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Key

- Site Boundary
- Low Bat Roosting Potential
- Moderate Bat Roosting Potential



client
Wain Estates

project
**Land North of Wilderness Lane,
Great Barr, Birmingham**

drawing title
BAT POTENTIAL TREE ASSESSMENT PLAN

scale
1:3,000

drawing / figure number
Figure 4

drawn
NG / HEH

issue date
1/9/2023



Date	30.05.23
Start Time	21:20
End Time	23:20
Sunset	21:20
Start Temp	13
End Temp	11
Wind	2
Rain	0
Cloud %	100

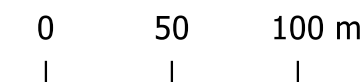
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Key:

- Site Boundary
- Point Count Locations
- Transect Route
- Start point
- Finish point
- Common Pipistrelle
- Soprano Pipistrelle
- Brown Long-eared
- ★ Static locations

REF.	Time	Species Name	Passes	Behaviour
1	21:48	Common Pipistrelle	Continuous	Foraging
2	21:48	Soprano Pipistrelle	Continuous	Foraging
PC C	21:49 - 21:54	No bats		
3	21:57	Common Pipistrelle	4	Foraging
PC B	22:02 - 22:07	Ref. 4		
4	22:02	Common Pipistrelle	1	Commuting
5	22:08	Common Pipistrelle	Continuous	Foraging
6	22:16	Common Pipistrelle	1	Commuting
7	22:17	Common Pipistrelle	1	Commuting
PC D	22:19 - 22:24	Ref. 8		
8	22:21	Common Pipistrelle	1	Commuting
9	22:29	Brown Long-eared	2	Commuting
PC E	22:30 - 22:35	Ref. 10		
10	22:32	Common Pipistrelle	2	Commuting
PC F	22:49 - 22:54	No bats		
11	22:56	Common Pipistrelle	Continuous	Foraging
12	23:03	Common Pipistrelle	1	Commuting
PC G	23:05 - 23:10	No bats		
PC H	23:16 - 23:21	Ref. 13		
13	23:19	Common Pipistrelle	1	Commuting
14	23:25	Common Pipistrelle	1	Commuting



client
Wain Estates

project
Land North of Wilderness Lane,
Great Barr, Birmingham

drawing title
**BAT TRANSECT PLAN NORTHERN ROUTE
(30.05.23)**

scale @ A3
1:3,000

drawn
NG / HEH

issue date
1/9/2023

drawing / figure number
Figure 5

rev
-



Date	30.05.23
Start Time	21:20
End Time	23:20
Sunset	21:20
Start Temp	13
End Temp	11
Wind	2
Rain	0
Cloud %	100

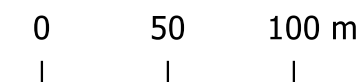
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Key:

- Site Boundary
- Point Count Locations South
- Transect Route South
- Start point
- Common Pipistrelle
- Soprano Pipistrelle
- ★ Static locations
- Finish point

REF.	Time	Species Name	Passes	Behaviour
1	21:49	Common Pipistrelle	Continuous	Foraging
PC A	21:52 - 21:56	Ref. 2		
2	21:53	Soprano Pipistrelle	Continuous	Foraging
3	21:58	Common Pipistrelle	Continuous	Foraging
4	22:00	Soprano Pipistrelle	4	Foraging
PC B	22:01 - 22:06	Ref. 5		
5	22:02	Soprano Pipistrelle	Continuous	Foraging
PC C	22:12 - 22:17	Ref. 6,7		
6	22:15	Soprano Pipistrelle	4	Foraging
7	22:17	Common Pipistrelle	1	Commuting
8	22:17	Soprano Pipistrelle	1	Commuting
9	22:21	Common Pipistrelle	1	Commuting
10	22:25	Common Pipistrelle	Continuous	Foraging
PC D	22:26 - 22:31	Ref. 11		
11	22:28	Soprano Pipistrelle	3	Foraging
12	22:36	Common Pipistrelle	1	Commuting
PC E	22:40 - 22:45	No Bats		
13	22:47	Common Pipistrelle	Continuous	Foraging
PC F	22:54 - 22:59	Ref. 14,15,16		
14	22:54	Soprano Pipistrelle	1	Commuting
15	22:54	Common Pipistrelle	Continuous	Foraging
16	22:58	Common Pipistrelle	Continuous	Foraging
17	23:04	Common Pipistrelle	Continuous	Foraging
PC G	23:12 - 23:17	Ref. 18,19		
18	23:13	Common Pipistrelle	3	Foraging
19	23:16	Common Pipistrelle	1	Commuting
20	23:19	Common Pipistrelle	Continuous	Foraging



client
Wain Estates

project
Land North of Wilderness Lane,
Great Barr, Birmingham

drawing title
**BAT TRANSECT PLAN SOUTHERN ROUTE
(30.05.23)**

scale @ A3
1:3,000

drawn
NG / HEH

issue date
1/9/2023

drawing / figure number
Figure 6

rev
-



Date	03.08.23
Start Time	20:57
End Time	23:00
Sunset	20:57
Start Temp	16
End Temp	13
Wind	3
Rain	0
Cloud %	5

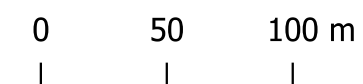
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Key:

- Site Boundary
- Point Count Locations
- Transect Route
- Start point
- Finish point
- Common Pipistrelle
- Soprano Pipistrelle
- ▼ Noctule
- ★ Static locations

REF.	Time	Species Name	Passes	Behaviour
PC D	21:04-21:07	No bats		
PC E	21:16-21:19	Ref. 1		
1	21:18	Noctule	1	Commuting
2	21:22	Noctule	1	Commuting
PC F	21:28-21:31	No bats		
3	21:35	Common Pipistrelle	1	Commuting
4	21:36	Common Pipistrelle	5	Foraging
5	21:40	Soprano Pipistrelle	1	Commuting
PC G	21:42-21:45	Ref. 6		
6	21:43	Common Pipistrelle	2	Foraging
7	21:54	Common Pipistrelle	1	Commuting
PC H	21:56-21:59	No bats		
8	22:07	Common Pipistrelle	1	Commuting
PC I	22:12-22:15	No bats		
PC J	22:27-22:30	No bats		
PC K	22:37-22:40	No bats		
PC A	22:42-22:45	No bats		
PC B	22:48-22:51	No bats		
PC C	22:56-22:59	Ref. 9		
9	22:58	Common Pipistrelle	1	Commuting



Client: Wain Estates
 Project: Land North of Wilderness Lane, Great Barr, Birmingham
 Drawing title: BAT TRANSECT PLAN NORTHERN ROUTE (03.08.23)
 Scale: A3 1:3,000
 Drawn: NG / HEH
 Issue date: 1/9/2023
 Drawing / figure number: **Figure 7**
 Rev: -



Date	03.08.23
Start Time	20:57
End Time	23:00
Sunset	20:57
Start Temp	16
End Temp	13
Wind	3
Rain	0
Cloud %	5

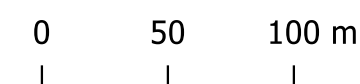
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Key:

- Site Boundary
- Point Count Locations
- Transect Route
- Start point
- Finish point
- Common Pipistrelle
- Soprano Pipistrelle
- ▼ Noctule
- ★ Static locations

REF.	Time	Species Name	Passes	Behaviour
PC D	21:02-21:05	No bats		
PC E	21:11-21:14	No bats		
PC F	21:21-21:24	Ref. 1		
1	21:21	Noctule	1	Commuting
2	21:28	Common pipistrelle	Continuous	Foraging
PC G	21:32-21:35	Ref. 3		
3	21:34	Soprano pipistrelle	1	Commuting
4	21:36	Common pipistrelle	3	Foraging
5	21:39	Common pipistrelle	Continuous	Foraging
PC I	21:44-21:47	No bats		
6	21:51	Common pipistrelle	Continuous	Foraging
PC J	22:05-22:08	No bats		
7	22:09	Common pipistrelle	1	Commuting
8	22:16	Common pipistrelle	Continuous	Foraging
9	22:18	Common pipistrelle	Continuous	Foraging
PC K	22:22-22:25	Ref. 10, 11		
10	22:22	Common pipistrelle	3	Foraging
11	22:24	Common pipistrelle	2	Foraging
12	22:26	Common pipistrelle	2	Foraging
13	22:34	Common pipistrelle	1	Commuting
14	22:38	Common pipistrelle	1	Commuting
PC A	22:39-22:42	Ref. 15		
15	22:40	Common pipistrelle	1	Commuting
16	22:43	Common pipistrelle	3	Foraging
PC B	22:48-22:51	Ref. 17		
17	22:48	Common pipistrelle	3	Foraging
18	22:53	Common pipistrelle	4	Foraging
PC C	22:54-22:57	No bats		



client
Wain Estates

project
Land North of Wilderness Lane,
Great Barr, Birmingham

drawing title
BAT TRANSECT PLAN SOUTHERN ROUTE
(03.08.23)

scale @ A3
1:3,000

drawn
NG / HEH

issue date
1/9/2023

drawing / figure number
Figure 8

rev
-



Date	26.09.23
Start Time	18:57
End Time	20:57
Sunset	18:57
Start Temp	16
End Temp	14
Wind	3
Rain	0
Cloud %	90

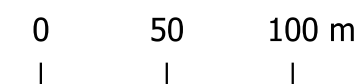
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Key:

- Site Boundary
- Point Count Locations
- Transect Route
- Start point
- Finish point
- Common Pipistrelle
- Soprano Pipistrelle
- Noctule
- ★ Static Locations

REF.	Time	Species Name	Passes	Behaviour
PC E	19:06-19:11	No Bats		
PC F	19:21-19:26	No Bats		
1	19:35	Common Pipistrelle	Continuous	Foraging
PC G	19:36-19:41	Ref. 2		
2	19:37	Soprano Pipistrelle	1	Commuting
3	19:42	Soprano Pipistrelle	1	Commuting
4	19:46	Common Pipistrelle	1	Commuting
5	19:50	Common Pipistrelle	2	Commuting
PC H	19:56-20:01	Ref. 6		
6	19:56	Common Pipistrelle	2	Commuting
7	20:02	Common Pipistrelle	Multi	Foraging
8	20:12	Soprano Pipistrelle	2	Commuting
PC I	20:14-20:19	Ref. 9		
9	20:14	Common Pipistrelle	Continuous	Foraging
10	20:23	Common Pipistrelle	Multi	Foraging
PC J	20:29-20:34	Ref. 11		
11	20:29	Common Pipistrelle	1	Commuting
PC K	20:44-20:49	Ref. 12		
12	20:44	Noctule	1	Commuting



Client: **Wain Estates**
 Project: **Land North of Wilderness Lane, Great Barr, Birmingham**
 Drawing title: **BAT TRANSECT PLAN NORTHERN ROUTE (26.09.23)**
 scale @ A3: 1:3,000
 drawn: NG / HEH
 issue date: 9/10/2023
 drawing / figure number: **Figure 9**
 rev: -



Date	27.09.23
Start Time	05:02
End Time	07:02
Sunrise	07:02
Start Temp	12
End Temp	12
Wind	1
Rain	0
Cloud %	90

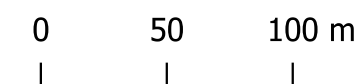
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Key:

- Site Boundary
- Point Count Locations
- Start point
- Finish point
- Common Pipistrelle
- Brown Long-eared
- Myotis Species
- ★ Static Locations

REF.	Time	Species Name	Passes	Behaviour
PC C	05:02-05:07	No Bats		
PC B	05:08-05:13	No Bats		
PC A	05:14-05:19	Ref. 1		
1	05:15	BLE	1	Commuting
PC K	05:20-05:25	No Bats		
PC J	05:29-05:34	No Bats		
2	05:39	Myotis sp.	2	Commuting
PC I	05:41-05:46	Ref. 3		
3	05:41	Common Pipistrelle	Continuous	Foraging
PC H	05:55-06:00	No Bats		
PC G	06:21-06:26	No Bats		
PC F	06:33-06:38	No Bats		
PC E	06:40-06:45	No Bats		
PC D	06:46-06:51	No Bats		



Client: **Wain Estates**
 Project: **Land North of Wilderness Lane, Great Barr, Birmingham**
 Drawing title: **BAT TRANSECT PLAN NORTHERN ROUTE (27.09.23)**
 scale @ A3: 1:3,000
 drawn: NG / HEH
 issue date: 9/10/2023
 drawing / figure number: **Figure 10**
 rev: -



Date	03.08.23
Start Time	20:57
End Time	23:00
Sunset	20:57
Start Temp	16
End Temp	13
Wind	3
Rain	0
Cloud %	5

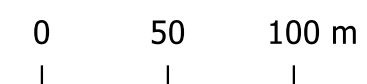
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Key:

- Site Boundary
- Point Count Locations
- Transect Route
- Start point
- Finish point
- Common Pipistrelle
- Noctule
- Static Locations

REF.	Time	Species Name	Passes	Behaviour
PC D	19:59-19:04	No Bats		
PC E	19:10-19:15	No Bats		
PC F	19:20-19:15	No Bats		
PC G	19:33-19:38	Ref. 1		
1	19:35	Common Pipistrelle	Multi	Foraging
2	19:39	Common Pipistrelle	1	Commuting
3	19:41	Common Pipistrelle	Continuous	Foraging
PC H	19:46-19:51	Ref. 4		
4	19:47	Common Pipistrelle	1	Commuting
PC I	20:04-20:09	No Bats		
PC J	20:12-20:17	Ref. 5,6		
5	20:12	Noctule	1	Commuting
6	20:16	Common Pipistrelle	1	Commuting
7	20:18	Common Pipistrelle	Continuous	Foraging
8	20:27	Common Pipistrelle	4	Foraging
PC A	20:29-20:34	No Bats		
PC B	20:40-20:41	No Bats		
PC C	20:48-20:53	No Bats		



client
Wain Estates

project
Land North of Wilderness Lane,
Great Barr, Birmingham

drawing title
BAT TRANSECT PLAN SOUTHERN ROUTE
(27.09.23)

scale @ A3
1:3,000

drawn
NG / HEH

issue date
9/10/2023

drawing / figure number
Figure 11

rev
-



Date	27.09.23
Start Time	05:02
End Time	07:02
Sunrise	07:02
Start Temp	12
End Temp	12
Wind	1
Rain	0
Cloud %	90

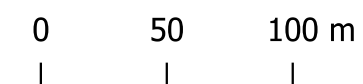
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Key:

- Site Boundary
- Point Count Locations
- South Route Dawn
- Start point
- Finish point
- Common Pipistrelle
- ▼ Noctule
- ★ Static Locations

REF.	Time	Species Name	Passes	Behaviour
PC C	05:03-05:08	Ref. 1		
1	05:03	Common Pipistrelle	2	Commuting
PC B	05:12-05:17	No Bats		
PC A	05:25-05:30	No Bats		
PC K	05:42-05:47	No Bats		
PC J	05:53-05:58	No Bats		
2	06:04	Common Pipistrelle	4	Foraging
PC I	06:09-06:14	Ref. 3		
3	06:09	Noctule	Multi	Foraging
PC G	06:22-06:27	No Bats		
PC F	06:34-06:39	No Bats		
PC E	06:43-06:48	No Bats		
PC D	06:53-06:58	No Bats		



Client: Wain Estates
 Project: Land North of Wilderness Lane, Great Barr, Birmingham
 Drawing title: BAT TRANSECT PLAN SOUTHERN ROUTE (27.09.23)
 Scale: A3 1:3,000
 Drawn: NG / HEH
 Issue date: 9/10/2023
 Drawing / figure number: **Figure 12**
 Rev: -

Key

Site Boundary

BoCC Red List Species

- HG Herring Gull
- HS House Sparrow
- SG Starling
- GR Greenfinch

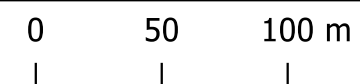
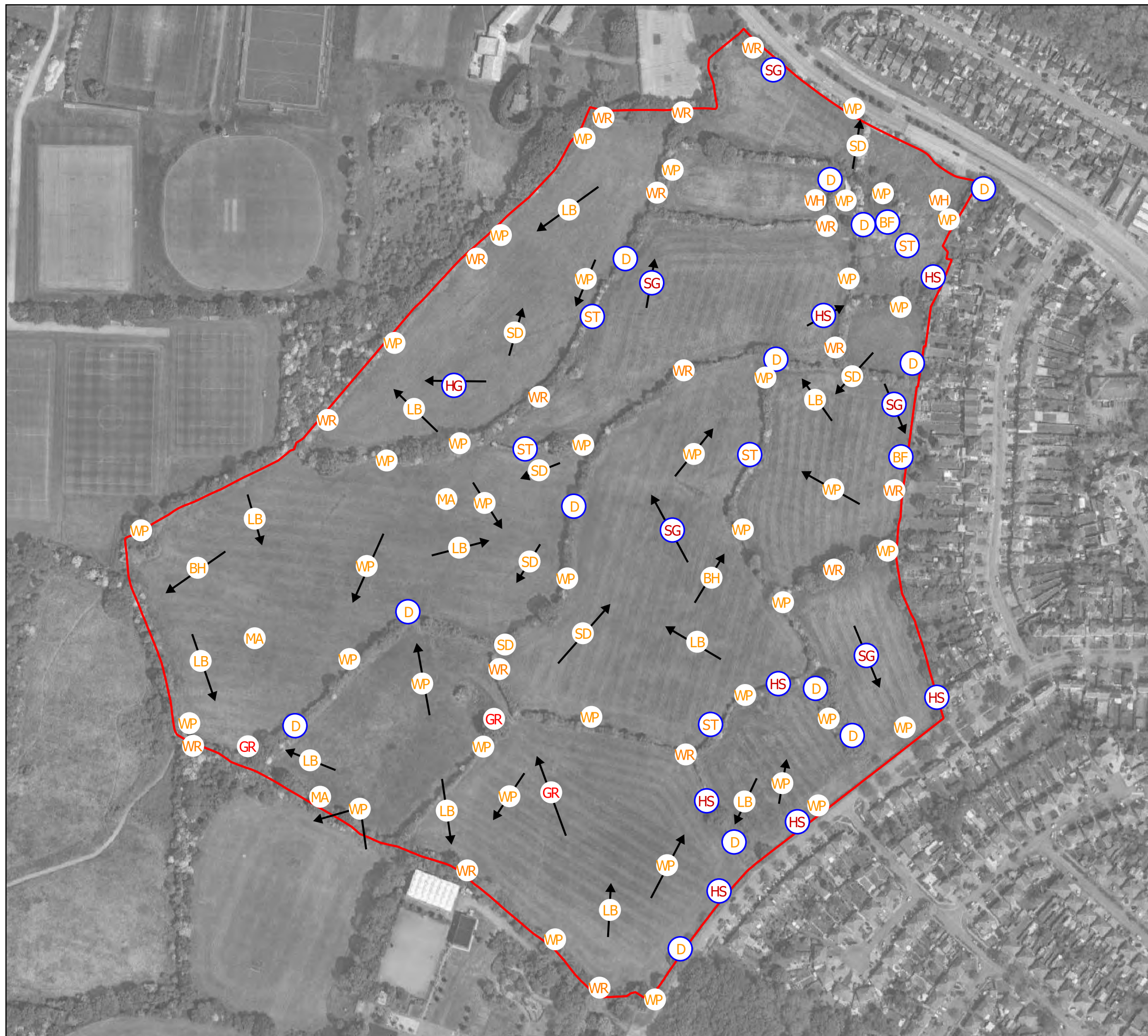
BoCC Amber List Species

- BH Black-headed Gull
- BF Bullfinch
- D Dunnock
- LB Lesser Black-backed Gull
- MA Mallard
- SD Stock Dove
- WH Whitethroat
- ST Song Thrush
- WP Woodpigeon
- WR Wren

→ Fly over only

Additional Protections

- NERC Species of Principal Importance
- Schedule 1 Species



client
Wain Estates

project
Land North of Wilderness Lane,
Great Barr, Birmingham

drawing title
**BREEDING BIRD SURVEY RESULTS PLAN -
DISTRIBUTION OF NOTABLE SPECIES**

scale @ a3
1:3,000

drawn
NG / KG

issue date
9/10/2023

drawing / figure number
Figure 13

rev
-

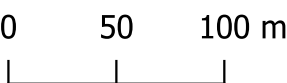


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Key

- Site Boundary
- Waterbodies



client
Wain Estates
 project
**Land North of Wilderness Lane,
Great Barr, Birmingham**
 drawing title
WATERBODY LOCATION PLAN



scale
1:3,500
 drawing / figure number
Figure 14
 drawn
NG / HEH
 issue date
9/10/2023
 rev
-




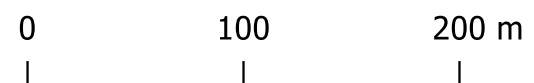
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Key

 Site Boundary

 Tin Locations



client
Wain Estates
 project
Land North of Wilderness Lane,
Great Barr, Birmingham
 drawing title
REPTILE TIN LOCATION PLAN

scale @ A3
1:3500
 drawn
NG / KG
 issue date
10/10/2023



drawing / figure number

15

rev

-