Bullfinch: 1 probable pair (Scheme)
▶	Dunnock: 3 probable pair (Scheme), 1 confirmed and 2 probable pairs (buffer)
▶	Greenfinch: 1 probable pair (buffer)
▶	Grey partridge: 1 confirmed family (Scheme)
▶	House martin: 1 probable pair (Scheme), 1 confirmed nest and 5 probable pairs (buffer)
▶	House sparrow: 1 confirmed colony (Scheme), 1 confirmed colony (buffer)
▶	Rook: 1 confirmed family (Scheme)
▶	Song thrush: 1 confirmed nest, 1 confirmed juvenile, 1 probable pair (Scheme)
▶	Starling: 1 confirmed family (buffer)
▶	Woodpigeon: 2 probable pairs (Scheme), 3 probable pairs (buffer)
▶	Wren: 12 probable pairs (Scheme), 3 probable pairs (buffer)

3.12 There were 19 species recorded as possible breeding species in the Scheme and 100m buffer, with 18 of these within the Scheme itself.

3.13 Notable possible breeding species within the Scheme itself include: goldcrest, greenfinch, linnet, meadow pipit, sedge warbler, starling, stock dove, and whitethroat.

3.14 No further notable possible breeding species were found exclusively in the 100m buffer.

4.0 Discussion

Evaluation of Scheme Value for Breeding Birds

- 4.1 A total of 44 bird species were recorded within the Scheme boundary and 100m survey buffer during the 2025 breeding bird survey. A total of 40 bird species were recorded within the Scheme boundary alone during the 2025 breeding bird survey.

Fuller Method

- 4.2 Fuller (1980) devised a method of classifying the ornithological interest of sites for conservation based on three site attributes: population size, rarity and diversity.
- 4.3 No significant breeding bird concentrations (i.e. 1% or more of the national breeding population) or nationally rare breeding bird species (i.e. between 1 and 1,000 breeding pairs) were recorded during the survey.
- 4.4 The total number of confirmed, probable and possible breeding bird species recorded within a site indicates its significance. Table 5 shows the breeding species richness criteria devised by Fuller.

Table 5: Significance of the total number of breeding species recorded at a site

Local	County	Regional	National
25-49	50-69	70-84	85+

- 4.5 Based on the above criteria, the 39 confirmed, probable and possible breeding bird species recorded within the Scheme and 100m buffer indicate that the Scheme including the 100m buffer is of local significance for breeding birds.

Overall Assessment

- 4.6 An all-encompassing assessment of the value of the Scheme must be based on all the following factors (Table 6). This table considers only the Scheme itself.
- 4.7 Within the Scheme alone, 38 species were confirmed, probable or possible breeding bird species.
- 4.8 It is concluded that the Scheme is of **local significance for breeding birds**. This significance is primarily due to the central green lane, which comprises an unsurfaced

track bounded by parallel species rich hedgerows with trees that spans the centre of the Scheme. In addition other areas of continuous scrub and hedgerow throughout the site also provide nesting habitat. The arable land also provides foraging habitat for species such as house martins, swifts and swallows.

Table 6: Assessment of the value of the Scheme only based on the 2025 breeding bird survey

Evaluation Factor	Result
Result of the Fuller species richness assessment (including confirmed, probable and possible breeders)	38 species – local significance
Proportion of species that were confirmed or probable breeding species compared to possible breeding species within the Scheme boundary	Confirmed/probable breeding species – 19 species (50%) Possible breeding species – 19 species (50%) The number of combined confirmed and probable breeding species is equal to the number of possible breeders.
The extent and quality of nesting habitat	Most important habitats for breeding birds within the Scheme – the central green lane that bisects the Scheme, areas of continuous scrub and hedgerow. The long stretches of these habitats are able to facilitate a high abundance of breeding birds. Buildings within the Scheme such as the northwest barn are important nesting habitat for swallows and potentially house martin and swifts, with nearby arable fields and improved grassland being used for foraging. The diversity of land within the 100m buffer of the Scheme is greater due to the presence of residential buildings that provide nesting habitat for house martins and further smaller patches of arable land and hedgerow, in addition to small clusters of trees in the north and south. Habitat connectivity – the Scheme is bounded by Ruthin Road to the north, the B5099 to the south and the A483 dual carriageway to the west. The town of Wrexham bounds the Scheme to the east, limiting connectivity. Beyond the immediate roads, the River Clywedog runs parallel to the south Scheme boundary, towards woodland areas in the west and southeast which may provide a corridor for dispersal. There is further arable land across the A483 to the west, albeit with sparser and less connected hedgerow than the Scheme. The central green lane provides connectivity across the scheme.
Range of BoCC species recorded	Number of BoCC species recorded within the Scheme and survey buffer (confirmed, probable or possible breeders only) – 18. Number of BoCC species recorded within the Scheme alone (confirmed, probable or possible breeders only) – 18.

Abundance of BoCC species	BoCC species considered to be important contributors to Scheme value based on abundance – house martin and swifts were present in moderate numbers, although only house martin was confirmed to be breeding close to Scheme within buffer. Dunnock, woodpigeon and wren were also recorded in moderate numbers although none were confirmed to be breeding within the Scheme. Song thrush were recorded in low to moderate numbers with a single pair confirmed to be breeding within the scheme. The abundance of all other BoCC species was generally low.
Presence of Schedule 1 species	No Schedule 1 species were recorded during the 2025 BBS.

Individual Species Assessment

Table 7: Notable species recorded within the Scheme and 100m buffer as confirmed or probable breeders

Species	Numbers of Pairs	Habitats Associated with	Site Specific Context
Bullfinch (S7, S41, BAm)	Site: Pr(1)	Delicate nest of twigs usually made in thick and inaccessible hedge, scrub, bramble or hawthorn as well as conifers. Four to five eggs, typically have two broods.	Recorded on visit 3 alone, inside site boundary. Female bullfinch seen alarming in central line of trees to the east of site, with a male seen calling in the perpendicular hedgerow on northeast s boundary.
Dunnock (S41, BAm)	Site: Pr(3) Buffer: C(1), Pr(2)	Nest close to the ground in vegetation understorey, bramble and scrub, but will also nest in hedgerows and residential gardens. Can be found in a wide variety of habitats and will typically have two possibly three broods each year	Dunnock were recorded singing on three separate visits in hedgerow around the northern field and on two visits in the perpendicular hedgerow. On all four visits, dunnock were recorded in the central line of trees above the farm in the southwest. A confirmed pair was recorded in the southeast section of the buffer, in a field on the other side of the B5099. Dunnock were also heard singing on three visits in the eastern section of the buffer in hedgerow at the edge of the field.

Species	Numbers of Pairs	Habitats Associated with	Site Specific Context
Greenfinch (BRd)	Buffer: Pr(1)	Nest in hedgerows and shrubs or trees if dense enough, usually only a few feet up from ground. Nest made from moss, grass and twigs. Clutch size of 4-5 eggs, and usually two broods.	Recorded singing on two visits in trees surrounding a house in the southeast buffer, on the opposite site of the B5099.
Grey partridge (S7, S41, BRd Wales & GB)	Site: C(1)	Nest in simple scrapes at ground level in tall grass or the bottom of hedgerows. Prefer dead tussocky grasses. Typically one brood of 10-20 eggs.	A family of grey partridge was confirmed in the northern field close to hedgerow along the site boundary, near to Ruthin Road.
House martin (BRd GB)	Site: Pr(1) Buffer: C(1), Pr(5)	Build mud nests under eaves of buildings, leaving a small opening at top of nest. Typically nest in colonies	Confirmed nest in northeast buffer, on house across the A525 during visit 2. On visits 3 and 4, house martins were seen flying close to the farm in the northwest corner of site in addition to the farm surrounded by site boundary in the southwest and likely to be using the confirmed nest site.
House sparrow (S7, S41, BRd GB)	Site: C(1) Buffer: C(2)	Nest in building cavities and nest boxes but can also use hedges. Line cavity with coarse vegetation as an outer layer and finer feathers as an inner layer. Four to five eggs and two to three broods.	Two colonies recorded on visit 3, with one found in northwest farm and the other within southwest buffer close to social club and B5099.
Rook (BRd Wales, BAm GB)	Site: C(1)	Nest in colonies, known as rookeries, in tall trees. Nests built with twigs and lined with soft material. One brood of 3-4 eggs.	A family of rook was recorded in the middle of the central tree line on visit 3.

Species	Numbers of Pairs	Habitats Associated with	Site Specific Context
Song thrush (S7, S41, BAm GB, LBAP)	Site: C(2), Pr(1)	Nest in lower sections of trees and shrubs but may also build nest on buildings or ivy. Can be found in woodland, farmland, scrub and gardens. Typically have two or three broods each year.	On visit 2 a confirmed nest was found in the central tree line, above the farm surrounded by site boundary in the southwest. On the same visit, a juvenile was recorded in the parallel tree line to the north. Singing song thrush were also recorded on two visits in the west section of site that is bisected by Berse Lane, on the northern field margin.
Starling (S7, S41, BRd Wales & GB)	Site: Po Buffer: C(1)	Build nests in cavities, primarily in trees with cavities from woodpeckers, but also in buildings and nestboxes. One to two broods of 4-5 eggs.	A starling family was recorded in a field that bounds the northeast section of the site, close to the site boundary and Ruthin Road.
Woodpigeon (BAm GB)	Site: Pr(2) Buffer: Pr(3)	Found in a variety of habitats including parks and gardens. Build a loose twiggy nest in trees and hedgerows	Recorded singing on three occasions in section of central tree line close to the southwest barn and on two occasions further along the tree line to the west. In the buffer, recorded singing close to social club in southwest, in the trees by house across B5099 and close to the school in the east.
Wren (BAm GB)	Site: Pr(12) Buffer: Pr(15)	Found in numerous habitats including deciduous woodland, scrub, pasture, farmland and coniferous woodland.	A family of wren was confirmed just within the southwest barn that is excluded by the site boundary. High frequency of singing recorded on site on multiple visits, particularly along the western section of central tree line and those parallel in the north field, along the far side of Berse Lane and in sections of trees close to the northwest barn and the southwest excluded barn.

5.0 Evaluation and Conclusions

- 5.1 Overall, the Scheme has been assessed as being of local significance for breeding birds.
- 5.2 Breeding bird surveys are considered valid for at least two years and potentially four years or more depending on the specific use of the data, local conditions and the potential impact predicted on breeding birds. When data is greater than two years old, advice should be sought from an appropriately experienced ecologist.

6.0 References

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Annex A: Desktop data

Desktop Bird Data

Protected and notable species records returned from COFNOD for the last 10 full years within 2km of the site are summarised below. The terms and conditions of this data state this data is valid until October 2025.

Notable Bird Species		
Species	Relevant Legislation/Status	Records
Avocet	WCA1, BAm GB	1
Barn Owl	WCA1	8
Barnacle Goose	BAm GB	1
Black-headed Gull	S7, BRd Wales, BAm GB	53
Brambling	WCA1, BAm Wales	10
Bullfinch	S41, S7, BAm Wales&GB	105
Cetti's Warbler	WCA1	8
Common Gull	BAm Wales&GB	8
Cuckoo	S41, S7, BRd Wales&GB	1
Curlew	S41, S7, BRd Wales&GB	2
Dipper	BAm	55
Dunnock	S41, S7, BAm Wales &GB	93
Fieldfare	WCA1, BRd GB, BAm Wales	16
Goshawk	WCA1, BAm Wales	1
Grasshopper Warbler	S41, S7, BRd Wales&GB	3
Great Black-backed Gull	BAm Wales&GB	2
Green Sandpiper	WCA1, BAm Wales&GB	6
Greenfinch	BRd Wales&GB	20
Grey Wagtail	BAm Wales&GB	123
Greylag Goose	BAm GB	14
Herring Gull	S41, S7, BRd Wales&GB	124
Hobby	WCA1	4
House Martin	BRd GB, BAm Wales	13
House Sparrow	S41, S7, BRd GB, BAm Wales	80
Kestrel	S7, BAm Wales&GB	9
Kingfisher	WCA1, BAm GB	36
Lapwing	S41, S7, BRd Wales&GB	11
Lesser Black-backed Gull	BRd Wales, BAm GB	47

Notable Bird Species		
Lesser Redpoll	S41, S7, BRd GB, BAm Wales	2
Lesser Spotted Woodpecker	S41, S7, BRd Wales&GB	1
Mallard	BAm GB	135
Marsh Harrier	WCA1, BAm Wales&GB	1
Meadow Pipit	BRd Wales, BAm GB	4
Merlin	WCA1, BRd GB, BAm Wales	1
Mistle Thrush	BRd GB, BAm Wales	48
Moorhen	BAm GB	98
Peregrine	WCA1	2
Pink-footed Goose	BAm GB	2
Pintail	BAm Wales&GB	2
Red Grouse	S41, S7, BRd Wales, BAm GB	1
Red Kite	WCA1	10
Redstart	BAm GB	6
Redwing	WCA1, BAm	73
Reed Bunting	S41, S7, BAm GB	34
Sedge Warbler	BAm GB	7
Shelduck	BRd Wales, BAm GB	4
Shoveler	BAm Wales&GB	4
Skylark	S41, S7, BRd GB, BAm Wales	1
Snipe	BAm Wales&GB	9
Song Thrush	S41, S7, BAm GB	97
Sparrowhawk	BAm GB	33
Spotted Flycatcher	S41, S7, BRd Wales&GB	3
Starling	S41, S7, BRd Wales&GB	33
Stock Dove	BAm GB	68
Swift	BRd Wales&GB	48
Tawny Owl	BAm GB	10
Teal	BAm Wales&GB	3
Tree Sparrow	S41, S7, BRd Wales&GB	1
Whinchat	BRd Wales&GB	1
Willow Warbler	BRd Wales, BAm GB	12
Woodcock	BRd Wales&GB	4
Woodpigeon	BAm GB	217

WCA1 = Schedule 1; S7 = Section 7; S41 = Section 41; BRd = BoCC Red List; BAm = BoCC Amber List;
LBAP = Local Biodiversity Action Plan

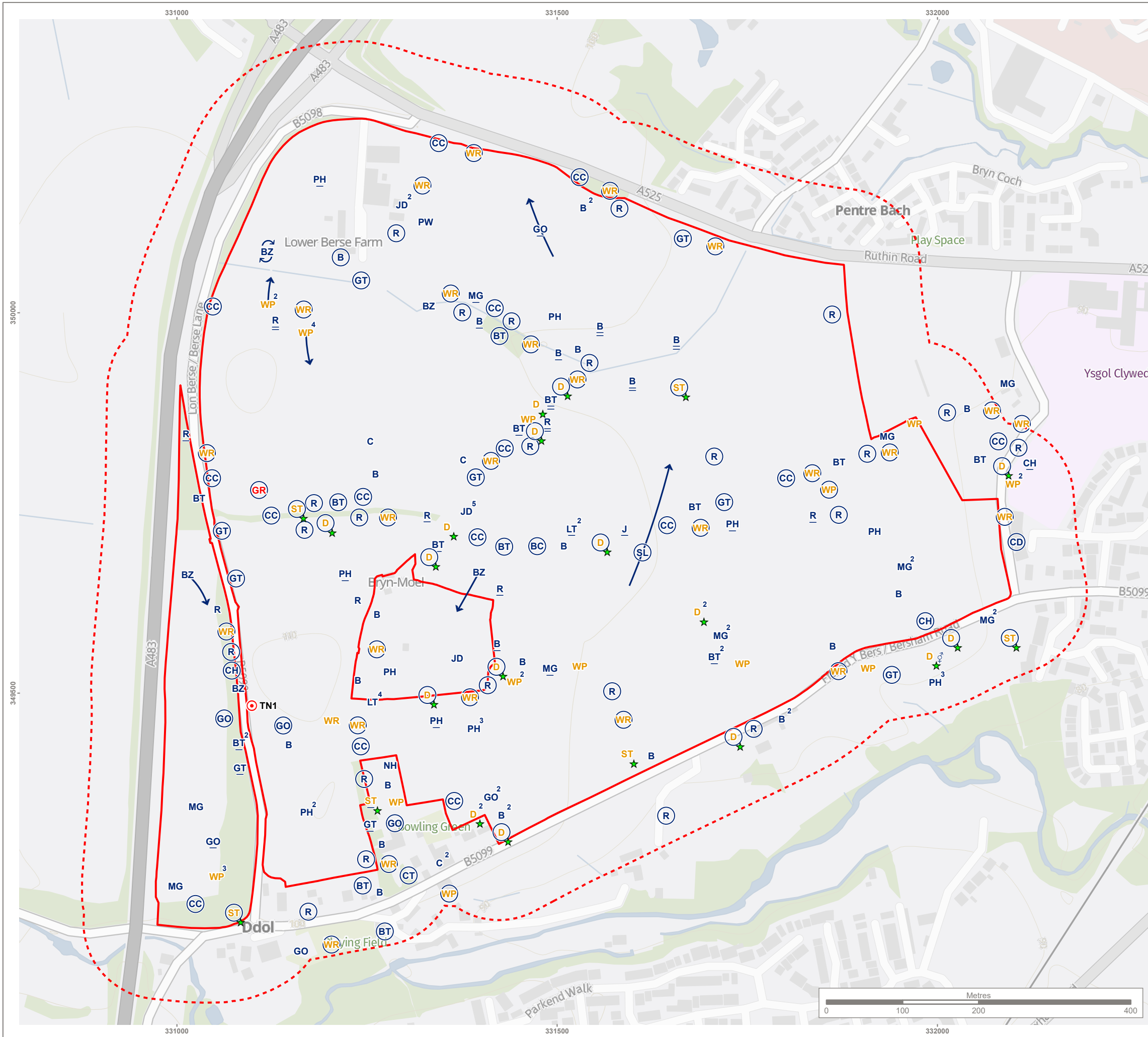
Drawings

G8745.035 Breeding Bird Survey - Visit 1 02.04.2025

G8745.036 Breeding Bird Survey - Visit 2 01.05.2025

G8745.037 Breeding Bird Survey - Visit 3 06.06.2025

G8745.038 Breeding Bird Survey - Visit 4 16.06.2025



KEY

- Site boundary
- Site boundary - 100m buffer
- Section 7 species
- Pair (male and female)
- Bird repeatedly giving alarm-calls/other vocalisations
- Bird calling
- Bird in song
- Bird circling or aerial foraging
- Target note
- Directional flight line

Species Codes

- | | | | |
|----|---------------|----|-----------------|
| B | Blackbird | J | Jay |
| BC | Blackcap | JD | Jackdaw |
| BT | Blue tit | LT | Long-tailed tit |
| BZ | Buzzard | MG | Magpie |
| C | Carrion crow | NH | Nuthatch |
| CC | Chiffchaff | PH | Pheasant |
| CD | Collared dove | PW | Pied wagtail |
| CH | Chaffinch | R | Robin |
| CT | Coal tit | SL | Swallow |
| D | Dunnock | ST | Song thrush |
| GO | Goldfinch | WP | Woodpigeon |
| GR | Greenfinch | WR | Wren |
| GT | Great tit | | |

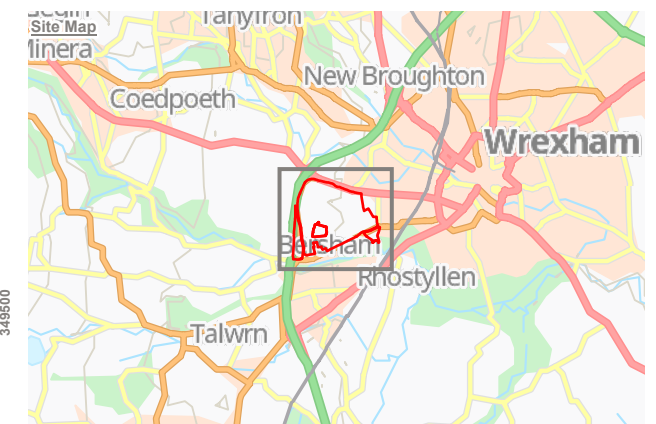
Target Note

TN1 BZ nest although likely last year. 2 BZ seen nearby.

Note:

Red Red List Species Amber Amber List Species

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Rev	Description	Drawn	Approved	Date



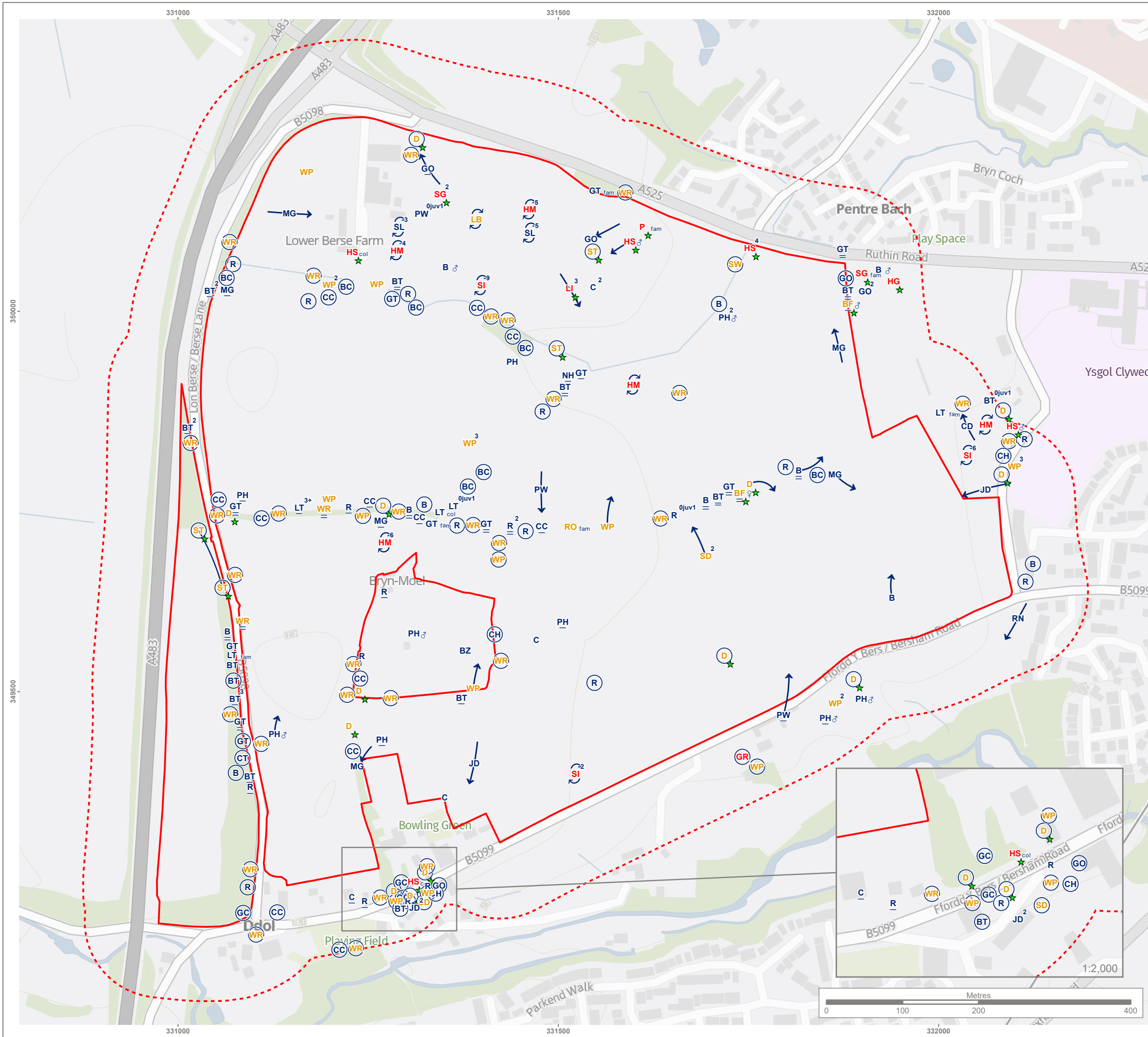
401 Faraday Street, Birchwood Park, Warrington, WA3 6GA
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project
Ruthin Road, Wrexham

Title
Breeding Bird Survey 2025
Visit 1 - 2nd April 2025

Drawing Number
G8745.035

Drawn	Checked	Approved	Scale	Date
AP	SP	MHS	1:5,000 @ A3	25/06/2025



KEY

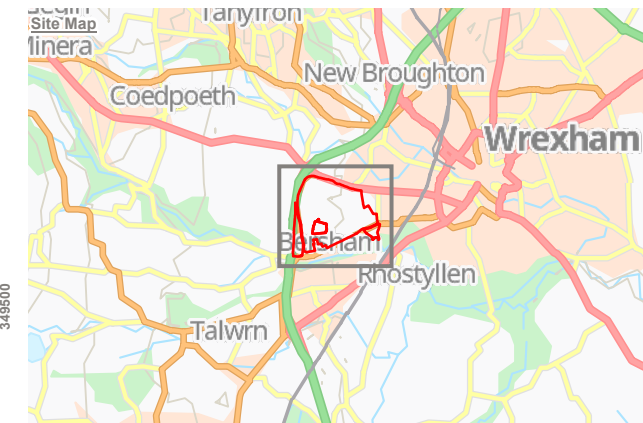
	Site boundary		Bird repeatedly giving alarm-calls/other vocalisations
	Site boundary - 100m buffer		Bird calling
	Section 7 species		Bird in song
	Female		Bird circling or aerial foraging
	Male		Directional flight line
	Colony of birds		Same bird
	Family group of birds		

Species Codes

B Blackbird	GR Greenfinch	PH Pheasant
BC Blackcap	GT Great tit	PW Pied wagtail
BF Bullfinch	HG Herring gull	R Robin
BT Blue tit	HM House martin	RN Raven
BZ Buzzard	HS House sparrow	RO Rook
C Carrion crow	JD Jackdaw	SD Stock dove
CC Chiffchaff	LB Lesser black-backed gull	SG Starling
CD Collared dove	LI Linnet	SI Swift
CH Chaffinch	LT Long-tailed tit	SL Swallow
CT Coal tit	MG Magpie	ST Song thrush
D Dunnock	NH Nuthatch	SW Sedge warbler
GC Goldcrest	P Grey partridge	WP Woodpigeon
GO Goldfinch		WR Wren

Note:
Red Red List Species **Amber** Amber List Species

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Rev	Description	Drawn	Approved	Date

TWP | **THE ENVIRONMENT PARTNERSHIP**

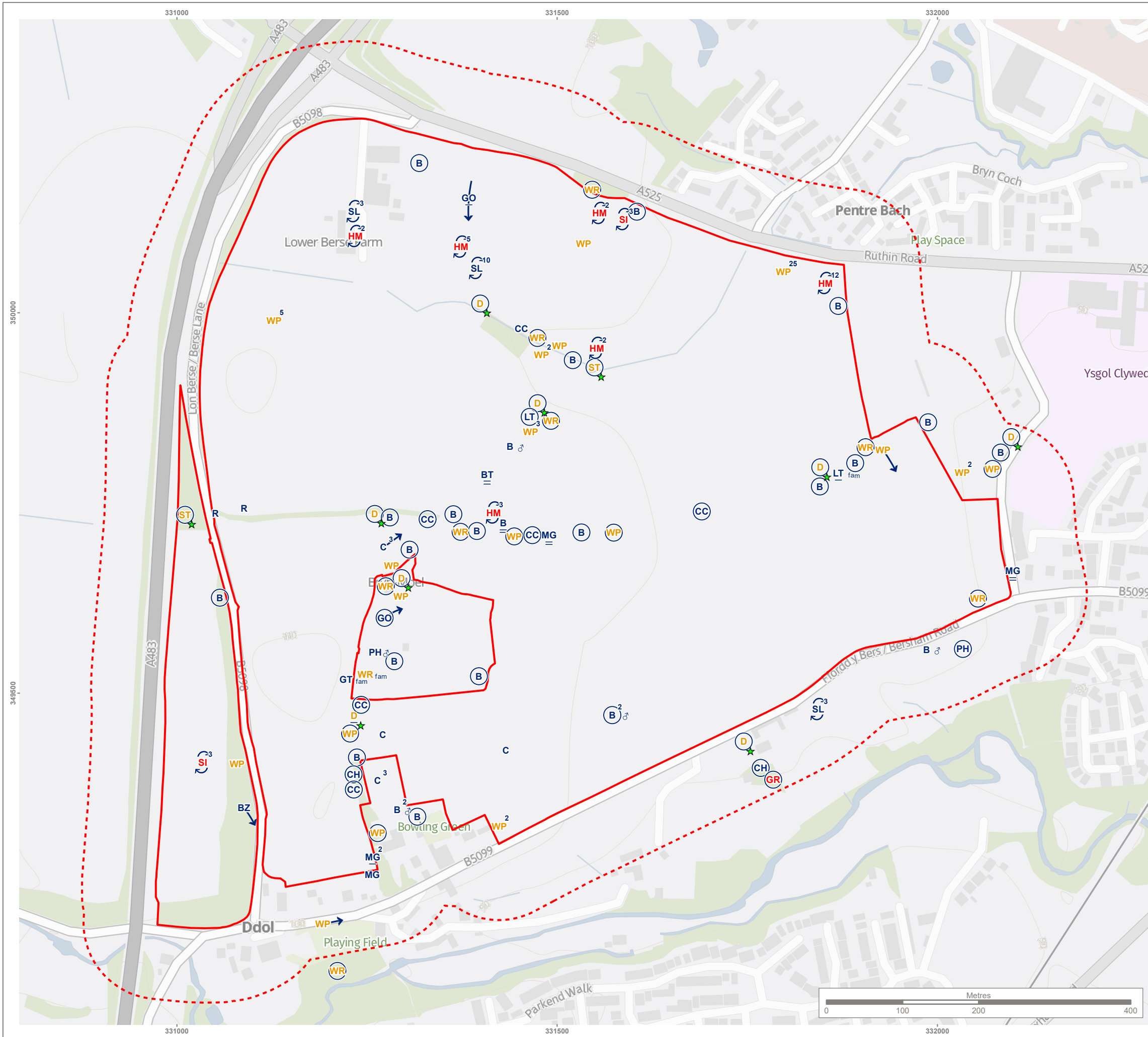
401 Faraday Street, Birchwood Park, Warrington, WA3 6GA
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Project
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Title
Breeding Bird Survey 2025
Visit 3 - 6th June 2025

Drawing Number
G8745.037

Drawn	Checked	Approved	Scale	Date
AP	SP	MHS	1:5,000 @ A3	27/06/2025



KEY

- Site boundary
- Site boundary - 100m buffer
- Section 7 species
- Male
- Family group of birds
- Bird repeatedly giving alarm-calls/other vocalisations
- Bird calling
- Bird in song
- Bird circling or aerial foraging
- Directional flight line

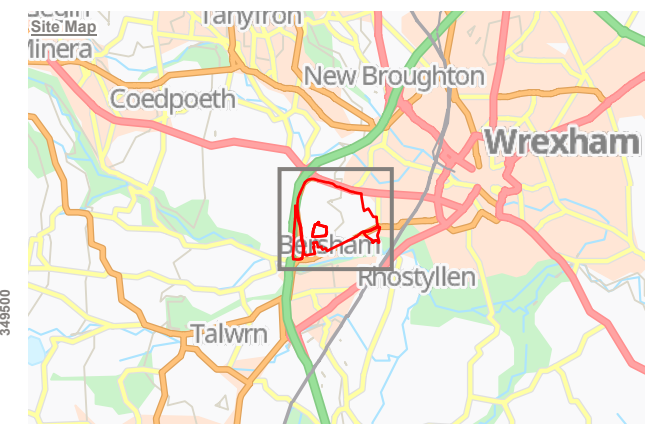
Species Codes

B	Blackbird	HM	House martin
BT	Blue tit	LT	Long-tailed tit
BZ	Buzzard	MG	Magpie
C	Carrion crow	PH	Pheasant
CC	Chiffchaff	R	Robin
CH	Chaffinch	SI	Swift
D	Dunnock	SL	Swallow
GO	Goldfinch	ST	Song thrush
GR	Greenfinch	WP	Woodpigeon
GT	Great tit	WR	Wren

Note:

Red Red List Species **Amber** Amber List Species

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Project
Ruthin Road, Wrexham

Title
Breeding Bird Survey 2025
Visit 4 - 16th June 2025

Drawing Number
G8745.038

Drawn	Checked	Approved	Scale	Date
AP	SP	MHS	1:5,000 @ A3	23/04/2025

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