Whitcher Wildlife Ltd.
Wildlife Consultants.

BEECH HOUSE FARM, 3 ROCKLEY LANE, BIRDWELL.

BAT SURVEY.

Ref No:- **130340/1.**

Date: **17th August 2013.**

Cliff Edge, Cliff Road, Darfield, Barnsley, S73 9HR.
Tel. 01226 753271. Fax. 01226 270993.
info@whitcher-wildlife.co.uk www.whitcher-wildlife.co.uk
Company No. 4401613.

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1. INTRODUCTION.

1.1. The local planning office has requested a bat survey in support of the planning application for the development of Beech House Farm, 3 Rockley Lane, Birdwell.

1.2. Whitcher Wildlife Ltd was therefore commissioned to carry out a bat survey of the site to establish whether there are any issues that may affect the proposed works.

1.3. An initial daytime survey of the site was carried out on 21st March 2013. This survey identified bat potential within one of the buildings on the site and therefore recommended further surveys of the building.

1.4. A dusk emergence bat survey was carried out on the 11th June 2013 and a dusk emergence and dawn swarming bat survey was carried out on the 4th and 5th July. This report outlines the findings from all of the surveys and is followed by a mitigation strategy to support application for planning permission.

1.5. Appendix I to III of this report provide back ground information regarding protected species and the legal protection afforded to them.

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2. SURVEY METHODOLOGY.

2.1. The buildings were thoroughly checked internally and externally for potential bat roosting sites in line with L Hundt (2012). *Bat Conservation Trust Good Practice Guidelines* by looking for the following signs:-

* Holes, cracks or crevices.
* Bat droppings.
* Prey remains.
* Staining on external walls.

2.2. Unless otherwise stated, all lofts were accessed and inspected using a high powered torch and where necessary an endoscope.

2.3. A thorough external inspection was carried out from ground level for any gaps or openings in the roof and ridge tiles, behind soffits and fascias and in the walls of the structure for suitable roost access points and field signs to indicate possible use by bats.

2.4. All window cills, walls and the ground around the structure were checked for signs of bat droppings or staining to indicate possible use by bats. Where necessary, ladders were utilised to gain access within the limits of health and safety.
Any access constraints encountered are outlined within the following report.

2.5. All survey work was carried out in line with the Bat Conservation Trust, Good Practice Guidelines

2.6. The initial daytime bat survey was carried out by James Campbell. Since 2003 James has had experience in a professional capacity as a Wildlife Consultant carrying out Ecology Surveys and Phase 1 Habitat surveys. James holds Natural England Survey Licences in respect of bats, great crested newts, crayfish and barn owls. He has also successfully completed numerous courses run by IEEM, BCT and FSC regarding protected species and in carrying out Phase 1 Habitat surveys.

2.7. The subsequent dusk emergence and dawn swarming bat surveys were carried out by James Campbell and the following staff of Whitcher Wildlife Ltd.

2.8.1. Derek Whitcher who has over twenty years experience of surveying for wildlife and has run his own wildlife consultancy since 1998. He has extensive experience of a wide variety of survey techniques for a variety of species of protected wildlife supplemented by attendance on a wide range of training courses through CIEEM, FSC and BCT. As a member of CIEEM he is committed to continuous professional development, a continual process of learning and career development, a condition of CIEEM membership. He holds current Natural England survey licences for barn owl, bat, great crested newt and white clawed crayfish.

2.8.2. Ruth Georgiou BSc MCIEEM. Since 2004 Ruth has had experience in a professional capacity as a Wildlife Consultant carrying out ecology surveys and phase I habitat surveys. As a full member of CIEEM Ruth is subject to peer review on an annual basis. Ruth holds Natural England survey licences in respect of bats, great crested newts, white clawed crayfish and barn owls and has held her own or has been named ecologist on site specific licences for badgers, great crested newts and bats. She also holds a degree in Environmental Science (BSc) and has successfully completed a number of courses run by CIEEM, BCT and FSC in the relative protected species, carrying out phase I habitat surveys and BREEAM assessments.

2.8.3. Steven Whitcher MCIEEM. Since 2002 Steven has had experience in a professional capacity as a Wildlife Consultant carrying out ecology and protected species surveys and Phase 1 Habitat surveys. Steven holds Natural England Survey Licences in respect of bats, great crested newts, crayfish and barn owls, CCW Survey Licences in respect of bats and great crested newts and an SNH Survey Licence in respect of bats. He has also successfully completed a number of courses run by the Chartered Institute of Ecology and Environmental Management (CIEEM), the Bat Conservation Trust (BCT) and the Field Studies Council (FSC) in the relative protected species, plant species and in carrying out Phase 1 Habitat Surveys.

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3. SURVEY RESULTS.

3.1. Data Search Results.

3.1.1. A request for a data search was sent to South Yorkshire Bat Group (SYBG) and Barnsley Biological Records Centre (BBRC) for any records of bat roosts within the survey area.

3.1.2. SYBG holds various records of bats in the area of the site although none of the records refer to the buildings covered during this survey.

3.1.3. A full copy of the results received from SYBG is included in Appendix IV of this report.

3.1.4. BBRC hold several records of bats to the northeast of this site within Birdwell. The records are on Sheffield Road, Osprey Drive and Kestrel Rise, none of the records lie close to this site.

3.1.5. BBRC also hold records of several Natural Heritage Sites and Local Nature Reserves within 1km of the site. The closest of these is Rockley Woods NHS, which lies approximately 200m to the northwest of the site on the opposite side of the M1 motorway.

3.1.6. In addition BBRC hold records of various species of amphibian, flowering plant, moss and bird in the area of the site although none of the records refer to this site.

3.1.7. A full copy of the results received from BBRC is included in Appendix V of this report.

3.2. Site Description.

3.2.1. Beech House Farm, 3 Rockley Lane is a residential property and several farm buildings located in a well tended garden. The site is located to the west of Birdwell on the verge of the village. The M1 motorway is located to the west within a swathe of broad leafed woodland. The extended surrounding area is arable farm land intersected with extensive hedgerows.

3.2.2. The aerial photograph below shows the surveyed buildings and the direct surrounding area.

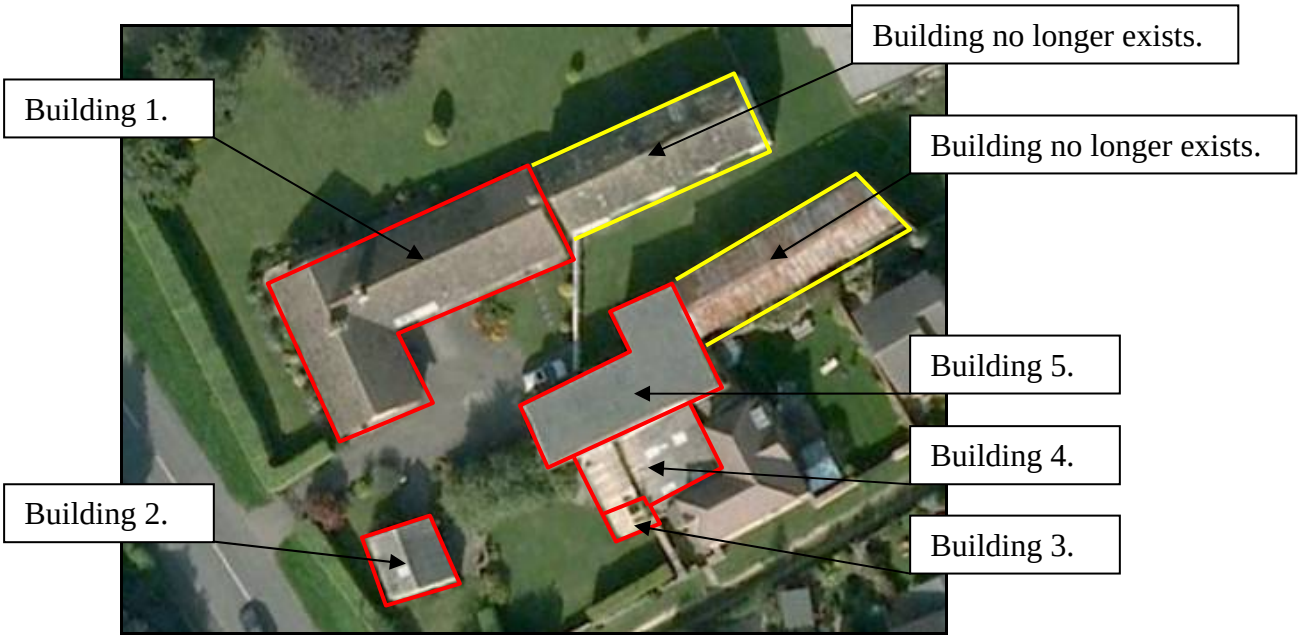


3.2.3. The aerial photograph below shows the surveyed buildings and the extended surrounding area.



3.3. Daytime Bat Survey Results.

3.3.1. The buildings are dealt with separately below.



3.3.1.1. Building 1.

3.3.1.1.1. **Building 1** is a single storey residential bungalow comprising cavity brick walls and a pitched roof with three gable ends. The cavity walls have recently been thoroughly filled with spray insulation and the brickwork is well pointed with no gaps or crevices. There are doors and windows in all elevations of the building which are all tightly sealed with no gaps or crevices. The pitched roof is covered with tight fitting concrete roof tiles and well pointed tight fitting ridge tiles. The fascias and soffit boards around the building are all tight fitting with no gaps or crevices. There are three chimneys on the building which are all tightly sealed to the roof tiles with lead flashings. Internally there are three loft spaces all comprising a simple rafter and purlin design from with a tight fitting hessian and bitumen felt underneath the tiles.

3.3.1.1.2. There were no bat field signs or suitable bat roosting potential identified during the internal or the external inspection.

3.3.1.1.3. The photograph below shows the northern elevation of Building 1.



3.3.1.1.4. A bird nest was identified on top of the satellite dish mounting bracket on the eastern elevation of the building. The nest was not currently occupied during this survey.

3.3.1.1.5. The photograph below shows the birds nest located on top of the satellite dish mounting bracket.



3.3.1.2. Building 2.

3.3.1.2.1. **Building 2** is a single storey cow shed which comprises stone rubble filled walls with a pitched roof and two gable ends which is currently used for storage. There are some gaps and crevices within the external elevation of the stone work.

However, these could be examined during this survey and no suitable gaps or crevices were identified. There are doors and windows on the northern and eastern elevations of the building which are all tightly sealed with no gaps or crevices. The internal elevation is pointed and rendered with no gaps or crevices. The pitched roof is covered with corrugated cement sheeting and the ridge is covered with cement sheet ridge sections. Internally there is one room which is open to the rafters and there is no lining between the king post design timbers and the corrugated cement sheet roof covering.

3.3.1.2.2. There were no bat field signs or suitable bat roosting potential identified during the internal or the external inspection.

3.3.1.2.3. The photograph below shows the north eastern elevation of Building 2.



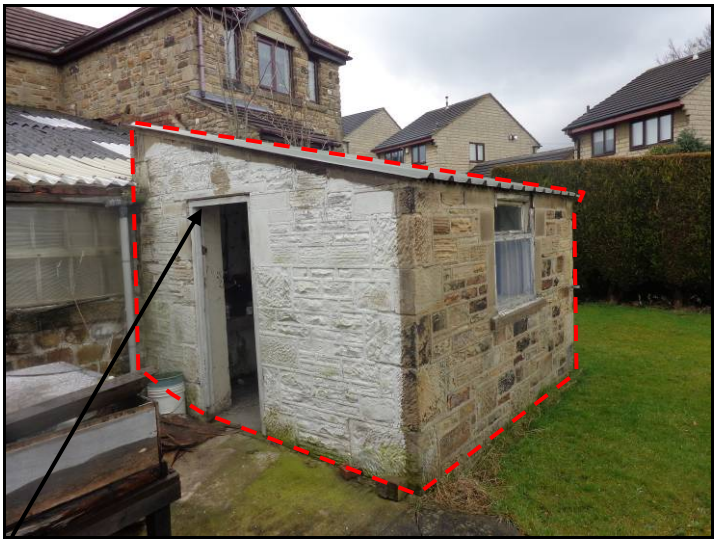
3.3.1.3. Building 3.

3.3.1.3.1. **Building 3** is a single storey potting shed which comprises solid stone walls with a sloping roof which is currently used for storage. Building 3 is attached to the western elevation of Building 4. There are no gaps or crevice within the stonework. There are doors and windows on the northern and western elevations of the building which are all tightly sealed with no gaps or crevices. The internal elevation is pointed and rendered with no gaps or crevices. The sloping roof is covered with corrugated metal sheeting. Internally there is one room which is open to the rafters.

3.3.1.3.2. There were no bat field signs or suitable bat roosting potential identified during the internal or the external inspection.

3.3.1.3.3. A bird nest was identified above the doorway on the northern elevation of Building 3. The nest was not currently occupied during this survey.

3.3.1.3.4. The photograph below shows the north western elevation of Building 3 and the location of the birds nest.



3.3.1.4. Building 4.

3.3.1.4.1. **Building 4** is a single storey greenhouse which comprises solid stone walls with a sloping roof which is currently used for storage. Building 4 is attached to the northern elevation Building 3 and the southern elevation of Building 5. There are no gaps or crevice within the stonework. There are doors and windows on the western elevation of the building which are all tightly sealed with no gaps or crevices. The internal elevation is pointed and rendered with no gaps or crevices. The sloping roof is covered with corrugated cement, metal and clear plastic sheeting. Internally there is one room which is open to the rafters.

3.3.1.4.2. There were no bat field signs or suitable bat roosting potential identified during the internal or the external inspection.

3.3.1.4.3. The photograph below shows the western elevation of Building 4.



3.3.1.5. Building 5.

3.3.1.5.1. **Building 5** is a two storey barn which comprises stone rubble filled walls with a sloping roof which is currently used for storage. Building 5 is attached to the northern elevation of building 4. There are some gaps and crevices within the external elevation of the stone work. These could not be thoroughly examined during this survey. There are doors and windows on the northern elevation of the building which are open providing access into the building. There is an extended shelter protruding from the open barn door comprising wooden lathes, and corrugated cement sheeting. The internal elevation is pointed and rendered in areas leaving gaps and crevices. The sloping roof is covered with corrugated cement sheeting. Internally there is one large room with a smaller room making a mezzanine effect at the western elevation of the building. The roof is open to the rafters and there is no lining between the wooden rafters, metal frame and the corrugated cement sheets.

3.3.1.5.2. There were no bat field signs. However, suitable bat roosting potential was identified within this building.

3.3.1.5.3. The photograph below shows the north eastern elevation of Building 5.



3.3.1.5.4. Six swallow nests were identified underneath the ceiling of the mezzanine section at the western elevation of the building. Also one nest was identified on the wall top on the southern elevation of the building. The nests were not currently occupied during this survey. Several butterfly wings were identified on top of the mezzanine floor. These were identified near to the swallow nests and will be foraging remains from the resident swallows.

3.3.1.5.5. The photograph below shows some of the swallow nests identified within the building.



3.3.2. None of the trees within the survey area will provide a suitable habitat for roosting bats.

3.3.3. The hedgerows on the northern, western and southern boundary and the trees on the northern boundary of the survey area will provide a suitable habitat for nesting birds during the nesting bird season.

3.3.4. Several areas of cotoneaster were identified around the survey area. These are localised to the southern elevation of the survey area.

3.3.4.1. The aerial photograph below shows the location of the several areas of cotoneaster.



3.4. Dusk Emergence Bat Survey Results (11th June).

3.4.1. A dusk emergence bat survey of Building 5 was carried out on the 11th June 2013. The weather at the time of the survey was fine and clear with a temperature of 12°C recorded at 21:00.

3.4.2. Three surveyors carried out the survey. Each surveyor was equipped with a Batbox Duet bat detector and a radio for contact. An additional three Anabat stand alone bat detectors were used on the site during the survey.

3.4.3. The location of the surveyors and Anabats during the survey is shown on the plan below. S=Surveyor and A=Anabat.



*Anabat A3 remained inside the building throughout the night following the survey.

3.4.4. The results from each surveyor and Anabat during the survey are outlined below.

3.4.4.1. Surveyor 1.

- 21:51 – A bat was heard occasionally foraging and was then seen emerging from the opening on the north side of the building.
- 22:14 – A bat flew from the opening in the north side of the building, looped around S2 before flying back into the building.
- 22:16 – A bat was identified foraging within the building but could not be heard unless it was very close. This activity continued until 22:21 when the bat entered a roost at the western end of the building.

3.4.4.2. Surveyor 2.

- 21:51 – A bat flew from the direction of S1 and off the site to the southwest.
- 22:13 – A bat was identified flying towards S1 and into the building.

- 22:21 – A bat was identified flying from the southwest towards S3.

3.4.4.3. Surveyor 3.

- 21:58 – A Noctule bat was identified passing over the site.
- 22:08 – A bat was identified emerging from the adjacent property and leaving site to the southwest.
- 22:19 – A bat was heard but not seen.
- 22:23 – A bat flew from the west, briefly foraged and then returned to the west.

3.4.4.4. Anabat 1.

Time	Myotis	Pip45	Total
21:57		2	2
22:20	1		1
22:26		2	2
23:10		1	1
Total	**1**	**5**	**6**

3.4.4.5. Anabat 2.

Time	Myotis	Pip45	Total
21:50		1	1
22:19		1	1
23:03		1	1
23:14		2	2
23:15		3	3
23:23	1		1
23:24		1	1
23:25		1	1
23:28		1	1
23:42		1	1
23:43		2	2
23:47		1	1
23:49		3	3
23:57		1	1
00:03		1	1
00:11		1	1
00:17		1	1
00:18		1	1

00:22		1	1
00:23		4	4
00:24	1	3	4
00:26		2	2
00:27		2	2
00:28		1	1
00:30		1	1
00:32		1	1
00:33		2	2
00:36		1	1
00:38		1	1
00:42		3	3
00:44		3	3
00:45		5	5
00:47		1	1
00:50		1	1
00:51		1	1
00:52	2	2	4
00:53		2	2
00:56		2	2
00:57		2	2
00:58		1	1
01:05		2	2
01:16		3	3
01:23		1	1
01:24		2	2
01:30		1	1
01:42		1	1
01:44		1	1
02:07		1	1
02:16		1	1
02:23		1	1
02:25		1	1
02:35		2	2
02:42		1	1
02:43	1		1
Total	**5**	**83**	**88**

3.4.4.6. Anabat 3.

Time	Noctule	Pip45	Total
21:57	1		1
22:05	1		1
22:23		1	1
Total	**2**	**1**	**3**

3.4.5. During this survey a small bird, a species of tit, was identified entering a void in the wall on the northwest corner of the building implying that the bird has a nest in this location.

3.5. Dusk Emergence and Dawn Swarming Bat Survey Results (4th & 5th July).

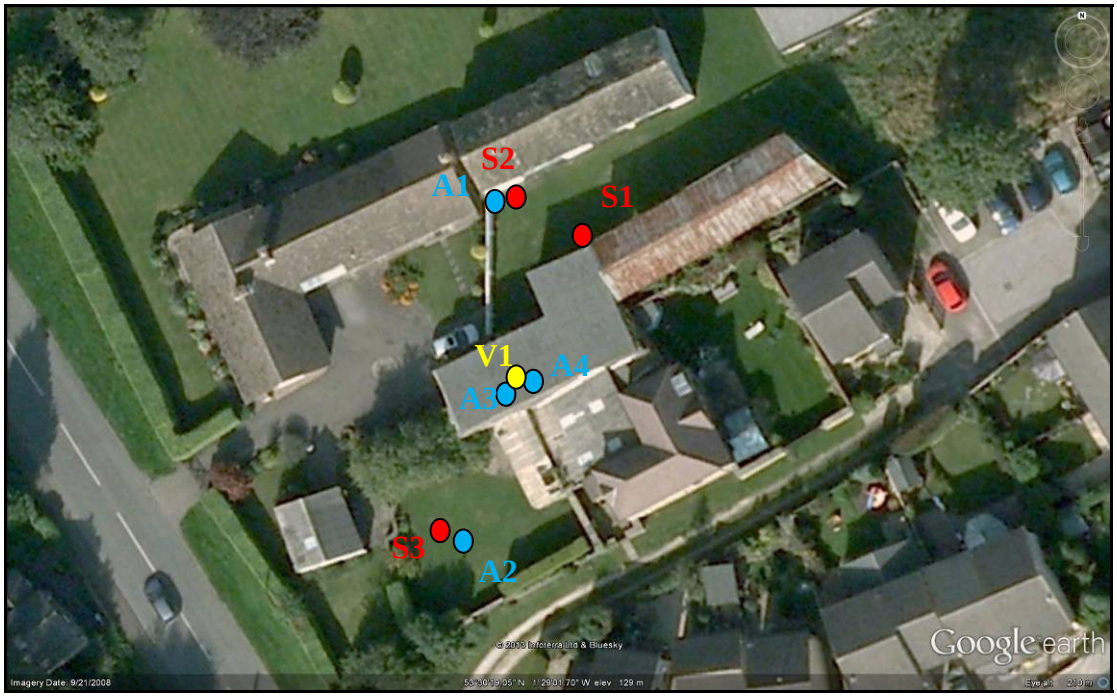
3.5.1. Prior to this survey being carried out a further inspection of the interior of Building 5 was carried out.

3.5.2. Occasional fresh bat droppings were identified throughout the building with no concentration of droppings identified. The droppings were identified as Pipistrelle bat droppings.

3.5.3. A dusk emergence and dawn swarming bat survey of Building 5 was carried out on the 4th and 5th July 2013. The weather during the dusk survey was fine and clear with a temperature of 18°C recorded at 21:30. The weather during the dawn survey was fine with some early morning mist and a temperature of 10°C recorded at 03:20.

3.5.4. The survey was carried out by three surveyors. Each surveyor was equipped with a Batbox Duet bat detector and a radio for contact. An additional four Anabat stand alone bat detectors and one video camera were used during the survey.

3.5.5. The location of the surveyors, Anabats and video during the survey is shown on the plan below. S=Surveyor, A=Anabat and V=Video.



3.5.6. The Anabats remained in position throughout the night from the dusk emergence survey to the dawn swarming survey.

3.5.7. The results from each surveyor and Anabat during the survey are outlined below.

3.5.7.1. Surveyor 1.

21:57 – Bat from the east and into Building 5 to forage.
21:57 – Bat back from the building and off the site to the west.
22:15 – Bat flew into the building and foraged.
22:18 – A second bat flew into the building to forage.
22:18 – A bat flew from the building and off the site to the south.
22:18 – Bat flew from the west and into the building to forage.
22:19 – A bat flew from the building and off the site to the west.
22:22 – A bat flew from the west, briefly foraged in the building and then left the site to the west.
22:24 – A bat flew into the building to forage.
22:25 – A second bat flew into the building to forage.
22:26 – Two bats flew from the building and off the site to the west.
22:29 – Bat flew from the west and into the building to forage.
22:29 – A bat flew from the building and off the site to the west.
22:30 – A bat flew into the building, briefly foraged and flew back out.

22:38 – A bat flew from the east into the building, foraged briefly then left the site to the west.
22:38 – A bat flew into the building to forage.
22:39 – Bat flew from the building and off the site to the south.
22:40 – A bat briefly foraged in the building.
22:41 – A bat flew from the east, briefly foraged in the building and then left the site to the west.
22:45 – A bat flew over the site from west to east.
22:46 – A bat flew over the site from east to west.
03:54 – A bat flew from the west past the building and off the site to the northeast.
03:55 – A bat was briefly heard but not seen.

3.5.7.2. Surveyor 2.

21:57 – A bat flew from the south into the building briefly before leaving site to the west.
22:01 – A bat flew over the site from west to east.
22:01 – A bat was briefly heard but not seen.
22:15 – A bat flew from the south and into the building to forage.
22:18 – A bat flew from the west into the building.
22:19 – A bat flew from the building and off the site to the west.
22:24 – A bat flew from the north and into the building.
22:26 – A bat flew from the west into the building.
22:26 – A bat flew from the building and off the site to the west.
22:30 – A bat flew from the west into the building.
22:30 – A bat flew from the south, briefly foraged in the building and left the site to the west.
22:38 – A bat flew into the building to forage.
22:42 – A bat flew from the east, briefly foraged in the building and then left the site to the west.
22:46 – A bat flew over the site from west to east.
22:46 – A bat flew over the site from east to west.
22:54 – A bat was briefly heard but not seen.
03:55 – A bat flew over the site from west to east.
04:22 – A bat was briefly heard but not seen.

3.5.7.3. Surveyor 3.

22:05 – A bat was heard but not seen.
22:14 – A bat flew from the south and briefly foraged over the garden of the property before heading south.
22:17 – A bat was heard but not seen.
22:18 – A bat flew off the site to the west.
22:21 – A bat was heard but not seen.
22:24 – A bat was identified foraging over the road to the west of the site.
22:28 – A bat flew onto the site from the west.
22:29 – A bat flew onto the site from the west and then returned to the west.
22:34 – A bat flew onto the site from the west and then returned to the west.
22:36 – A bat flew onto the site from the west and then returned to the west.
22:39 – Bats were occasionally identified over the road to the west of the site throughout the survey.

This surveyor did not record any bat activity during the dawn survey.

3.5.7.4. Video 1.

The video camera recorded occasional foraging activity within the building but no emerging or swarming bats.

3.5.7.5. Anabat 1.

Time	Myotis	Noctule	Pip45	Pip55	Total
22:02			2		2
22:11			1		1
22:12			1		1
22:20				1	1
22:21				4	4
22:22			1	4	5
22:23			1	2	3
22:24				1	1
22:27			1		1
22:29				3	3
22:30			1	4	5
22:31			2		2
22:34			3		3
22:35			1		1

22:43				2	2
22:44				3	3
22:45			1		1
22:46			1		1
22:50			1		1
22:51			1		1
23:05			1		1
23:06			1		1
23:08			1		1
23:13			1		1
23:17			2		2
23:31			1		1
23:34			2		2
23:39			2		2
23:43			1		1
23:46			2		2
23:54			1		1
23:59			1		1
00:00			1		1
00:01			1		1
00:11			1		1
00:23			2		2
00:26			1		1
00:28			1		1
00:29			1		1
00:33			1		1
00:42			1		1
00:47			1		1
00:58			1		1
01:05			2		2
01:06			1		1
01:07			1		1
01:10	2				2
01:11	1		1		2
01:13			1		1
01:39			1		1
01:40			1		1
01:44			2		2
01:46			1		1
01:54			1		1
02:08			1		1
02:17			1		1
02:19			1		1

02:20			1		1
02:53			1		1
03:08			1		1
03:19			2		2
03:25			1		1
04:00			1		1
04:26		1			1
Total	**3**	**1**	**68**	**24**	**96**

3.5.7.6. Anabat 2.

Time	Pip45	Pip55	Total
22:15		1	1
22:16		1	1
22:19		1	1
22:40		1	1
22:54	1		1
23:45	1		1
23:56	1		1
23:59	1		1
01:31	3		3
01:32	2		2
01:36	2		2
01:44	2		2
02:03	1		1
03:14	1		1
03:21	1		1
04:18		1	1
Total	**16**	**5**	**21**

3.5.7.7. Anabat 3.

The batteries in Anabat 3 failed at approximately 00:30.

Time	Myotis	Pip45	Pip55	Total
21:55		1		1
22:01		1		1
22:11		1		1
22:12		2		2
22:13		4		4
22:14		1	5	6
22:15		4	5	9
22:16		5	1	6
22:17			1	1
22:18		2		2
22:19		4		4
22:20		4		4
22:21		4		4
22:22		4	3	7
22:23		1	4	5
22:24		3		3
22:25		1		1
22:26		3		3
22:27		6		6
22:28		3		3
22:30		2		2
22:31		2		2
22:36			1	1
22:37		1	5	6
22:40		1		1
22:41		3		3
22:59		1		1
23:10		1		1
23:27		1		1
23:32		1		1
23:39		1		1
23:54		1		1
00:05	1			1
00:16		1		1
00:26		1		1
Total	**1**	**71**	**25**	**97**

3.5.7.8. Anabat 4.

Time	Myotis	Natterer	Pip45	Pip55	Total
21:54			1		1
22:13				2	2
22:14				4	4
22:15			2	2	4
22:16				3	3
22:19			1		1
22:21				1	1
22:22				4	4
22:23	1		1	2	4
22:24			1		1
22:27			1		1
22:28			1		1
22:36				4	4
22:37				2	2
22:38			1		1
22:58			2		2
23:10			1		1
23:26			2		2
23:32			2		2
23:53			1		1
00:16			2		2
00:26			1		1
00:51			1		1
00:59	1		2		3
01:02	1				1
01:03	1	2			3
01:05			1		1
01:07	1				1
01:24			1		1
01:25			1		1
01:32			2		2
01:36			1		1
01:46	1				1
02:12			2		2
03:11			1		1
03:18			1		1
03:51			1		1
Total	**6**	**2**	**34**	**24**	**66**

****

4. EVALUATION OF FINDINGS.

4.1. Several Natural Heritage Sites and Local Nature Reserves were identified in the area around the site. However, there will be no impact on these sites during the proposed development because the nearest site lies over 200m away on the opposite side of the M1 motorway.

4.2. Buildings 1, 2, 3 and 4 do not provide a suitable habitat for roosting bats as there are no cracks or crevices which will provide a suitable habitat for roosting bats. No bat field signs were identified within the buildings during the daytime survey.

4.3. Building 5 does provide a suitable habitat for roosting bats as there are large gaps and crevices from recent movement in the stonework.

4.4. No bat field signs were identified within Building 5 during the first bat survey. Occasional fresh bat droppings were identified scattered throughout the building during the dusk emergence and dawn swarming survey, the droppings were compared to library samples and identified as Pipistrelle bat droppings. The occasional scattering of droppings throughout the building with no concentration implied foraging activity rather than the presence of a roost.

4.5. During the dusk emergence bat survey one bat was identified foraging within Building 5 before entering a roost in the building. The bat was quiet and was not recorded on the Anabat within the building whilst foraging. The bat is therefore assessed as being a Brown Long Eared bat.

4.6. Several bats were identified entering the building to forage. The bats came from off site with no bats seen to emerge from a roost within the building.

4.7. During the dusk emergence and dawn swarming survey several bats were identified flying onto the site and foraging within Building 5. The bats were seen to enter the site from all directions although the main movement of bats over the site appeared to be from east to west.

4.8. No bats were identified emerging from or entering any roosts within the building during the survey. No bats were identified emerging from the roost identified as a Brown Long Eared bat roost and no Brown Long Eared bats were recorded throughout the survey.

4.9. Several Noctule, Natterers and unidentified myotis bat calls were recorded throughout the night although the brief nature of the recordings implies that these bats were only passing the site.

4.10. The lack of any concentration of droppings within Building 5 and the identification of a single bat entering a roost within the building implies that there is a small, occasionally used male summer roost of Brown Long Eared bats within the building. The roost is located on the top of the western wall of the building underneath the corrugated roof sheets, as shown on the photograph below.



4.11. No other bat roosts were identified although the building does appear to provide a good sheltered foraging location for Pipistrelle bats passing the site with abundant bats identified foraging in and around the building during both surveys.

4.12. The proposed development of the site will potentially have a high impact on the bat roost identified within the building due to the potential loss of the roost.

4.13. The proposed development will have an impact on the bats identified foraging within Building 5 because the development will cause the loss of a sheltered foraging location. This impact is assessed as low because the land around the site will provide other suitable sheltered foraging locations.

4.14. The development of the site may also have some impact on the bats identified passing over the site. The bats appeared to pass towards the south of the site predominantly following the southern boundary before passing over Building 5 and down the existing driveway. Therefore the impact on this flight line is assessed as low because the development of the site will not affect the line of the boundary and the existing access will be used as access for the site once developed.

4.15. The trees within the survey area will not provide a suitable habitat for roosting bats as they are sparse with no deep gaps or crevices.

4.16. Buildings 1, 3 and 5 all displayed old currently disused nests which could become occupied during the nesting bird season. The nesting bird season extends from March to September weather dependant.

4.17. A small bird, possibly a tit, was identified entering a hole in the wall at the northwest corner of the building during the dusk emergence bat survey. This activity implied there was a nest in this location.

4.18. During the dusk emergence and dawn swarming bat survey a Tawny Owl was identified sat on the roof of one of the buildings on the site. However, the owl left the site to the east and no owl nests were identified during these surveys. Therefore the only impact on owls will be the loss of a small area of suitable foraging habitat. This is assessed as a low impact.

4.19. If any development works are carried out during the nesting season, which extends from March to September each year, the works will potentially have a high impact on any nests present on the site at that time.

4.20. Buildings 2 and 4 do not currently display any bird nests and do not present any potential for nesting birds during the nesting bird season. Therefore works on these buildings is unlikely to have an impact on nesting birds.

4.21. The hedgerows on the northern, western and southern boundary and the trees on the northern boundary of the site will provide a suitable habitat for nesting birds during the nesting bird season. Any work affecting these areas during the nesting season will potentially have a high impact on any birds present at that time.

4.22. Cotoneaster is a non native invasive plant species and is listed on Schedule 9 of the Wildlife and Countryside Act 1981. Work to develop the site would potentially spread the plant to other areas.

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5. MITIGATION STRATEGY: BATS.

The following mitigation strategy is written in the format of the Natural England licence application. Section D covers the impact assessment section of Document 1 and the remainder is Document 2, the delivery information.

D. Impact assessment in absence of mitigation.

D1. Short-term impacts: disturbance.

There will be a significant short term impact on the brown long eared bat roost as a result of the noise and vibration caused during any development works.

D2. Long-term impacts: roost modification.

The existing roost will not be modified but it will be lost and replaced elsewhere in the new buildings.

D3. Long-term impacts: roost loss.

Without mitigation there would be a significant impact due to loss of the existing brown long eared bat roost, albeit a small male summer roost used intermittently. With a replacement roost there will be no long term impact.

D4. Long-term impacts: fragmentation and isolation.

Although the site will be developed the main flight path across the site will remain unaffected because the southern boundary of the site and the existing access will be retained in their current locations. Therefore there will be no long term fragmentation or isolation impacts.

D5. Post-development interference impacts.

D5.1. There will be minimal post development interference impacts. The replacement roost will be within a detached garage and will therefore suffer no more impact than the current roost.

D5.2. There will be a slight increase in traffic, noise and light around the site following the development although this will be a relatively low impact because the site is currently a lived in residential property and garden.

D6. Predicted scale of impact.

D6.1. The scale of negative impact will be low but significant without mitigation as it will effectively destroy the male summer brown long eared bat roost in the building.

A. Mitigation and compensation.

A1. Summary of mitigation strategy.

A1.1. The mitigation strategy is based on providing a new brown long eared bat roost in one of the detached garages on the site prior to the building containing the existing roost being demolished. A second garage will then be constructed on the site of the existing building containing a further bat roost.

A1.2. The building containing the brown long eared roost will be demolished during the winter when the bats have moved to their hibernation roosts during the winter.

A1.3. Additional bat roosting opportunities will be provided in the garages on the site in the form of bat bricks.

B. Works to be undertaken by the ecologist.

B1. Capture and exclusion.

B1.1. The ecologist will inspect the bat roost in the first garage on completion of the construction works.

B1.2. Prior to works commencing on the demolition of the existing buildings the ecologist will brief all personnel working on the site. The briefing will include the requirement for all work to cease and the ecologist to be contacted immediately in the unlikely event that any bats are identified.

B1.3. Once the first bat roost has been constructed and signed off by the ecologist the existing building will be inspected for the presence of roosting bats. All bat droppings will be removed from the floor of the building and a further check undertaken a week

later to determine whether there has been any further bat activity. If there has been no further bat activity, the building will be released for demolition to commence.

B1.4. During the demolition works the ecologist will be present on site for the demolition of the western end of the Building 5, which will be done with care. The ecologist will inspect the roost during the demolition to ensure no bats remain within the roost.

B1.5. The ecologist will then inspect the bat roost in the second garage on completion of the construction works.

C. Works to be undertaken by the Developer/Landowner.

C1. Bat roosts.

C1.1. In situ retention of roost(s).

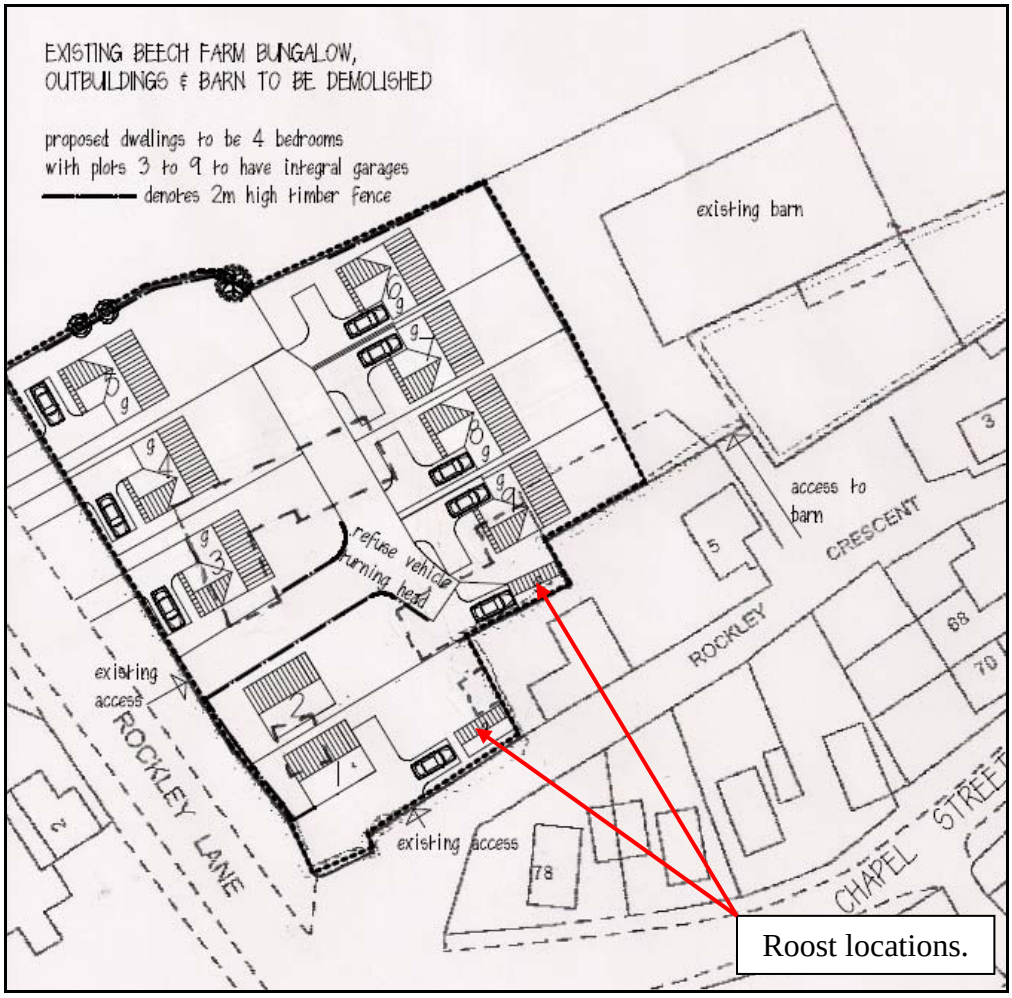
The existing roost will not be retained.

C1.2. Modification of existing roosts.

There will be no modification of existing roosts.

C1.3. New roost creation.

C1.3.1. Replacement brown long eared bat roosts will be provided in the roofs of two detached garages on the site. The plan below gives an indicative location for the garages on the site.



C1.3.2. The first garage will be constructed prior to the demolition of the existing building. The second garage, which stands on part of the footprint of the existing building, will then be constructed once the demolition works have been completed.

C1.3.3. The roofs of the garages will be constructed without modern trussed rafters leaving the loft spaces open with dimensions of approximately 3m x 6m and a height of 2m minimum.

C1.3.4. Proctor Roof Shield, breathable membrane will be used to line underneath the roof slates. This is a product that has been approved by Natural England in previous licence applications.

C1.3.5. The Proctor Roof Shield will not be tight but allowed to sag very slightly between rafters. Holes will be cut into it underneath the ridge tiles, approximately 40mm x 60mm cut on three sides with the fourth side left to hang down to provide a range of roosting opportunities.

C1.3.6. The top slate batten will be placed 20mm from the ridge board. At about 2m intervals along the ridge the membrane will have 30mm x 100mm slots cut out beside the ridge boards to allow bats access to the ridge tiles for roosting. These will need to be inspected before the tiles are laid to ensure proper access is created. When the ridge tiles are laid it is important to ensure the space within the ridge tiles remains unfilled by mortar forming a small tunnel in which the bats can roost. The ridge ends will be well pointed to avoid through draughts.

C1.3.7. Additional roosting locations will be provided by fixing false rafters approximately 600mm long to the side of the rafters with 15mm spacers forming a narrow slot butted up to the ridge board at the top end and with the upper half bridged over with 75mm x 15mm untreated sawn timbers, or equivalent, to form a long narrow cavity. Four such features will be provided, as shown in the photograph below.



C1.3.8. Access to the roost will be through two ridge tile access points as shown in the photograph below. These will be created by sitting two of the ridge tiles on the adjacent tiles and leaving a 50mm gap in the ridge tile pointing.



C1.3.9. Any timber treatment will be carried out using only safe Permethryn type chemicals on the Natural England list of approved safe chemicals. Use of new pre-treated timber, such as “tanalised” is safe provided the chemical has been allowed to dry thoroughly before use. New timbers used at specific roost sites in the ridge area, will be thoroughly brushed with a stiff yard brush to remove any crystalline residues, before use.

C1.3.10. External lighting requirements will be carefully designed to avoid light spillage affecting the roost entrances. Lights will not be mounted where they will shine directly on to the access point.

C1.3.11. In addition bat bricks, of a design similar to the one shown below, will be installed in the top of both gable ends of the garages to provide additional roosting opportunities for other bat species.


C

D. Post-development site safeguard.

It will be made clear in the deed of sale for the appropriate properties that the bat roosts are to be permanently maintained within the garages.

D1.2. Population monitoring, roost usage etc.

One visual inspection and dusk emergence survey will be carried out during May or June in the year following the completion of the construction of the garages to monitor the success of the mitigation measures.

D1.3. Mechanism for ensuring delivery of post-development works.

D1.3.1. The developer of the site will be responsible for ensuring that finance is available to ensure the project is completed.

D1.3.2. The developer will be responsible for commissioning and funding the ecologist throughout the project.

E. Land Ownership.

The site is currently owned by Barbara Britton. All works will be carried out on Mrs Britton's land or the land of the developer (if the site is sold prior to the development).

E1. Mitigation Site Ownership.

E.1.1 I confirm that relevant landowner consent/s has/have been granted to accept bats into roosts onto land outside the applicant's ownership – Yes, all work will be within the applicant's ownership. Any subsequent sale will make reference to the bat roosts in the deed of sale.

E.1.2 I confirm that landownership consent/s has/have been granted to allow the creation of the proposed habitat compensation on land outside the applicant's ownership – Yes, all habitat creation will be within the land owned by Mrs Britton or the developer.

E.1.3 I confirm that consent/s has/have been granted by the relevant landowner/s for monitoring and maintenance purposes on land outside the applicant's ownership – Yes, in the event that a property is sold prior to the monitoring surveys agreement will be made during the sale for the monitoring survey to be carried out.

F. Timetable of Works.

A: Development activities and timing		
Activity	**Timing**	**Notes**
Creation of the first replacement roosting within one of the garages.	TBC.	On receipt of licence and before demolition of the existing building.
Demolition of the existing building containing the bat roost.	October to February	In the winter following the construction of the first replacement roost.
Construction of the second replacement roost and the remaining development.	TBC	Following the demolition of the building containing the existing bat roost.

Complete **Table B** to show the years in which post development monitoring will take place. Details should include the type of survey e.g. emergence survey, bat box checks, and the time of year this will take place.

B: Post development monitoring						
Year	TBC.					
Details	Day time visual and dusk emergence survey. May to August.					

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6. MITIGATION STRATEGY: OTHER SPECIES.

6.1. Prior to any work commencing on the site the cotoneaster plants will be dug from the ground and removed from the site as contaminated waste.

6.2. During the development the hedgerows around the boundaries of the site will be retained to provide suitable nesting habitats for various species of bird following the development.

6.3. In addition a series of nest boxes will be erected on the buildings on the site to provide additional nesting potential. The nest boxes will include sparrow and swallow nesting boxes, as shown below, fitted beneath the soffits of the buildings.





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Prepared by:	
James Campbell, MCIEEM. Steven Whitcher, MCIEEM.	Date: 18th August 2013.

Checked by:	
Derek Whitcher. BSc, MCIEEM, MCMI.	Date: 22nd August 2013.

Appendix I. BAT INFORMATION.

It is necessary to understand a little about bats, their basic nature, ecology and legal protection in order to evaluate the findings of this report.

Over 15 species of bat have been recorded in Britain. These fall into two families, the horseshoe bats and the 'ordinary bats'. They are extremely difficult to identify in the hand and even more so in flight.

All appear to be diminishing in numbers, probably due to shortage of food, caused by pesticides, as insects are their sole diet, and habitat change.

As their diet consists solely of insects, bats hibernate during the winter when their food source is at its most scarce. They will spend the winter in hollow trees, caves, mines and the roofs of buildings.

Certain species, particularly the pipistrelle (the commonest and most widespread British bat) can quickly adapt to man made structures and will readily use these to roost and to rear their young.

Bats are protected under the Wildlife and Countryside Act 1981, The Habitats Regulations 1994 and the Countryside & Rights of Way Act 2000.

It is an offence to intentionally or recklessly kill, injure or capture or disturb bats or to damage, destroy or obstruct access to any place used by bats for shelter or protection.

A breeding or resting site of any bat is known as a bat roost. A bat roost is therefore any structure a bat uses for shelter or protection. Because bats tend to use the same roosts each year, legal opinion is that the roost site is protected whether or not the bats are present at that time.

Bat roosts can be identified by looking for:-

- Suitable holes, cracks and crevices.
- Bat droppings.
- Prey remains.
- By carrying out night observations using a bat detector.

Where development proposals are likely to affect a bat roost site, a licence is required from Natural England.

The person applying for that licence has to be suitably qualified and experienced in bat matters. That person is then responsible for ensuring that the measures contained in the licence are carried out.

Appendix II. SCHEDULE 9 INVASIVE PLANT SPECIES.

1. Schedule 9 of the Wildlife and Countryside Act 1981 contains a list of invasive species of plant. Species listed under Schedule 9 are prohibited from release into the wild. Schedule 9, Section 14(2) prohibits 'planting' or 'causing to grow' in the wild of any plant listed in Part 2 of Schedule 9.

2. The following is a list of all the species of plant listed under Schedule 9 of The Wildlife and Countryside Act 1981.

Common Name	***Latin Name***
Alexanders, Perfoliate	*Smyrnium perfoliatum*
Algae, Red	*Grateloupia luxurians*
Archangel, Variegated Yellow	*Lamiastrum galeobdolon subsp. Argentatum*
Azalea, Yellow	*Rhododendron luteum*
Balsam, Himalayan	*Impatiens glandulifera*
Cotoneaster	*Cotoneaster horizontalis*
Cotoneaster, Entire Leaved	*Cotoneaster integrifolius*
Cotoneaster, Himalayan	*Cotoneaster simonsii*
Cotoneaster, Hollyberry	*Cotoneaster bullatus*
Cotoneaster, Small Leaved	*Cotoneaster microphyllus*
Creeper, False Virginia	*Parthenocissus inserta*
Creeper, Virginia	*Parthenocissus quinquefolia*
Dewplant, Purple	*Disphyma crassifolium*
Fanwort (Carolina Water-Shield)	*Cabomba caroliniana*
Fern, Water	*Azolla filiculoides*
Fig, Hottentot	*Carpobrotus edulis*
Garlic, Three-cornered	*Allium triquetrum*
Hyacinth, Water	*Eichhornia crassipes*
Kelp, Giant	*Macrocyctis pyrifera*
Kelp, Giant	*Macrocystis angustifolia*
Kelp, Giant	*Macrocystis intergrifolia*
Kelp, Giant	*Macrocystis laevis*
Kelp, Japanese	*Laminarial japonica*
Knotweed, Giant	*Fallopia sachalinensis*
Knotweed, Hybrid	*Fallopia japonica x Fallopia*

	sachalinensis
Knotweed, Japanese	*Fallopia japonica*
Leek, Few-flowered	*Allium paradoxum*
Lettuce, Water	*Pistia stratiotes*
Montbretia	*Crocosmia x crocosmiiflora*
Parrot's Feather	*Myriophyllum aquaticum*
Pennywort, Floating	*Hydrocotyle ranunculoides*
Potato, Duck	*Sagittaria latifolia*
Primrose, Floating Water	*Ludwigia peploides*
Primrose, Water	*Ludwigia grandiflora*
Primrose, Water	*Ludwigia uruguayensis*
Rhododendron	*Rhododendron ponticum*
Rhododendron	*Rhododendron ponticum x Rhododendron maximum*
Rhubarb, Giant	*Gunnera tinctoria*
Rose, Japanese	*Rosa rugosa*
Salvinia, Giant	*Salvinia molesta*
Seafingers, Green	*Codium fragile*
Seaweed, Californian Red	*Pikea californica*
Seaweed, Hooked Asparagus	*Asparagopsis armata*
Seaweed, Japanese	*Sargassum muticum*
Seaweeds, Laver (except native species)	*Porphyra spp except*
	p. amethystea
	p. leucosticte
	p. linearis
	p. miniata
	p. purpurea
	p. umbilicalis
Stonecrop, Australian Swamp (New Zealand Pygmyweed)	*Crassula helmsii*
Wakame	*Undaria pinnatifida*
Waterweed, Curly	*Lagarosiphon major*
Waterweeds	*All species of the genus Elodea*

3. The Government has acknowledged the problems that can be caused by non-native invasive species. In 2008 the Government launched "The Invasive Non-Native Species Framework Strategy for Great Britain". The strategy provides a framework

for a more co-ordinated approach to invasive species management. It seeks to create a stronger sense of shared responsibility across government, key orgainisations, land managers and the public.
4. The Non Native Species Secretariat has been established to oversee the implementation of the strategy. Details of the secretariat including risk assessments and action plans for some species are available at www.nonnativespecies.org.

5. In general there are four basic methods of controlling weeds; mechanical, chemical, natural and environmental.

5.1. Mechanical control includes cultivation, hoeing, pulling, cutting, raking, dredging or other methods to uproot or cut weeds.

5.2. Where this method is used all plant material must be considered “controlled waste” and must be disposed of properly.

5.3. Chemical control uses approved herbicides.

5.4. Natural control uses pests and diseases of the target weed to weaken it and prevent it from becoming a nuisance.

5.5. Environmental control works by altering the environment to make it less suitable for weed growth, for example by increasing or decreasing water velocity.

Appendix III. NESTING BIRD INFORMATION.

It is necessary to understand a little about the legal protection offered to nesting birds in order to evaluate the findings of this report.

Part 1.-(1) Of the Wildlife and Countryside Act 1981states that:-

If any person intentionally:-

(a) kills, injures or takes any wild bird;
(b) takes, damages or destroys the nest of any wild bird while that nest is in use or being built; or
(c) takes or destroys an egg of any wild bird,

he shall be guilty of an offence.

Part 1.-(5) of the Act states that:-

If any person intentionally:-

(a) disturbs any wild bird included in Schedule 1 while it is building a nest or is in, on, or near a nest containing eggs or young; or
(b) disturbs young of such a bird,

he shall be guilty of an offence and liable to a special penalty.

The Countryside and Rights of Way Act 2000 amends the above by inserting after “intentionally” the words “or recklessly”.

The nesting season will vary according to the weather each year but generally commences in early April, peaks during May and June and continues until mid August.

It is also worth remembering that some birds nest in trees and scrub but others are ground nesting.

The best way to avoid this issue is to plan for vegetation clearance to be carried out outside the bird-nesting season.

Appendix IV. DATA SEARCH RESULTS.

Bat Conservation Trust
Partner Group

Jenny Whitcher Roebuck
Whitcher Wildlife Ltd,
Cliff Edge,
Cliff Road,
Darfield,
Barnsley,
S73 9HR

25th March 2013

Project: SE343010; 3 Rockley Lane, Birdwell

Dear Jenny,

Further to your request, all grid squares around 1 km of SE343010 were searched in the South Yorkshire Bat Group Database. The records found from the search can be seen on the following page.

Our charge for performing this data search is £30.00 and an invoice will be sent in due course.

In addition to the records below, up until the mid 2000's Rockley Engine House at approx SE3370901770 used to have a summer Natterer's roost and was included in NBMP surveys. SYBG have surveyed this site on several occasions since but it appears the bats have now moved elsewhere.

To ensure that our database is as comprehensive as possible and therefore of greatest benefit to users in the future, we would appreciate a copy of any bat records made during your project.

Please note the South Yorkshire Bat Group data-set contains information gathered as part of the National Bat Monitoring Programme via the Bat Conservation Trust. Please see the enclosed notes on interpreting the metadata from NBMP surveys.

Please do not hesitate to contact us if you require any further information.

South Yorkshire Bat Group

Grid square	Date	Location	Recorder	Survey type	Species	Roost/type	Notes
SE3302	2011	Rockley	P. Middleton	survey	Natterer's		7 counted in tunnel
SE3300	2011	Redbrook	P. Middleton	survey	Common pipistrelle		2 counted flying around trees
SE3400	2003	West Wood, New Rd, Tankersley	English Nature	Call out			Bat found in school grounds. Successfully released
SE3400	2008	Walker Road, Tankersley	Natural England	Call out	Pipistrelle		Injured bat collected. Bat died
SE3500	2005	Carr Lane, Tankersley	English Nature	Call out	pipistrelle	roost	67 counted emerging from roof space of residential property

Appendix V. BBRC DATA SEARCH RESULTS.

Grid Ref	Location	Location Name	Date	Group	Common Name	Comments
SE352010	Birdwell pond 3		01/01/2005	amphibian	Common Frog	
SE352010	Birdwell pond 3		01/01/2005	amphibian	Smooth Newt	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Sparrowhawk	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Sparrowhawk	
SE342011	Birdwell Bridge	Scrub on north-east side of M1	15/02/2013	bird	Long-Tailed Tit	
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Long-Tailed Tit	Breeding probable
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Long-Tailed Tit	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Long-Tailed Tit	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Long-tailed Tit	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Long-tailed Tit	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Skylark	Breeding probable
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Red-Legged Partridge	Breeding probable
SE3401	Birdwell		10/01/2011	bird	Waxwing	4 Count
SE3401	Birdwell		10/01/2011	bird	Waxwing	
SE30K	Birdwell		12/03/2004	bird	Waxwing	
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Buzzard	Breeding probable
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Goldfinch	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Goldfinch	Breeding probable
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Goldfinch	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Goldfinch	
SE3401	Birdwell		25/01/2004	bird	Goldfinch	in garden
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Greenfinch	Breeding probable

SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Greenfinch	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Greenfinch	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Greenfinch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Greenfinch	
SE30K	Birdwell	Birdwell Wood	25/03/2004	bird	Redpoll	
SE3301	Rockley		12/12/2010	bird	Siskin	
SE3301	Rockley		15/02/2009	bird	Siskin	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Siskin	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Siskin	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Siskin	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Siskin	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Rock Pigeon	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Rock Pigeon	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Woodpigeon	Breeding confirmed
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Woodpigeon	Breeding confirmed
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	

SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Wood Pigeon	
SE3301	Rockley Valley		01/11/1998	bird	Woodpigeon	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Carrion Crow	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Carrion Crow	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Carrion Crow	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Carrion Crow	Breeding probable
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Jackdaw	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Jackdaw	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	

SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE334014	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	bird	Great Spotted Woodpecker	
SE3301	Rockley		15/02/2009	bird	Great Spotted Woodpecker	lots of chasing around ponds
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Spotted Woodpecker	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Spotted Woodpecker	
SE3301	Rockley Woods LWS	Rockley Woods 23	01/01/2005	bird	Lesser Spotted Woodpecker	record outside 5 yrs but may still breed
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Robin	Breeding confirmed
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Robin	Breeding confirmed
SE338002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE338002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	

SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	European Robin	
SE3301	Rockley Valley		12/09/1999	bird	Merlin	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Chaffinch	Breeding confirmed
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Chaffinch	Breeding confirmed
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Chaffinch	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Chaffinch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Chaffinch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Chaffinch	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Chaffinch	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Chaffinch	
SE3301	Rockley Abbey Wood, Rockley Valley		10/10/1999	bird	Jay	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Swallow	Breeding probable

SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Swallow	Breeding probable
SE340009	Birdwell Bridge	Pilley Lane	15/02/2013	bird	Pied Wagtail	
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Coal Tit	Breeding probable
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Coal Tit	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Coal Tit	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Coal Tit	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Blue Tit	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Blue Tit	Breeding confirmed
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blue Tit	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Great Tit	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Great Tit	Breeding confirmed
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	

SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Great Tit	
SE3301	Rockley Woods LWS	Rockley Woods 23	01/01/2005	bird	Willow Tit	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	House Sparrow	Breeding confirmed
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE338002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE338002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	House Sparrow	
SE347003	'BARNSLEY MBC'	Barnsley	27/01/2008	bird	House Sparrow	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Coal Tit	

SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Coal Tit	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Coal Tit	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Pheasant	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Pheasant	Breeding probable
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Pheasant	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Pheasant	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Chiffchaff	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Chiffchaff	Breeding confirmed
SE337008	Pilley	Pilley Ln	21/03/2012	bird	Willow Warbler	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Black-billed Magpie	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Black-billed Magpie	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Black-billed Magpie	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Black-billed Magpie	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Black-billed Magpie	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Black-billed Magpie	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Dunnock	Breeding confirmed
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Dunnock	Breeding probable
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	

SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Hedge Accentor	
SE3301	Rockley Woods LWS	Rockley Woods 23	01/01/2005	bird	Dunnock	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Bullfinch	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Bullfinch	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Bullfinch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Bullfinch	
SE3301	Rockley Woods LWS	Rockley Woods 23	01/01/2005	bird	Bullfinch	
SE3301	Rockley Abbey Wood, Rockley Valley		29/04/2003	bird	Woodcock	
SE3301	Rockley		15/02/2009	bird	Nuthatch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Wood Nuthatch	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Wood Nuthatch	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Wood Nuthatch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Wood Nuthatch	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	

SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Eurasian Collared Dove	
SE30K	Birdwell		04/12/2003	bird	Collared Dove	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Starling	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Starling	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Starling	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Starling	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Starling	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Starling	

SE30K	Birdwell		23/06/2004	bird	Starling	in a Birdwell garden
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Blackcap	Breeding probable
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Blackcap	Breeding confirmed
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Little Grebe	Breeding confirmed
SE3301	Rockley Valley		01/09/1999	bird	Little Grebe	Rockley + Reservoir
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Wren	Breeding confirmed
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Wren	Breeding confirmed
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Winter Wren	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Winter Wren	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Winter Wren	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Winter Wren	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Redwing	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Redwing	
SE3301	Rockley Abbey Farm, Rockley Valley		05/11/2004	bird	Redwing	
SE3300	'BARNSLEY MBC'	SE30F-3	01/05/2010	bird	Blackbird	Breeding confirmed

SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Blackbird	Breeding confirmed
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE338002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Blackbird	
SE338002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE344002	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE346016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE347004	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE347016	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE336003	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE345007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Common Blackbird	
SE347003	'BARNSLEY MBC'	Barnsley	27/01/2008	bird	Blackbird	
SE337002	'BARNSLEY MBC'	Barnsley	27/01/2008	bird	Blackbird	
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Song Thrush	Breeding confirmed

SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Song Thrush	
SE344001	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Song Thrush	
SE3301	Rockley Woods LWS	Rockley Woods 23	01/01/2005	bird	Song Thrush	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Fieldfare	
SE347007	'BARNSLEY MBC'	Barnsley	25/01/2009	bird	Fieldfare	
SE3301	'BARNSLEY MBC'	SE30F-4	01/05/2010	bird	Mistle Thrush	Breeding confirmed
SE338014	Rockley Woods LWS	Old Park Wood	09/02/2013	conifer	Sitka Spruce	a few mature trees on W side of Warren Dike
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	conifer	Austrian Pine	
SE3301	Rockley Woods LWS	Old Park Wood	16/02/2012	conifer	Corsican Pine	many planted, mature trees
SE3301	Rockley Woods LWS	Old Park Wood	16/02/2012	conifer	Corsican Pine	many planted, mature trees
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	conifer	Yew	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	conifer	Yew	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	fern	Lady Fern	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	fern	Broad Buckler-Fern	
SE3301	Rockley Woods LWS	Rockley Furnace	20/02/2013	fern	Broad Buckler-Fern	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	fern	Broad Buckler-Fern	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	fern	Broad Buckler-Fern	
SE342017	'BARNSLEY MBC'	Birdwell Wood South	20/04/2013	fern	Common Male Fern	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	fern	Common Male Fern	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	fern	Common Male Fern	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	fern	Common Male Fern	
SE342017	'BARNSLEY MBC'	Birdwell Wood South	20/04/2013	fern	Hart's-Tongue	
SE338015	Rockley Woods LWS	Old Park Wood	09/02/2013	fern	Hart's-Tongue	numerous in the upper parts of Warren Dike
SE338012	Rockley Woods LWS	Old Park Wood	09/02/2013	fern	Hart's-Tongue	in the drainage dike on south side of main track
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	fern	Hart's-Tongue	
SE341010	Rockley Woods LWS	Old Park Wood	21/02/2013	fern	Soft Shield-Fern	on banks of Warren Dike downstream from Pilley Lane (photographs)
SE340011	Rockley Woods LWS	Old Park Wood	21/02/2013	fern	Soft Shield-Fern	on banks of Warren Dike downstream from Pilley Lane (photographs)

SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	fern	Bracken	
SE341019	'BARNSLEY MBC'	Birdwell Wood	20/04/2013	flowering plant	Sycamore	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Sycamore	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Sycamore	
SE3300	'BARNSLEY MBC'	near Parks Plantation	26/07/2005	flowering plant	Sycamore	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Yarrow	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Horse-Chestnut	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Agrimony	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Common Bent	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Creeping Bent	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Garlic Mustard	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Garlic Mustard	
SE338014	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Ramsons	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Ramsons	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Meadow Foxtail	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Wild Angelica	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Barren Brome	
SE342017	'BARNSLEY MBC'	Birdwell Wood	20/04/2013	flowering plant	Cow Parsley	

SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Cow Parsley	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Cow Parsley	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Lesser Burdock	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	False Oat-Grass	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wormwood	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Mugwort	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Lords-And-Ladies	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Lords-And-Ladies	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Lords-And-Ladies	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Common Orache	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Atriplex prostrata agg.	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wild Oat	
SE3401	'BARNSLEY MBC'	Birdwell Wood	20/04/2013	flowering plant	Silver Birch	numerous in plantations
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Silver Birch	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Silver Birch	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	False-Brome	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Hairy Brome	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Water-Starwort	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Shepherd's-Purse	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Hairy Bitter-Cress	
SE339013	Rockley Woods LWS	Old Park Wood	21/02/2013	flowering plant	Pendulus Sedge	single tuft beside Warren Dike
SE338014	Rockley Woods LWS	Old Park Wood (Warren Dike)	09/02/2013	flowering plant	Pendulus Sedge	large tuft in swampy area where dike floods
SE338014	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Remote Sedge	a single clump in damp area near Warren Dike
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Remote Sedge	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Sweet Chestnut	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Sweet Chestnut	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Red Valerian	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Common Mouse-Ear	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Mouse-Ear	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Climbing Corydalis	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Rosebay Willowherb	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Fat Hen	

SE338012	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Opposite-Leaved Golden-Saxifrage	a good patch on damp ground, N side of main path
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Opposite-Leaved Golden-Saxifrage	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Enchanter's-Nightshade	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Enchanter's-Nightshade	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Creeping Thistle	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Spear Thistle	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Pink Purslane	
SE3301	'BARNSLEY MBC'	Rockley Lane, under M1 bridge	01/04/2007	flowering plant	Danish Scurvygrass	Under M1 bridge
SE3401	'BARNSLEY MBC'	Birdwell Wood South	20/04/2013	flowering plant	Hazel	in young plantations
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Hazel	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Hazel	
SE342017	'BARNSLEY MBC'	Birdwell Wood South	20/04/2013	flowering plant	Hawthorn	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Hawthorn	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Hawthorn	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Hawthorn	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Montbretia	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Crosswort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Crested Dog's-Tail	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Cock's-Foot	
SE342017	'BARNSLEY MBC'	Birdwell Wood North	20/04/2013	flowering plant	Tufted Hair-Grass	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Tufted Hair-Grass	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Tufted Hair-Grass	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Foxglove	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Great Willowherb	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Broad-Leaved Willowherb	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Broad-Leaved Helleborine	
SE3301	Rockley Woods LWS	Old Park Wood	08/08/2009	flowering plant	Broad-Leaved Helleborine	3 stems in flower / going over
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Petty Spurge	
SE341019	'BARNSLEY MBC'	Birdwell Wood, Miller Hill	20/04/2013	flowering plant	Beech	mature trees
SE3301	Rockley Woods LWS	Old Park Wood (east sector)	09/02/2013	flowering plant	Beech	

SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Beech	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Copper Beech	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Black Bindweed	
SE3419200077	Potter Holes Plantation LWS LNR	clearing	08/04/2012	flowering plant	Japanese Knotweed	Work has in during Feb March clearing areas to allow native trees and plants to flourish, but knotweed have responed to the extra light.
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Giant Fescue	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Red Fescue	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wild Strawberry	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Ash	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Ash	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Cleavers	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Cleavers	
SE3401	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Heath Bedstraw	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Herb-Robert	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Herb-Robert	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Herb-Robert	
SE342017	'BARNSLEY MBC'	Birdwell Wood South	20/04/2013	flowering plant	Herb Bennet	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Herb Bennet	
SE337016	Rockley Woods LWS	Old Park Wood	28/03/2013	flowering plant	Herb Bennet	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Herb Bennet	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Herb Bennet	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Ground-Ivy	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Ivy	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Ivy	
SE3401	'BARNSLEY MBC'	Birdwell Wood South	20/04/2013	flowering plant	Hogweed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Hogweed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Yorkshire-Fog	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Creeping Soft-Grass	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wall Barley	
SE3301	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Hop	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Bluebell	

SE337013	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Bluebell	Locally abundant along pathsides.
SE338012	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Bluebell	Locally abundant along pathsides.
SE339012	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Bluebell	Locally abundant along pathsides.
SE340012	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Bluebell	Locally abundant along pathsides.
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Bluebell	
SE336013	Rockley Woods LWS	Old Park Wood	01/02/2013	flowering plant	Bluebell	shoots emerging
SE336013	Rockley Woods LWS	Old Park Wood	01/02/2013	flowering plant	Bluebell	shoots emerging
SE337016	Rockley Woods LWS	Old Park Wood	28/01/2013	flowering plant	Bluebell	shoots emerging
SE337016	Rockley Woods LWS	Old Park Wood	28/01/2013	flowering plant	Bluebell	shoots emerging
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Bluebell	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Bluebell	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Cat's-Ear	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Holly	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Holly	

SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Holly	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Holly	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Prickly Lettuce	
SE337013	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Yellow Archangel	Occasional along pathsides.
SE340011	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Yellow Archangel	Locally abundant along pathsides.
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Yellow Archangel	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Yellow Archangel	
SE3301	'BARNSLEY MBC'	Rockley Abbey Farm	09/02/2013	flowering plant	Red Dead-Nettle	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Nipplewort	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Autumnal Hawkbit	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Wild Privet	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Perennial Rye-Grass	
SE339013	Rockley Woods LWS	Old Park Wood	21/02/2013	flowering plant	Honeysuckle	
SE339013	Rockley Woods LWS	Old Park Wood	21/02/2013	flowering plant	Honeysuckle	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Honeysuckle	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Honeysuckle	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Bird's-Foot-Trefoil	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Apple	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Pineapple Weed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Pineapple Weed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Scented Mayweed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Black Medick	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Wood Melick	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wood Melick	
SE334014	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Dog's Mercury	Locally abundant along pathsides.
SE335014	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Dog's Mercury	Locally abundant along pathsides.
SE337013	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	flowering plant	Dog's Mercury	Locally abundant along pathsides.
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Dog's Mercury	
SE3301	Rockley Woods LWS	Old Park Wood	28/01/2013	flowering plant	Dog's Mercury	widespread in the wood, some fresh shoots in flower
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Dog's Mercury	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Dog's Mercury	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wood Millet	

SE352010	'BARNSLEY MBC'	Shortwood South pond	13/06/2012	flowering plant	Hemlock Water-Dropwort	plants have spread around the pond since one plant was found in 2008
SE352010	'BARNSLEY MBC'	Shortwood South pond	20/06/2008	flowering plant	Hemlock Water-Dropwort	a clump on W edge of pond
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Wood-Sorrel	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wood-Sorrel	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Poppy	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Redshank	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Ribwort Plantain	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Greater Plantain	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Annual Meadow-Grass	
SE3301	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Wood Meadow-Grass	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Smooth Meadow-Grass	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Rough Meadow-Grass	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Knotgrass agg.	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Poplar	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	White Poplar	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Balm-Of-Gilead	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Sessile Oak	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Sessile Oak	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Pedunculate Oak	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Pedunculate Oak	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Meadow Buttercup	
SE338015	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Lesser Celandine	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Creeping Buttercup	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Rhododendron	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Rhododendron	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Black Currant	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Gooseberry	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Gooseberry	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Gooseberry	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Field Rose	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Dog Rose	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Bramble	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Bramble	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Bramble	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Sorrel	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Curled Dock	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Broad-Leaved Dock	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wood Dock	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Procumbent Pearlwort	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Goat Willow	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Elder	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Elder	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Common Figwort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Figwort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Silver Ragwort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Ragwort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Oxford Ragwort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Groundsel	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Red Campion	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Hedge Mustard	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Prickly Sow-Thistle	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Smooth Sow-Thistle	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Rowan	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Rowan	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Hedge Woundwort	

SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Hedge Woundwort	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Greater Stitchwort	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Common Chickweed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Chickweed	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Russian Comfrey	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Feverfew	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Dandelion Agg.	
SE3301	Rockley Woods LWS	Old Park Wood	09/02/2013	flowering plant	Dandelion	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Lesser Trefoil	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Red Clover	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	White Clover	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Colt's-Foot	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Wych Elm	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Wych Elm	
SE348015	'BARNSLEY MBC'	Birdwell, Hay Green Lane Wood	20/04/2013	flowering plant	Common Nettle	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Common Nettle	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Common Nettle	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Germander Speedwell	
SE3400	'BARNSLEY MBC'	Barnsley MBC	26/02/2006	flowering plant	Common Field-Speedwell	

SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Guelder-Rose	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Vetch	
SE3301	Rockley Woods LWS	Old Park Wood	01/07/2010	flowering plant	Common Dog-Violet	
SE3300	'BARNSLEY MBC'	near Pilley village	26/07/2005	flowering plant	Rat's-Tail Fescue	
SE337013	Old Park Wood BMB	Footpath from Pilley Lane	15/02/2013	fungus	Jelly Ear	On dead elder.
SE342000	Potter Holes Plantation LWS LNR	Potter Holes BLWS	17/10/2011	insect - beetle (Coleoptera)	Harlequin Ladybird	adult plus many larvae on bench
SE3301	Rockley Woods LWS	Old Park Wood	01/01/2013	liverwort	Great Scented Liverwort	
SE338016	Rockley Woods LWS	Old Park Wood	05/04/2007	liverwort	Great Scented Liverwort	on banks of stream
SE3401	Birdwell		06/03/2007	liverwort	Variable-leaved Crestwort	
SE338015	Rockley Woods LWS	Old Park Wood	28/01/2013	liverwort	Overleaf Pellia	
SE338015	Rockley Woods LWS	Old Park Wood	05/04/2007	liverwort	Overleaf Pellia	on soil near stream
SE3401	Birdwell		06/03/2007	moss	Creeping Feather-moss	
SE335014	Rockley Woods LWS	Old Park Wood	01/01/2013	moss	Common Smoothcap	on soil beside track

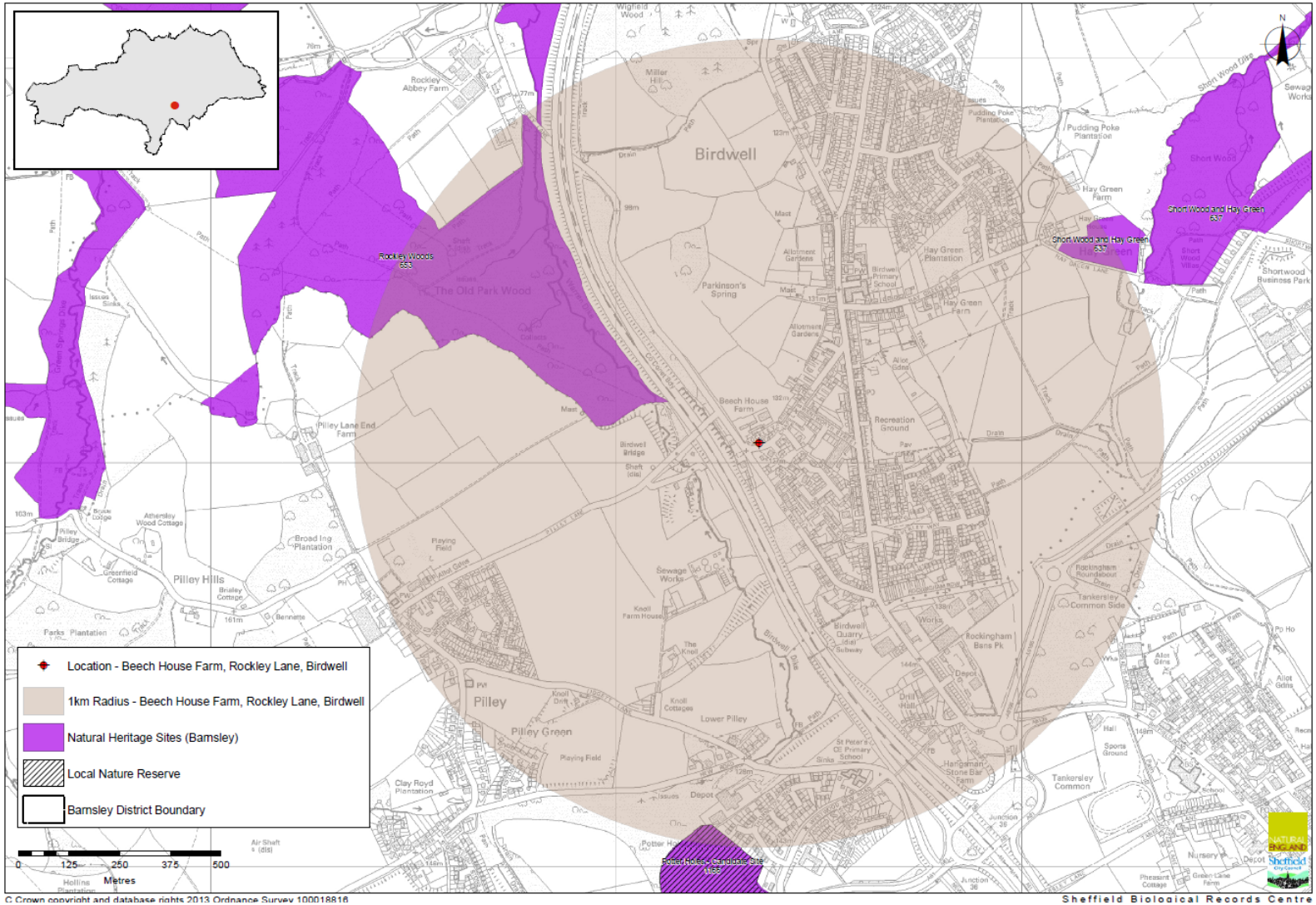
SE3401	Birdwell		06/03/2007	moss	Bud-headed Groove-moss	
SE3401	Birdwell		06/03/2007	moss	Lesser Bird's-claw Beard-moss	
SE3401	Birdwell		06/03/2007	moss	Bird's-claw Beard-moss	
SE336013	Rockley Woods LWS	Old Park Wood	01/01/2013	moss	Rough-stalked Feather-moss	on log, capsules present
SE3401	Birdwell		06/03/2007	moss	Rough-stalked Feather-moss	
SE3401	Birdwell		06/03/2007	moss	Silver-moss	
SE3401	Birdwell		06/03/2007	moss	Bryum bicolor	
SE3401	Birdwell		06/03/2007	moss	Capillary Thread-moss	
SE3401	Birdwell		06/03/2007	moss	Heath Star Moss	
SE3401	Birdwell		06/03/2007	moss	Redshank	
SE3401	Birdwell		06/03/2007	moss	Silky Forklet-moss	
SE3401	Birdwell		06/03/2007	moss	Common Feather-moss	
SE3401	Birdwell		06/03/2007	moss	Grey-cushioned Grimmia	
SE3401	Birdwell		06/03/2007	moss	Elegant Silk-moss	
SE336013	Rockley Woods LWS	Old Park Wood	06/04/2013	moss	Swan's-neck Thyme-moss	on decaying tree stump, fresh capsules present
SE338014	Rockley Woods LWS	Old Park Wood	01/01/2013	moss	Swan's-neck Thyme-moss	on steep earth bank

SE3401	Birdwell		06/03/2007	moss	Swan's-neck Thyme-moss	
SE339013	Rockley Woods LWS	Old Park Wood	06/04/2013	moss	Wood Bristle-moss	on branch of crack willow
SE339013	Rockley Woods LWS	Old Park Wood	06/04/2013	moss	Elegant Bristle-moss	on crack willow, fresh capsules
SE3401	Birdwell		06/03/2007	moss	Yellow Fringe-moss	
SE3401	Birdwell		06/03/2007	moss	Clustered Feather-moss	
SE3401	Birdwell		06/03/2007	moss	Schistidium apocarpum	
SE3401	Birdwell		06/03/2007	moss	Intermediate Screw-moss	
SE3401	Birdwell		06/03/2007	moss	Water Screw-moss	
SE3401	Birdwell		06/03/2007	moss	Wall Screw-moss	
SE339013	Rockley Woods LWS	Old Park Wood	01/01/2013	moss	Bruch's Pincushion	on willow branches, old capsules present
SE347016	Birdwell	32 Osprey Avenue, Birdwell, Barnsley, S70 5SH	30/05/2008	terrestrial mammal	Pipistrelle	Record emailed to WYE from John Gardner on 02/06/2008. Injured Common pip (male), collected from 32 Osprey Avenue.

SE3401		Sheffield Road Birdwell, Barnsley MDC	05/07/2006	terrestrial mammal	Pipistrelle	roost
SE346015	'BARNSLEY MBC'	14 Kestrel Rise Birdwell	25/05/2000	terrestrial mammal	Pipistrelle	maternity roost 39 emerged
SE347016	'BARNSLEY MBC'	Asprey Avenue Birdwell	22/08/2001	terrestrial mammal	55 Khz Pipistrelle	1

Statutory and Non-statutory Nature Conservation Sites - Beech House Farm, Rockley Lane, Birdwell

Date - 03 Jul 2013



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