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Land at Mold Road, Gwersyllt, Wrexham, LL11 4AX

BREEDING BIRD SURVEYS

Castle Green Homes

P.1626.22
August 2026

Ascerta
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Reference	Site	Client	Date
P.1626.22	Land at Mold Road, Gwersyllt, Wrexham, LL11 4AX	Castle Green Homes	12 August 2026

Field work	Document author(s)	Technical review	Quality & approval
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Revision	Date	Details	Name
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The report is issued in confidence and on the basis that the material will not enter the public domain.

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Executive Summary

Breeding bird surveys were carried out at Land at Mold Road, Gwersyllt, Wrexham, LL11 4AX on 11 March 2026, 14 April 2026, 30 April 2026, 5 June 2026, 3 July 2026 and 5 August 2026. The assessment comprised a desk study and biological records search, as well as a vantage point survey in order to map breeding bird activity on the site. The survey was extended to assess the potential for protected species to use the site. This assessment provides baseline data as to current site conditions and, where appropriate, allows recommendations to be made in respect of further potential work in order to satisfy current wildlife legislation.

UK BAP species herring gull, song thrush, house sparrow, starling, grasshopper warbler and house martin. The only species which was recorded in considerable number was starling, with the entirety of behaviour recorded being commuting, perching and occasional foraging within the site. No breeding from any of these BAP species was recorded within the site across the surveys conducted. It is unlikely that these species will be impacted by the proposals as similar commuting, resting and foraging habitat is present immediately south and east of the site, with more located southwest of the site across Mold Road.

One further red-listed bird species was observed during the surveys, this was greenfinch. This species was observed in very low numbers and is unlikely to be impacted by the proposals.

Low to High overall bird activity was recorded throughout the surveys. The majority of activity was commuting and perching from non-target, non-red-listed species, with no BAP/target species observed to be breeding within the site.

Should vegetation clearance be carried out within the nesting bird season (1 March to 31 August inclusive) a nesting bird check will be required by a suitably qualified ecologist to confirm no active nests are present.

Whilst there will be some loss of nesting and foraging habitats for species, primarily semi-improved grassland, this is considered to be limited due to other suitable grassland habitat remaining immediately south and east of the site as well as southwest across Mold Road. The site is also regularly managed as an agricultural field and has been ploughed/mown during the survey period rendering the habitat less suitable for ground nesting birds.

1. Introduction

Ascerta has been instructed by Castle Green Homes to carry out breeding bird surveys for Land at Mold Road, Gwersyllt, Wrexham LL11 4AX (hereafter referred to as the site). The site OS grid reference is SJ 32243 52552 and the What3Words reference is logo.loves.letter.

Breeding bird surveys were carried out by suitably qualified ecologists Jack Kay and David Scott on 11 March 2026, Rebecca Donnan on 15 April 2026, 5 June 2026 and 3 July and Jack Kay on 30 April 2026 and 5 August 2026.

The surveys followed the British Trust for Ornithology (BTO) survey guidance for breeding birds (Field & Gregory, 1999). The survey method was slightly adapted to follow a planned transect route with stop points around the full area of the site. Surveyors then listed all bird species observed during the surveys and flight lines were recorded. Bird species are listed using BTO coding.

This report presents the results of the surveys and includes recommendations for further actions where applicable in order to satisfy current wildlife legislation and in order to achieve our client's objectives.

2. Objectives

Our client's objectives are to establish ecological constraints to the development of the site.

Our objectives are as follows:

- Carry out breeding bird surveys within the site
- Identify designated sites within 15km of the site relevant to breeding birds
- Review protected species records within 2km of the site
- Provide recommendations that seek to enhance the ecological value of the site for non-breeding birds if relevant
- Provide recommendations to assist our clients in achieving their objectives whilst satisfying current wildlife legislation
- Provide enough information on bird use of the site to inform a Habitats Regulations Screening Report that the Local Authority will prepare as required

3. Relevant Legislation

The key UK legislation is the Wildlife and Countryside Act 1981 (as amended by the Countryside Rights of Way Act 2000) which consolidates and amends existing national legislation to implement the Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention) and Council Directive 79/409/EEC on the Conservation of Wild Birds (Birds Directive) in Great Britain. It is complemented by the Conservation of Habitats and Species Regulation 2010, which implements Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora (EC Habitats Directive). The regulations provide for the designation and protection of 'European sites', and the protection of 'European protected species'.

Another key piece of legislation relating to the site is the Planning Policy Wales (PPW) 2024 which combined with Technical Advice Notes (TANs), Welsh Government Circulars and policy clarification letters aimed to contribute towards the sustainable development and improvement of the social, economical and environmental well-being of Wales, as required and outlined within the Planning (Wales) Act 2015.

The National Planning Policy Framework

The National Planning Policy Framework (NPPF) 2025 has been published to provide further planning guidance. Wildlife, biodiversity and ecological networks are referred to in Section 15 *Conserving and enhancing the natural environment*. The NPPF states that the planning system should contribute to and enhance the natural and local environment by: recognising the wider benefits of ecosystem services, minimising impacts on biodiversity and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures. Further guidance is provided within Government Circular 06/05: Biodiversity and Geological Conservation – Statutory Obligations and Their Impact Within the Planning System.

Biodiversity action plan species

Background information about the lists of priority species (Species of Principal Importance) can be found within the UK Biodiversity Action Plan (UK BAP). Although this has been succeeded by the *UK Post-2010 Biodiversity Framework*, many of UK BAP tools are still relevant. BAPs identify habitats and species of nature conservation priority on a UK (UK BAP) and Local (LBAP) scale. Most BAP priority species have Species Action Plans (SAPs), and there are also 'grouped action plans' for groups of related species with similar conservation requirements. The LBAP relating to this site is the Nature Recovery Action Plan Wales.

Local legislation

The site lies within Wrexham County Borough Council and is covered by Wrexham Unitary Development Plan (adopted February 2005). Environment and Conservation Policies EC4 and EC6 are the policies of relevance here and have been taken into account when preparing this report.

4. Survey Method

4.1 Breeding Bird Survey

Record search

The local biological records centre COFNOD was consulted for records of birds within 2km of the site. The results are assessed within the Ecological Appraisal (*P.1626.22A Ascerta Preliminary Ecological Appraisal, The Land at Mold Road, Gwersyllt, Wrexham, LL11 4AX*) and should be read in conjunction with this report.

The BTO Birds of Conservation Concern (BoCC) was referenced to determine species of conservation concern (green/amber/red lists).

Vantage points

A vantage point (VP) survey method was used to determine bird activity on the site. As there are no formal methods available for non-breeding bird surveys in England for housing developments, the vantage point methods were adopted from the following sources:

- Scottish Natural Heritage (SNH) onshore wind farm survey guidance (SNH, 2014)
- Bird Census Techniques (Bibby et al., 2000)
- Bird Monitoring Methods (Gilbert et al., 2011)
- Measuring population changes from the Breeding Bird Survey (Field & Gregory, 1999)

Surveyors

The survey conducted on 11 March 2026 was carried out by Jack Kay and David Scott. The survey conducted on 15 April 2024, 5 June 2026 and 3 July 2026 were carried out by Rebecca Donnan. The surveys conducted on 30 April 2026 and 5 August 2026 were carried out by Jack Kay.

Timings and weather

The surveys were carried out in March, April, June, July and August 2026. At least six hours of surveying were undertaken per calendar month. Surveys were begun between 30 minutes before and 30 minutes after sunrise. Survey dates and times are presented within Table 5.2.

Surveys were undertaken in all weather conditions bar thick fog, extreme wind or persistent precipitation. Weather during surveys is presented in Table 5.2.

Equipment

10x42 Bushnell Birding Series binoculars.
8x30 Prinzlux coated optics.

Mapping

Bird flight lines were mapped on paper in the field. These were drawn on using QGIS software for the report as appropriate.

Target species

All bird species listed within Schedule 1 of the Wildlife and Countryside Act 1981 are considered target species due to their protection during breeding season. Bird species listed on the UK Biodiversity Action Plan relevant to the habitats present were prioritised. Other UK red-listed species were also recorded using QGIS.

4.2 Limitations

The number of surveying hours is not considered a limitation to the conclusions of the report as a total of 36 hours were undertaken at the site.

The survey was undertaken in suitable weather conditions at the appropriate time of year. There are no limitations that may affect the conclusions of the report.

5. Survey Results and Evaluation

5.1 Desk Study

The site does not fall within any statutory or non-statutory designated sites. The potential impacts of the proposals on statutory and non-statutory sites within the vicinity of the site are assessed within the Preliminary Ecological Appraisal and should be read in conjunction with this report (*P.1626.22A Ascerta Preliminary Ecological Appraisal, The Land at Mold Road, Gwersyllt, Wrexham, LL11 4AX*).

Table 5.1: Statutory sites, relevant to non-breeding bird surveys, that lie within 15km of the site

Statutory designated site	Reason for designation	Distance to proposed development
Midland meres & Mosses Phase 2 (Ramsar)	Designated for its marshland and standing water habitat. Also, for its bird, water vole and invertebrate populations.	1.6km northeast
Ruabon/Llantysilio mountains and minera (SSSI)	Actively managed as a grouse moor and a good assemblage of upland breeding bird species including merlin, short-eared owl, golden plover and ring ouzel.	5.6km west
River Dee (SSSI)	Wide range of breeding birds including kingfisher, dipper, and grey wagtail. Lower Dee floodplains.	7.8km East
Ifton Meadows (Local Nature Reserve) LRN	Important skylark breeding site.	14.5km south

5.2 Breeding Bird Survey

Survey Timings and Weather Conditions

Table 5.2: Breeding Bird Survey Times and Weather Conditions

Date	Sunrise	Start	End	Temperature (°c) start/end	Cloud Cover (0/8)	Wind (Beaufort Scale)	Precipitation
11/03/26	06:37	06:45	12:50	7/9	2/8	F1	0%
15/04/26	06:12	05:42	11:57	12/16	7/8	F1	0%
30/04/26	05:42	05:30	11:45	6/16	0/8	F0	0%
05/06/26	04:49	04:19	10:31	11/16	5/8	F0	0%
03/07/26	04:51	04:21	10:36	11/19	2/8	F0	0%
05/08/26	0535	05:10	11:25	15/17	3/8	F2	31%

5.3 Evaluation

BAP/Target bird species

The survey conducted on 11 March 2026 recorded song thrush (UK amber-listed) commuting, perching and calling at VP1, herring gull (UK red-listed) commuting at VP1, VP2 and VP4, house sparrow (UK red-listed) commuting, perching and calling at VP1 and VP2 (see drawing P.1626.22.E04, Appendix 1, for BAP/target species flight lines). The survey conducted on 15 April 2026 recorded herring gull (UK red-listed) commuting at VP1, VP2, VP3 and VP4, song thrush (UK amber-listed) commuting perching and calling at VP1 and VP3, Starling (UK red-listed) commuting, calling and perching at VP1, VP2, VP3 and VP4, and house sparrow (UK red-listed) commuting, perching and calling at VP2.

The survey conducted on 30 April 2026 recorded herring gull (UK red-listed) commuting at VP1 and VP3, song thrush (UK amber-listed) commuting, perching and calling at VP4, house sparrow (UK red-listed) commuting, perching and calling at VP1, starling (UK red-listed) commuting, resting, foraging and calling at VP1, VP2 and VP3 and grasshopper warbler (UK red-listed) commuting, perching and calling at VP4 (see drawing P.1626.22.E06, Appendix 1 for BAP/target species flight lines).

The survey conducted on 5 June 2026 recorded song thrush (UK red-listed) calling and commuting at VP1 and VP3, house martin (UK red-listed) calling, foraging and commuting at VP1, VP2 and VP4, house sparrow (UK red-listed) calling and commuting at VP1 and VP2, herring gull (UK red-listed) commuting at VP1 and VP3, starling (UK red-listed) commuting and calling at VP1, VP2 and VP3, and greenfinch (UK red-listed) calling at VP1, VP3 and VP4 (see drawing P.1626.22.E14, Appendix 1 for BAP/target species flight lines).

The survey conducted on 3 July 2026 recorded song thrush (UK red-listed) calling at VP1, house martin (UK red-listed) calling, foraging and commuting at VP3 and VP4, house sparrow (UK red-listed) calling, and commuting at VP1 and VP2, herring gull (UK red-listed) commuting at VP1, VP2 and starling (UK red-listed) commuting, resting, foraging and calling at VP1 and VP2 (see drawing P.1626.22.E15, Appendix 1 for BAP/target species flight lines).

The survey conducted on 5 August 2026 recorded herring gull (UK red-listed) commuting at VP1, VP2, VP3 and VP4 (see drawing P.1626.22.E16, Appendix 1 for BAP/target species flight lines).

Notable bird species

The survey conducted on 11 March 2026 recorded wren (UK amber-listed) commuting, perching and calling at VP1, VP2, VP3 and VP4, wood pigeon (UK amber-listed) commuting and perching at VP1, VP2, VP3 and VP4, meadow pipit (UK amber-listed) commuting, calling and foraging at VP1, black-headed gull (UK amber-listed) commuting at VP1, VP3 and VP4, greenfinch (UK red-listed) commuting, perching and calling at VP3 and VP4, lesser black-backed gull (UK amber-listed) commuting at VP3 and VP4, dunnoek (UK amber-listed) commuting, perching and calling at VP3 and VP4, mallard (UK amber-listed) commuting at VP3 and VP4 and moorhen (UK amber-listed) commuting and calling at VP3 and VP4 (see drawing P.1626.22.E04, Appendix 1, for red-listed species flight lines).

The survey conducted on 15 April 2026 recorded wren (UK amber-listed) commuting, calling and perching at VP1, VP2, VP3 and VP4, wood pigeon (UK amber-listed) commuting and perching at VP1, VP2, VP3 and VP4, Dunnock (UK amber-listed) calling and perching at VP3, mallard (UK amber-listed) commuting at VP1, lesser black-backed gull (UK amber-listed) commuting at VP1, VP2, VP3 and VP4 and black-headed gull (UK amber-listed) commuting at VP2.

The survey conducted on 30 April 2026 recorded wren (UK amber-listed) commuting, calling and perching at VP1, VP2, VP3 and VP4, wood pigeon (UK amber-listed) commuting and perching at VP1, VP2, VP3 and VP4, greenfinch (UK red-listed) commuting, perching and calling at VP3 and VP4, willow warbler (UK amber-listed) commuting, perching and calling at VP3 and VP4, dunnoek (UK amber-listed) commuting, calling and perching at VP3 and greylag goose (UK amber-listed) commuting at VP3 (see drawing P.1626.22.E06, Appendix 1, for red-listed species flight lines).

The survey conducted on 5 June 2026 recorded wren (UK amber-listed) commuting, calling and perching at VP1, VP2, VP3 and VP4, wood pigeon (UK amber-listed) commuting and perching at VP1, VP2, VP3 and VP4, dunnoek (UK amber-listed) commuting, calling and perching at VP2, VP3 and VP4, lesser black-backed gull (UK amber-listed) commuting at VP1, VP2, VP3 and VP4.

The survey conducted on 3 July 2026 recorded wren (UK amber-listed) commuting, calling and perching at VP1, VP2, VP3 and VP4, wood pigeon (UK amber-listed) commuting and perching at VP1, VP2, VP3 and VP4, dunnoek (UK amber-listed) commuting, calling and perching at VP2, VP3 and VP4, black-headed gull (UK amber-listed) commuting at VP2, mallard (UK amber-listed) commuting at VP3, VP4, greenfinch (UK red-listed) calling at VP1, VP2, VP3 and VP4 and lesser black-backed gull (UK amber-listed) commuting at VP1, VP2, VP3 and VP4 see drawing P.1626.22.E15, Appendix 1 for red-listed bird flight lines).

The survey conducted on the 5 August 2026 recorded wren (UK amber-listed) commuting, perching and calling at VP1, VP3 and VP4, willow warbler (UK amber-listed) commuting, perching and calling at VP2 and VP4, wood pigeon (UK amber-listed) commuting and perching at VP1, VP2, VP3 and VP4, black-headed gull (UK amber-listed) commuting at VP1, VP3 and VP4 and dunnoek (UK amber-listed) commuting and perching at VP2.

Other bird species

The survey conducted on 11 March 2026 also recorded chiffchaff, goldfinch, robin, pied wagtail, carrion crow, blackbird, blue tit, long-tailed tit, magpie, rook, great tit, jackdaw, coal tit, jay and buzzard.

The survey conducted on 15 April 2026 also recorded robin, pheasant, chiffchaff, jackdaw, carrion crow, blackbird, great tit, blue tit, goldfinch, black cap, Canada goose, swallow, buzzard, and magpie.

The survey conducted on 30 April 2026 also recorded robin, pheasant, chiffchaff, jackdaw, carrion crow, blackbird, great tit, blue tit, rock dove, goldfinch, blackcap, Canada goose, lesser whitethroat, chaffinch, jay, grey heron, swallow, great spotted woodpecker and buzzard.

The survey conducted on 5 June 2026 also recorded robin, pheasant, chiffchaff, jackdaw, carrion crow, blackbird, great tit, blue tit, goldfinch, black cap, Canada goose, swallow, buzzard, magpie.

They survey conducted on 3 July 2026 also recorded robin, pheasant, chiffchaff, jackdaw, carrion crow, blackbird, great tit, blue tit, long tailed tit, greater spotted woodpecker, goldfinch, black cap, Canada goose, swallow, buzzard, magpie.

The survey conducted on 5 August 2026 also recorded robin, carrion crow, magpie, rock dove, jackdaw, collared dove, blackbird, jay, goldfinch, blue tit, goldcrest, grey heron, swallow, coal tit and buzzard.

6. Conclusions and Recommendations

UK BAP species herring gull, song thrush, house sparrow, starling, grasshopper warbler and house martin. The only species which was recorded in considerable number was starling, with the entirety of behaviour recorded being commuting, perching and occasional foraging within the site. No breeding from any of these BAP species was recorded within the site across the surveys conducted. It is unlikely that these species will be impacted by the proposals as similar commuting, resting and foraging habitat is present immediately south and east of the site, with more located southwest of the site across Mold Road.

One further red-listed bird species was observed during the surveys, this was greenfinch. This species was observed in very low numbers and is unlikely to be impacted by the proposals.

Low to High overall bird activity was recorded throughout the surveys. The majority of activity was commuting and perching from non-target, non-red-listed species, with no BAP/target species observed to be breeding within the site.

Should vegetation clearance be carried out within the nesting bird season (1 March to 31 August inclusive) a nesting bird check will be required by a suitable qualified ecologist to confirm no active nests are present.

Whilst there will be some loss of nesting and foraging habitats for species, primarily semi-improved grassland, this is considered to be limited due to other suitable grassland habitat remaining immediately south and east of the site as well as southwest across Mold Road. The site is also regularly managed as an agricultural field and has been ploughed/mown during the survey period rendering the habitat less suitable for ground nesting birds.

7. References

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Appendix 1



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Key

- Survey area
- Flight Lines
- Vantage Points

British Trust of Ornithology (BTO) bird codes

HG - Herring gull
ST - Song thrush
GR - Greenfinch
HS - House sparrow

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PROJECT:
Land at Mold Road, Gwersyllt, Wrexham, LL13 4AX

DRAWING TITLE:
Breeding Bird Survey 11.03.26

SCALE: 1:1000	DRAWN BY: JK	DRAWING No: P.1626.22.E04
DATE: 12/03/2026	CHKD BY: LK	REV: -



Key

- Survey area
- Vantage Points
- 15.04.26 Flight Lines

British Trust of Ornithology (BTO) bird codes

HG - Herring gull
ST - Song thrush
SG - Starling
HS - House sparrow

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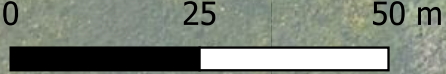
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PROJECT:
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Wrexham, LL13 4AX

DRAWING TITLE:
Breeding Bird Survey 11.03.26

SCALE: 1:1000	DRAWN BY: RD	DRAWING No: P.1626.22.E05
DATE: 16/04/2026	CHKD BY: LK	REV: -





Key

- Survey area
- Bird Flight Lines
- Vantage Points

British Trust of Ornithology (BTO) bird codes

HG - Herring gull
ST - Song thrush
GR - Greenfinch
HS - House sparrow
GH - Grasshopper warbler

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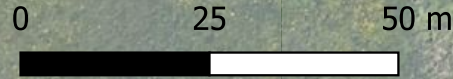
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PROJECT:
Land at Mold Road, Gwersyllt,
Wrexham, LL13 4AX

DRAWING TITLE:
Breeding Bird Survey 30.04.26

SCALE: 1:1000	DRAWN BY: JK	DRAWING No: P.1626.22.E06
DATE: 01/05/2026	CHKD BY: LK	REV: -





Legend

Survey area

Breeding Bird Surveys

● Vantage points

British Trust of Ornithology
(BTO) bird codes

HG - Herring gull
ST - Song thrush
SG - Starling
HM - House Martin
HS - House sparrow
GR - Greenfinch

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PROJECT:
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Wrexham, LL13 4AX

DRAWING TITLE:
Breeding Bird Survey 05.06.26

SCALE: 1:1000	DRAWN BY: RD	DRAWING No: P.1626.22.E14
DATE: 13/07/2026	CHKD BY: LK	REV: -



Legend

- Survey area
- 03.07.26 Flight Lines
- 03.07.26 Bird Sightings
- Vantage points

British Trust of Ornithology
(BTO) bird codes

- HG - Herring gull
- ST - Song thrush
- SG - Starling
- HM - House Martin
- HS - House sparrow
- GR - Greenfinch

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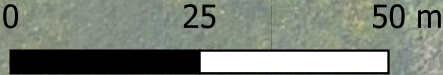
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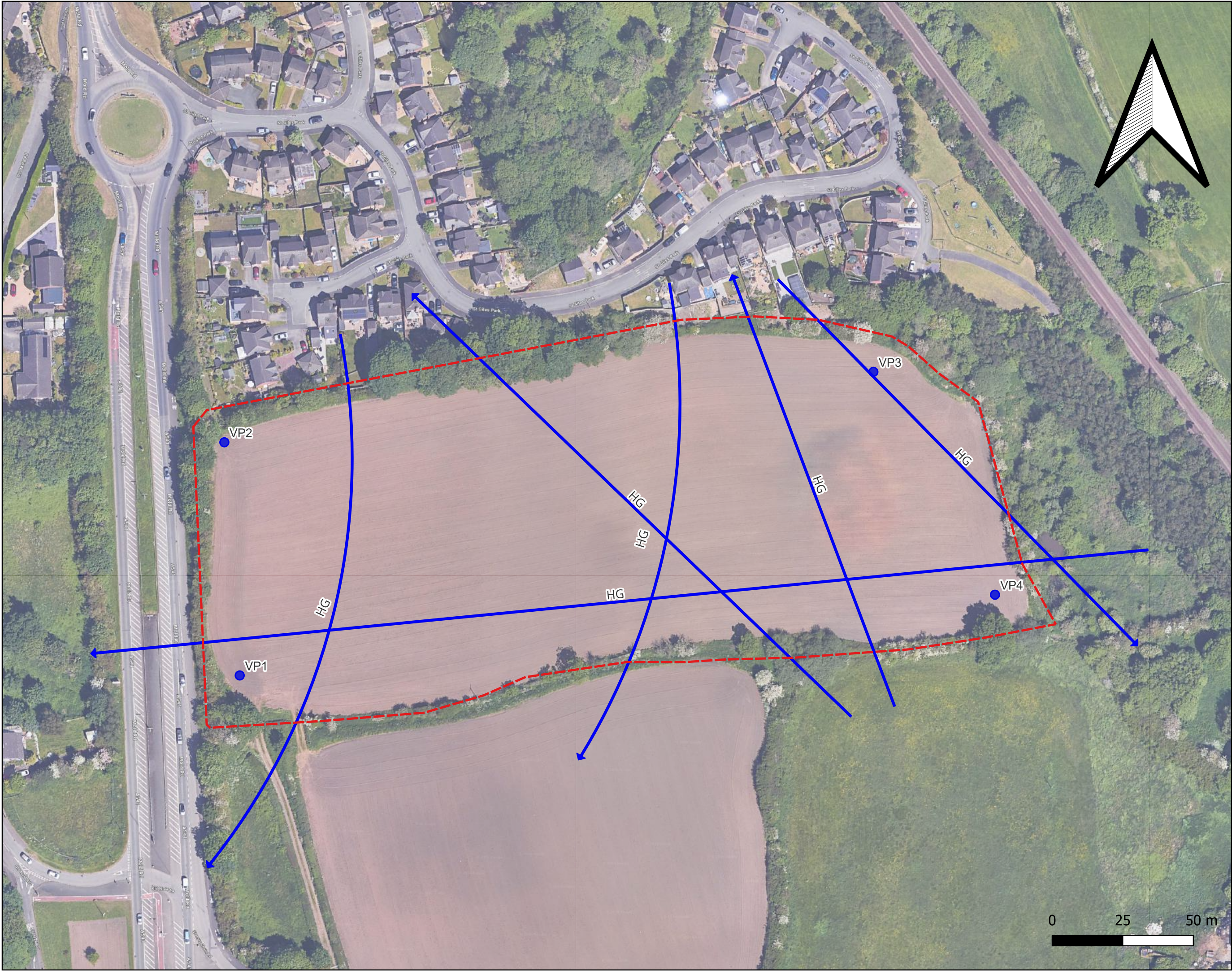
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PROJECT:
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DRAWING TITLE:
Breeding Bird Survey 03.07.26

SCALE:	DRAWN BY:	DRAWING No:
1:1000	RD	P.1626.22.E15
DATE:	CHKD BY:	REV:
13/07/2026	LK	-





Legend

- Survey area
- Bird Flight Lines
- Vantage points

British Trust of Ornithology
(BTO) bird codes

HG - Herring gull

DO NOT SCALE.
ALL COORDINATES RELATED TO LOCAL GRID.
LOCATED TO NG BY BEST FIT TO DETAIL.
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www.landscapetreeseecology.com

CLIENT:
Castle Green Homes

PROJECT:
Land at Mold Road, Gwersyllt,
Wrexham, LL11 4AX

DRAWING TITLE:
Breeding Bird Survey 05.08.26

SCALE:	DRAWN BY:	DRAWING No:
1:1200	JK	P.1626.22.E16
DATE:	CHKD BY:	REV:
06/08/2026	LK	-

Appendix 2



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Appendix 2: Bird Species

Bird species	Scientific name	11.03.26	15.04.26	30.04.26	05.06.26	03.07.26	05.08.26	Total
Blackbird	<i>Turdus merula</i>	27	20	47	45	7	9	155
Blackcap	<i>Sylvia atricapilla</i>		1	14	17	11		43
Black-headed gull	<i>Chroicocephalus ridibundus</i>	9	18			14	9	50
Blue Tit	<i>Cyanistes caeruleus</i>	56	17	16	36	21	5	151
Buzzard	<i>Buteo buteo</i>	1	1	1	3		1	7
Canada goose	<i>Branta canadensis</i>		2	2	28			32
Carrion Crow	<i>Corvus corone</i>	28	47	43	21	6	7	152
Chiffchaff	<i>Phylloscopus collybita</i>	17	8	33	23	12	1	94
Coal tit	<i>Periparus ater</i>	3			8		2	13
Collared dove	<i>Streptopelia decaocto</i>			2			2	4
Dunnock	<i>Prunella modularis</i>	8	2	1			1	12
Goldfinch	<i>Carduelis carduelis</i>	41	32	44	7	1	22	147
Grasshopper warbler	<i>Locustella naevia</i>			1				1
Great spotted woodpecker	<i>Dendrocopos major</i>			1	1	1	1	4
Great tit	<i>Parus major</i>	18	13	17	9	6		63
Greenfinch	<i>Carduelis chloris</i>	13		2	7	10		32
Goldfinch	<i>Carduelis carduelis</i>				40	15		55
Grey heron	<i>Ardea cinerea</i>			1			1	2
Herring gull	<i>Larus argentatus</i>	7	8	11	14	7	14	61
House sparrow	<i>Passer domesticus</i>	11	3	2	16	3		35
House Martin	<i>Delichon urbica</i>				11	16		27
Jackdaw	<i>Corvus monedula</i>	122	46	135	65	97	18	483
Jay	<i>Garrulus glandarius</i>	3		1			2	6

Bird species	Scientific name	11.03.26	15.04.26	30.04.26	05.06.26	03.07.26	05.08.26	Total
Lesser black-backed gull	<i>Larus fuscus</i>	24	10		55	28		117
Lesser whitethroat	<i>Sylvia curruca</i>			6				6
Long-tailed tit	<i>Aegithalos caudatus</i>	33			11	10		54
Magpie	<i>Pica pica</i>	27	3		16	4	8	58
Mallard	<i>Anas platyrhynchos</i>	8	2		1	11		22
Meadow pipit	<i>Anthus pratensis</i>	15						15
Moorhen	<i>Gallinula chloropus</i>	4						4
Pheasant	<i>Phasianus colchicus</i>			1	1			2
Pied wagtail	<i>Motacilla alba</i>	2						2
Robin	<i>Erithacus rubecula</i>	22	13	27	9	12	19	102
Rock dove	<i>Columba livia</i>			7			6	13
Rook	<i>Corvus frugilegus</i>	2						2
Song thrush	<i>Turdus philomelos</i>	3	5	3	8	3		22
Starling	<i>Sturnus vulgaris</i>		97	100	19	24		240
Swallow	<i>Hirundo rustica</i>		1	8	44	1	14	64
Tree creeper	<i>Certhia familiaris</i>					4		4
Willow warbler	<i>Phylloscopus trochilus</i>			11			5	16
Wood pigeon	<i>Columba palumbus</i>	111	75	94	57	33	69	439
Wren	<i>Troglodytes troglodytes</i>	22	10	31	12	9	13	97
Total		637	434	662	605	366	229	2908

Appendix 3

Date:	3rd July 2026
Site:	Mold Road
Surveyor:	Rebecca Dannon
Timings:	04:21 -> 10:36

VP1 04:21 -> 05:51
VP2 05:56 -> 07:26
VP3 07:31 -> 09:01
VP4 09:06 -> 10:36

Sunrise:	04:51
Sunset:	21:40

	Start Time	Finish Time
	04:21	10:36
Temperature:	11°	19°
Windspeed:	F0	F2
Wind Direction From:	-	west
Cloud Cover:	2/8	4/8
Visibility:	Clear	Clear
Precipitation:	0%	0%

VP4
wren II
Chiffchaff II
Blackcap III
wood pigeon III
Jackdaw III
House martin III
Green finch II
lesser Gull I
Robin II
magpie I
Blue tit I
H Gull I
longtailed tit III
Goldfinch III
Swallow I

Car and heavy machinery on site 07:52 till end of Dinnock I
Survey.

NOTES:

VP1	VP2	VP3
Chiffchaff III Wren III Robin III Song thrush II Jackdaw III Crow III wood pigeon III Black headed Gull III Black bird III lesser Gull III Greenfinch III Tree creeper II Blue tit III Herring gull III longtailed tit III Great tit II Starling III	Chiffchaff III Robin III Jackdaw III Goldfinch III House sparrow III wood pigeon III Blue tit III Great tit II Greenfinch III Crow I House martin III lesser Gull III GSW I longtailed tit III Blackcap I wren I	Chiffchaff III wood pigeon III Starling III Blackcap III magpie III Robin II wren II Greenfinch I Great tit II longtailed tit I Jackdaw III Blue tit III Black bird III goldfinch II H Gull II
		House Martin III lesser Gull III Mallard II



BY _____
kardor

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- Key**
- Survey area
 - Flight Lines
 - Vantage Points
- British Trust of Ornithology (BTO) bird codes
- HG - Herring gull
 - ST - Song Thrush
 - GR - Greenfinch
 - HS - House sparrow

Client	Cambridge Science Centre
Project	Cambridge Science Centre
Location	Level 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Scale	1:1000
Author	ASCERTA
Version	1.0





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Date:	5 th June 2026
Site:	Mold Road
Surveyor:	Rebecca Dorman
Timings:	

VP1 04:19 → 05:49 ✓
VP2 05:53 → 07:23 ✓
VP3 07:28 → 08:57 ✓
VP4 09:01 → 10:31 ✓

Sunrise:	04:49
Sunset:	21:32

note Grass has been cut since last survey.
Crows carrying nesting materials

	Start Time 04:19	Finish Time 10:31
Temperature:	11°	16°
Windspeed:	F ₀	F ₁
Wind Direction From:	-	-
Cloud Cover:	5/8	4/8
Visibility:	Clear	Clear
Precipitation:	None	none

VP4
Blue tit 11111
wood pigeon 11111
chiffchaff 111
Jackdaw 1111111
Great tit 111
Robin 11
Blackbird 11111
Swift 1111111111111111
wren 111
lesser Gull 1111
Song thrush 1
Crow 111
Blackcap 1111
Dunnock 1
Green finch 1
Gold finch 11111

Domestic cat 1
Rabbit 11
Domestic Dog 1

NOTES:

VP1

Chiffchaff 11111
wren 1111
Blackbird 11111111111
lesser Gull 1111111111111111
Robin 11111
Crow 1111111
magpie 1111111
Blackcap 1111111
Jackdaw 11111111111
Song thrush 1111

VP2

Crow 111
wood pigeon 1111111
House sparrow 11111111111
Blackbird 1111111
wren 111
long tailed tit 11111
Blue tit 11111111111
Jackdaw 11111111111
magpie 111
Gold finch 1111111
chiffchaff 1111
Great spot woodpecker 1

VP3

woodpigeon 1111111111111111
lesser gull 1111111111111111
Blackbird 1111111111111111
chiffchaff 1111111111111111
Blue tit 1111111111111111
Dunnock 1111111111111111
Jackdaw 1111111111111111
Crow 1111111111111111
Gold finch 1111111111111111
magpie 1111111111111111
Blue tit 1111111111111111
Robin 1111111111111111
wren 1111111111111111
Great tit 1111111111111111
Blackcap 1111111111111111
Green finch 1111111111111111
long tailed tit 1111111111111111
House martin 1111111111111111
Starling 1111111111111111
Swift 1111111111111111

wood Pigeon 1111111111111111

Coal tit 1111111111111111
Dunnock 1111111111111111

H Gull 1111111111111111
Buzard 1111111111111111

Doc 113 Bird Results Survey Table

Blue tit 1111111111111111
Green finch 1111111111111111

Dunnock 1111111111111111

Robin 1111111111111111
Starling 1111111111111111

Coal tit 1111111111111111
Great tit 1111111111111111

lesser Gull 1111111111111111
Buzard 1111111111111111

Ecology Templates Survey Forms



Vantage point	Time	Target Note No.	Number of Birds	Bird Species	Activity	Flight Direction to	Flight Height M
VP1	0430	1	1	Song thrush	Calling	-	-
	0431	2	1	Song thrush	Calling	-	-
	0433	1	1	Song thrush	Calling	-	-
	0434	3	1	Song thrush	Calling	-	-
	0437	3	1	Song thrush	Calling	-	-
	0443	"	"	"	"	-	-
	0458	4	1	H Gull	Commuting	W	10
	0500	5	1	H Gull	"	"	"
	0501	1	1	Song Thrush	Calling	-	-
	0503	4	2	H Gull	Commuting	S	10
	0505	5	1	H Gull	Commuting	S	10
	0512	6	2	Green finch	Calling	-	-
	0517	7	2	Greenfinch	Commuting	-	-
	0530	8+10	3	H Gull	Commuting	-	-
	0531	9	2	Greenfinch	"	-	-
	0533	8	5	H Gull	"	-	-
	0539	"	1	Starling	Commuting	-	-
	0541	9	1	H Gull	"	W	10
	0547	12	3	Starling	"	-	-
VP2	0555	13	2	House sparrow	" calling	-	-
	0605	14	2	House sparrow	"	-	-
	0614	13	2	House sparrow	"	-	-
	0618	15	1	House martin	"	-	-
	0625	16	6	Starling	"	-	-
	0627	14	3	House sparrow	"	-	-
	0633	17	1	House Martin	"	-	-
	0637	18	5	House sparrow	"	-	-
	0646	19	2	House martin	"	-	-

Doc.113/Bird Results Survey Table



Date:	05/08/26
Site:	Mold Rd
Surveyor:	SK
Timings:	05:10 - 11:25

VP4 - 05:10 - 06:40
 VP3 - 06:45 - 08:15
 VP2 - 08:20 - 09:50
 VP1 - 09:55 - 11:25

Sunrise:	05:35
Sunset:	21:00

— Plant work begun
 onsite @ 08:45.

	Start Time	Finish Time
Temperature:	15°C	17°C
Windspeed:	F0	F2
Wind Direction From:	W	W
Cloud Cover:	3/8	2/8
Visibility:	clear	clear
Precipitation:	9%	31%

NOTES:			
VP4	VP3	VP2	VP1
Wren: 11111111	Bt.t: 1111	Goldfinch: 1111	Robin: 1111
Robin: 1111	Widgeon: 111111111111	Crow: 1	Goldfinch: 11111111
Widgeon: 11	Goldfinch: 1111	Widgeon: 11111111	Widgeon: 1
Hgull: 1111	Song: 11	Hgull: 1111	Widgeon: 1111111111
Widgeon: 111111111111	BHgull: 1111	Robin: 11	Song: 111
Crow: 11	Robin: 1111	Swallow: 11	Blackbird: 11
Magpie: 1	Blackbird: 111	Ct.t: 11	Wren: 1
Raven: 1111	Gheron: 1	Doves: 1	BHgull: 1111
Swallow: 1111	Magpie: 1111	Blackbird: 1	Swallow: 1111
Corvo: 1	Song: 11	Goldfinch: 111	Bt.t: 111
BHgull: 111	Hgull: 111	Raven: 1	Ct.t: 111
Blackbird: 1	Swallow: 111	Wren: 1	Robin: 1
Bt.t: 11	Swallow: 111	Magpie: 1	Buzzard: 1
Song: 1	Wren: 11	Bt.t: 1	
Goldfinch: 111	Crow: 1111		



S: Templates\Ecology Templates\Survey Forms

Legend

- Survey area
- Breeding Bird Surveys
- 03.07.26 Flight Lines
- 03.07.26 Bird Sightings
- Vantage points

British Trust of Ornithology (BTO) bird codes

HG - Herring gull
 ST - Song thrush
 SG - Starling
 HM - House Martin
 HS - House sparrow
 GR - Greenfinch

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 Wrexham, LL13 4AX

DRAWING TITLE:
 Breeding Bird Survey 03.07.26

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	REV:
1:1000	RD	RD	13/07/2026	UK



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VF1-06:45-09:45
VF2-09:50-12:50
VF3(DS)-06:45-09:45
VF4(DS)-09:50-12:50

-Light rain @ 08:00
Unk. l 08:18.

NOTES:

[illegible]

[illegible]

Key

- Survey area
- Vantage Points

British Trust of Ornithology
(BTO) bird codes

HG - Herring gull
ST - Song thrush
WT - Willow tit
GR - Greenfinch
LR - Lesser redpoll

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PROJECT:
Land at Mold Road, Gwersyllt,
Wrexham, LL13 4AX

DRAWING TITLE:
Wintering Bird Survey 25.02.26

SCALE:	DRAWN BY:	DATE:	CHKD BY:	REV:
1:1000	JR	P 1026.22.503		





Date:	
Site:	
Surveyor:	
Timings:	

Sunrise:	
Sunset:	

	Start Time	Finish Time
Temperature:		
Windspeed:		
Wind Direction From:		
Cloud Cover:		
Visibility:		
Precipitation:		

NOTES: Rain 8:10-8:19	
VP3:	VP4:
Wood pigeon: IIII IIII IIII CarCrew: II	Blue tit: IIII IIII IIII IIII Buzzard: I
Robin: IIII	Wren: IIII Herring gull: IIII
Jackdaw: IIII IIII IIII IIII Jay: I	
Greenfinch: II	
Great tit: IIII IIII	
Wren: IIII	
Maggie: IIII IIII	
Blue tit: IIII IIII IIII	
Blackbird: IIII IIII	
Chiffchaff: IIII	
Large black-backed gull: IIII IIII IIII	
Dunrook: IIII	
Coal tit: II	
Jay: II	
Long tailed tit: IIII	
Doc.113/Bird Results Survey Table	
Black headed gull: IIII	
Mallard: II	
Magpie: II	

Blue tit: IIII IIII IIII IIII	Buzzard: I
Wren: IIII	Herring gull: IIII
Dunrook: IIII	Jay: I
Greenfinch: IIII IIII	
Jackdaw: IIII IIII IIII IIII IIII	
Maggie: IIII IIII	
Wood pigeon: IIII IIII IIII IIII IIII	
Robin: IIII	
Great tit: IIII	
Chiffchaff: IIII	
CarCrew: IIII	
Black headed gull: IIII	
Goldfinch: IIII IIII	
Blackbird: I	
Long tailed tit: IIII IIII IIII	
Magpie: II	
Large black-headed gull: IIII IIII	
Mallard: IIII	

[illegible]

Key



British Trust of Ornithology
(BTO) bird codes

HG - Herring gull
ST - Song thrush
WT - Willow tit
GR - Greenfinch
LR - Lesser redpoll



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PROJECT:
Land at Mold Road, Gwersyllt,
Wrexham, LL13 4AX

DRAWING TITLE:
Wintering Bird Survey 25.02.26

SCALE:	DRAWN BY:	DRAWING NO:
1:1000	JK	P1626.22.E03
DATE:	CHECK BY:	REV:
04/03/2026	LK	-



Date:	30/04/26
Site:	Mold Rd
Surveyor:	JH
Timings:	05:30 - 11:45

VP1 - 05:30 - 07:00
VP2 - 07:05 - 08:35
VP3 - 08:40 - 10:10
VP4 - 10:15 - 11:45

Sunrise:	05:42
Sunset:	20:38

- Nest noted in trees
along east/south
boundary.

	Start Time	Finish Time
Temperature:	6°C	16
Windspeed:	FO	FO
Wind Direction From:	SE	SE
Cloud Cover:	0/8	0/8
Visibility:	clear	clear
Precipitation:	0%	0%

NOTES:

VP1	VP2	VP3	VP4
Rob n: IIII Wren: IIII Wpigeon: IIII Chiffchaff: I Chiffchaff: IIII Hgull: IIII Sockdow: IIII Crow: IIII Blackbird: IIII Fk: IIII Bt: IIII Rdove: II H: II Goldfinch: II	Wren: IIII Sockdow: IIII Chiffchaff: IIII Crow: IIII Robin: IIII Goldfinch: IIII Wpigeon: IIII Blackbird: IIII Bt: IIII Chiffchaff: IIII Rdove: II Blackbird: IIII Rdove: II Goldfinch: II	Blackbird: IIII Wpigeon: IIII Chiffchaff: IIII Greenfinch: I Wren: IIII Sockdow: IIII Wpigeon: IIII Goldfinch: IIII Sockdow: IIII Wren: IIII Chiffchaff: IIII Blackbird: IIII Rdove: IIII Greylaggoose: II Crow: IIII Starling: IIII Robin: IIII Bt: IIII Goldfinch: IIII Jay: I Green: I Hgull: IIII Swallow: IIII	Blackbird: IIII Chiffchaff: IIII Greenfinch: I Sockdow: IIII Robin: IIII Goldfinch: IIII Sockdow: IIII Wren: IIII Wpigeon: IIII Wren: IIII Blackbird: IIII Buzzard: I Bt: IIII Chiffchaff: II Greenfinch: I Swallow: IIII Crow: IIII White-throat: IIII



Vantage point	Time	Target Note No.	Number of Birds	Bird Species	Activity	Flight Direction to	Flight Height M
VP1	05:30		2	Herring gull	Flight	W	20m
	05:39		3	" "	" "	N	15m
	06:03		1	starling	Flight/rest	SE	12m
	06:09		2	Herring gull	Flight	SW	15m
	06:22		2	House sparrow	Flight/rest	E	3m
	06:30		3	starling	" "	N	15m
	06:35		5	" "	" "	N	15m
VP2	07:06		3	" "	" "	NW	10m
	07:10		2	" "	" "	NW	5m
	07:21		3	" "	Flight	NW	5m
	07:22		2	Herring gull	" "	SE	15m
	07:25		5	starling	Flight/rest	S	5m
	07:27		4	" "	Flight/rest/forage	S	2m
	07:33		6	" "	" "	SW	2m
	07:54		30	" "	Forage/rest		2m
VP3	08:40		1	Greenfinch	Call/light/rest		3m
	08:48		1	starling	Flight/rest	SW	3m
	08:51		3	" "	" "		5m
	08:58		1	starling	Flight	SW	8m
	09:01		1	Herring gull	" "	N	15m
	09:03		6	starling	" "	N	10m
	09:05		3	Herring gull	" "	N	20m
	09:05		2	starling	Flight/rest	NE	5m
	09:08		5	" "	Flight	S	10m
	09:19		18	" "	" "		15m
	09:39		2	" "	" "		10m
	09:47		1	Grasshopper Wren	Call/perch/sight	SE	2m
VP4	10:16		1	Song thrush	Flight/perch	W	3m
	10:18		2	" "	" "	E	2m
	10:33		1	Greenfinch	Flight/perch/call	W	3m

Key

- ▬ Survey area
- Vantage Points
- 15.04.26 Flight Lines

British Trust of Ornithology
(BTO) bird codes

- HG - Herring gull
- ST - Song thrush
- SG - Starling
- HS - House sparrow



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DRAWING TITLE:
Breeding Bird Survey 11.03.26

SCALE:	DRAWN BY:	DRAWING No:
1:1000	RD	P 1020 22 E05
DATE:	CHECKED BY:	REV:
16.04.2026	LK	

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