

Hinchliffe Mill,
Holmfirth, HD9 2NX

Preliminary Ecological Appraisal

February 2021

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1 Introduction

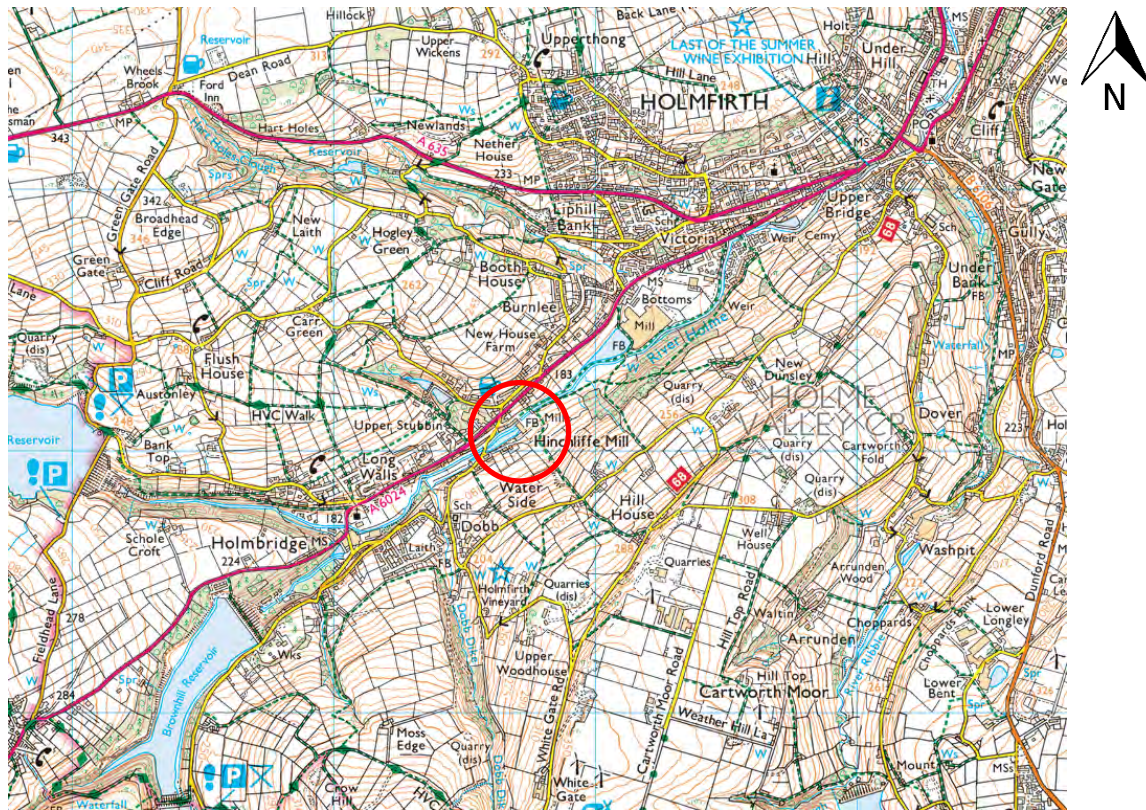
- 1.1.1.1 This report presents the results of a Preliminary Ecological Appraisal undertaken on land at Hinchliffe Mill, Water Street, Holmfirth, HD9 2NX. The study area (see Figure 1) extends to approximately 1.7 hectares and is centred at approximate grid reference SE12700707.
- 1.1.1.2 The aims of this assessment were to identify the habitat types present on the site, to assess the potential for protected / notable species to occur and to make any recommendations for further surveys or assessments which may be required to inform a planning application for a proposed industrial development at the site.
- 1.1.1.3 A preliminary ecological appraisal survey was conducted on 7th January 2021 by Toby Fisher MCIEEM CEnv. A desk-based study was also undertaken to obtain existing ecological records for the site and the surrounding area.
- 1.1.1.4 An Extended Phase 1 Habitat Survey was undertaken at the site in 2020¹. All key relevant information from the Extended Phase 1 Habitat Survey has been reproduced and updated in this report.

Figure 1. Site area outlined red (aerial imagery dated 2019)



¹ Whitcher Wildlife Ltd. (2020). Hinchliffe Mill, Holmfirth. OS Ref: Se 12721 07089. Extended Phase I Habitat Survey. Ref No: 200829. Date: 21st August 2020

Figure 2. Site location



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2 Methodology

2.1 Desk Study

- 2.1.1.1 West Yorkshire Ecology Service (WYES) was contacted for searches of protected sites and records of protected species within a 2 km radius of the site.
- 2.1.1.2 In addition, the following data sources were searched for statutorily protected sites and additional ecological data of relevance to the assessment such as off-site waterbodies:
- Multi Agency Geographic Information for the Countryside (MAGIC).
 - Ordnance Survey 1:10,000 mapping.
 - Aerial imagery (dated 2019).

2.2 Personnel

- 2.2.1.1 The Preliminary Ecological Appraisal survey was undertaken by Toby Fisher CEnv MCIEEM^{2 3}.

2.3 Preliminary Ecological Field Survey

- 2.3.1.1 A Preliminary Ecological Appraisal of the site was conducted on 7th January 2021 by Toby Fisher CEnv MCIEEM in accordance with the standard survey methodology^{4 5}.
- 2.3.1.2 The habitats on the site were assessed and categorised in order to provide baseline information and subsequent interpretation of the ecological value of the site. In addition, the site was searched for evidence of protected / notable species and assessed in terms of its potential to support protected / notable species such as badger, great crested newt, water vole, reptiles and bat species. The trees on the site were inspected from ground level for evidence of bats and for potential bat roost features, using close-focussing binoculars. The built structures at the site were searched for evidence of bats and were assessed in terms of their potential to support bat roosts. The building on the site was fully inspected internally and externally except for the basement which was not safely accessible.

2.4 Limitations

- 2.4.1.1 The preliminary ecological appraisal survey was undertaken outside the optimum season for Phase 1 habitat surveys (May to September/October). During the survey it was possible to identify broad habitat types; a survey during the optimal season would be expected to reveal a greater number of plant species. The building on the site was fully inspected internally and externally except for the basement which is unsafe following a previous fire and was not safe to enter. There were no other access restrictions. Overall, there were no significant limitations given the aims of the assessment.

² Natural England Class Licence Registration No. 2015-10756-CLS-CLS - CL18 Level 2 (Bats).

³ Natural England Class Licence Registration No. WML- CL08:2015-16681-CLS-CLS (Great Crested Newts).

⁴ JNCC, (2010), Handbook for Phase 1 habitat survey - a technique for environmental audit, ISBN 0 86139 636 7.

⁵ Chartered Institute of Ecology and Environmental Management (CIEEM). (2017). Guidelines for Preliminary Ecological Appraisal, Second Edition. December 2017. CIEEM, Winchester.

3 Results

3.1 Desk Study

3.1.1.1 Information provided by WYES is included at Appendix 3.

3.1.2 Internationally / Nationally Protected Sites

3.1.2.1 **Rake Dike SSSI** (Site of Special Scientific Interest) is a geological SSSI located approximately 1.91 km south-west of the site.

3.1.2.2 There is one site within 2 km of the site which is comprehensively designated as a SSSI/SAC/SPA⁶. The site is located approximately 1.93 km south of the site and is designated as follows:

- **Dark Peak SSSI.** The SSSI has 24 Monitored Features:
 - o Acid grassland (upland)
 - o Aggregations of breeding birds - Curlew, Numenius arquata
 - o Aggregations of breeding birds - Golden plover, Pluvialis apricaria
 - o Aggregations of breeding birds - Merlin, Falco columbarius
 - o Aggregations of breeding birds - Short-eared owl, Asio flammeus
 - o Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina
 - o Assemblages of breeding birds - Upland moorland and grassland with water bodies
 - o Blanket bog and valley bog (upland)
 - o EO - Namurian
 - o EW - Namurian
 - o FB - Quaternary of the Pennines and adjacent areas
 - o IA - Fluvial Geomorphology
 - o IA - Mass Movement
 - o Invert. assemblage F221 montane & upland
 - o IS - Quaternary of the Pennines and adjacent areas
 - o Lowland dry acid grassland (U4/20)
 - o Mire grasslands and rush pastures (upland)
 - o Population of declining plant species and species at the edge of their range - Vaccinium x intermedium, Hybrid Bilberry
 - o Population of dragonfly - Cordulegaster boltonii, Golden-ringed Dragonfly
 - o Short sedge acidic fen (upland)
 - o Subalpine dwarf-shrub heath
 - o Upland oakwood
 - o Wet heath (upland)
 - o Wet woodland.
- **South Pennine Moors SAC.** The SAC Qualifying Features are listed as follows:
 - o H4010. Northern Atlantic wet heaths with Erica tetralix; Wet heathland with cross-leaved heath
 - o H4030. European dry heaths
 - o H7130. Blanket bogs*
 - o H7140. Transition mires and quaking bogs; Very wet mires often identified by an unstable 'quaking' surface
 - o H91A0. Old sessile oak woods with Ilex and Blechnum in the British Isles.
- **Peak District Moors (South Pennine Moors Phase 1) SPA.** The SAC Qualifying Features are listed as follows:
 - o A098 Falco columbarius; Merlin (Breeding)
 - o A140 Pluvialis apricaria; European golden plover (Breeding)
 - o A222 Asio flammeus; Short-eared owl (Breeding).

⁶ SSSI = Site of Special Scientific Interest; SAC = Special Area of Conservation; SPA = Special Protection Area.

3.1.3 *Locally Designated Sites*

3.1.3.1 WYES confirmed the presence of five Local Wildlife Sites (LWS) within 2 km of the site. All five of these sites are within 1 km of the site:

- Malkin House Wood located approximately 260 metres north-east of the site.
- Carr Green Meadows Holmbridge located approximately 570 metres north-west of the site.
- Yateholme Reservoirs and Plantations located approximately 695 metres south-west of the site.
- Digley Reservoir / Marsden Clough located approximately 725 metres south-west of the site.
- New Laithe Fields Holmbridge located approximately 850 metres north-west of the site.

3.1.4 *Other Non-Statutory Designations*

3.1.4.1 WYES confirmed the presence of several areas of Kirklees Wildlife Habitat Network (KWHN) within 2 km of the site; the mill pond within the site and the River Holme along the northern edge of the site are included within the KWHN.

3.1.4.2 WYES confirmed that there are no areas of woodland listed on the West Yorkshire Ancient Woodland Inventory within 2 km of the site.

3.1.5 *Species Records*

Amphibians

3.1.5.1 WYES provided no records of amphibians within 2 km of the site.

Reptiles

3.1.5.2 WYES provided two records of reptiles; both are over 100 years old and located over 1 km from the site (grass snake record dated 1913; and viviparous lizard record dated 1914).

Birds

3.1.5.3 WYES provided multiple records of birds within 2 km of the site. The only records within 500 metres of the site comprised barn swallow and goldfinch. No records of barn owl or kingfisher.

Invertebrates

3.1.5.4 WYES provided several records of notable invertebrates within 2 km of the site including several West Yorkshire Priority Species from grid reference SE12320694 approximately 260 metres west of the site.

Crustaceans

3.1.5.5 No records.

Brown hare

3.1.5.6 WYES provided four records of brown hare but none within 500 metres of the site.

Hedgehog

3.1.5.7 No records.

Water vole

3.1.5.8 No records.

Otter

3.1.5.9 No records.

Bats

3.1.5.10 WYES provided 84 records of bats comprising the following species: common pipistrelle, soprano pipistrelle, pipistrelle species, noctule, Leisler's, Daubenton's, whiskered, brown long-eared and unidentified bat. The following records are from within 500 metres of the site:

- A roost of 1 common pipistrelle bat within the site itself at grid reference SE1274707096, dated 01/06/2010.
- Field records of common pipistrelle, soprano pipistrelle, pipistrelle, noctule, Daubenton's and unidentified bat within the site itself at grid references SE1274707096 and SE127071, dated 18/08/2007 and 01/06/2010.
- Roost of pipistrelle at grid ref. SE1253007140 approximately 115 metres north-west of the site, dated 10/07/2007.
- Field records of common pipistrelle and unidentified *Myotis* species bat at grid reference SE1244207092 approximately 155 metres north-west of the site, dated 09/07/2013.
- 1 grounded unidentified bat at grid reference SE12470721 approximately 210 metres north-west of the site, dated 17/08/2007.
- Field records of common pipistrelle at grid reference SE128074 approximately 250 metres north-north-east of the site, 30/06/2008.
- Field record of 5 common pipistrelles at grid reference SE122068 approximately 350 metres west of the site, dated 06/09/2015.
- 1 adult unidentified bat in building at grid reference SE12540651, approximately 480 metres south of the site, dated 21/08/2003.
- Field record of 3 common pipistrelles at grid reference SE122067 approximately 350 metres south-west of the site, dated 06/09/2015.
- Maternity roost of common pipistrelle at grid reference SE1232306569 approximately 495 metres south-west of the site, dated 2010 - 2015.

3.2 Preliminary Ecological Field Survey

3.2.1.1 Please also refer to Figure 3 and photos included in Appendix 2. The site extends to approximately 1.7 hectares. The landform of the site steps down from approximately 180 metres above sea level in the south-eastern part of the site to approximately 170 metres above sea level alongside the River Holme in the north-eastern corner of the site.

3.2.1.2 The site is located within the settlement of Hinchliffe Mill approximately 1.8 km south-west of Holmfirth town centre and approximately 10 km south of Huddersfield town centre. The site is bordered to the north by the River Holme with housing beyond; to the west by housing; and to the south and east by pasture farmland.

3.2.2 Habitats

Bare ground, hard standing and walls

3.2.2.1 The bare ground, hard standing and walls at the site are largely devoid of vegetation except for sparse vegetation comprising species such as silver birch *Betula pendula*, Yorkshire fog *Holcus lanatus*, red fescue *Festuca rubra*, red valerian *Centranthus ruber*, groundsel *Senecio vulgaris*, creeping bent *Agrostis stolonifera*, creeping buttercup *Ranunculus repens*, false oat-grass *Arrhenatherum elatius*, ribwort plantain *Plantago lanceolata*, spear thistle *Cirsium vulgare*, smooth sow-thistle *Sonchus oleraceus*, foxglove *Digitalis purpureum*, hart's-tongue fern *Asplenium scolopendrium*, common nettle *Urtica dioica*, sycamore *Acer pseudoplatanus*, ivy-leaved toadflax *Cymbalaria muralis* and creeping thistle *Cirsium arvense*.

Ephemeral / short perennial

- 3.2.2.2 Ephemeral / short perennial vegetation has become established on former bare ground in the eastern part of the site. Species present include common bent *Agrostis capillaris*, red fescue, spear thistle, broad-leaved dock *Rumex obtusifolius*, Yorkshire fog, butterfly bush *Buddleja davidii*, tufted hair-grass *Deschampsia cespitosa*, common ragwort *Senecio jacobaea*, silver birch, ribwort plantain, greater willowherb *Epilobium hirsutum*, rosebay willowherb *Chamerion angustifolium* and bramble *Rubus fruticosus* agg.

Semi-improved grassland

- 3.2.2.3 Semi-improved grassland at the site is unmown and supports species including cock's-foot, Yorkshire fog, yarrow *Achillea millefolium*, tufted hair-grass, red clover *Trifolium pratense*, creeping buttercup, common bent, ribwort plantain, creeping thistle, common ragwort, soft rush, grey willow, bramble, foxglove, creeping bent, soft rush *Juncus effusus*, common mouse-ear *Cerastium fontanum* and white clover with toad rush *Juncus bufonius* present in waterlogged areas.

Broad-leaved trees and semi-natural woodland

- 3.2.2.4 Broad-leaved trees and semi-natural woodland is dominated by sycamore and goat willow *Salix caprea* with occasional ash *Fraxinus excelsior* and alder *Alnus glutinosa*. Where the trees form a closed canopy, the ground flora and shrub layer includes bramble, common nettle, male fern, cock's-foot, dog rose *Rosa canina*, opposite-leaved golden saxifrage *Chrysosplenium oppositifolium*, hogweed *Heracleum sphondylium*, tufted hair-grass, holly *Ilex aquifolium*, creeping buttercup and honeysuckle *Lonicera periclymenum*. Within the woodland in the southern part of the site (Target Note 1, Figure 3), a channel of flowing water upto approximately 30cm wide and 2-3cm deep flowed through the woodland.

Scrub

- 3.2.2.5 Scrub is abundant at the site and is generally dominated by grey willow *Salix cinerea*. Additional woody species present include bramble, ash, butterfly bush, silver birch and sycamore.

Open water (flowing)

- 3.2.2.6 The River Holme flows west to east along the site's northern boundary. At the time of the survey, the water was fast flowing with boulders and stones present and the channel held water approximately 6 metres wide and upto 50 cm deep. Species present at the margins include bramble, greater woodrush *Luzula sylvatica*, common nettle, greater willowherb, grey willow, sycamore, soft rush, rosebay willowherb, holly and pendulous sedge *Carex pendula*.

Open water (still)

- 3.2.2.7 The mill pond within the site extends to approximately 2400 square metres (part of this open water area is covered with scrub). No submerged vegetation was observed at the time of the survey. Species present at the margins include grey willow, soft rush, goat willow, hawthorn, purple loosestrife *Lythrum salicaria* and tufted hair-grass.

Invasive weeds

- 3.2.2.8 One invasive weed listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) (Sch 9 WCA) was recorded at the site: a small area of variegated yellow archangel *Lamiastrum galeobdolon* subsp. *argentatum* is present to the south of the mill pond. The previous survey¹ identified small areas of Japanese knotweed *Fallopia japonica*, Himalayan balsam *Impatiens glandulifera* and cotoneaster *Cotoneaster horizontalis* within the site and it is possible that an update survey during May-September would identify the continued presence of these Schedule 9 species within the site.

3.2.3 Birds

- 3.2.3.1 A limited range of birds was observed during the survey. Species observed within and adjacent to the site included blue tit, blackbird, woodpigeon, feral pigeon, grey wagtail, wren, goldfinch, mallard,

great tit, coal tit and robin. No Species of Principal Importance for the conservation of biodiversity in England⁷ were recorded at the site.

- 3.2.3.2 Species of Principal Importance for the conservation of biodiversity in England and/or West Yorkshire Priority Species⁸ such as bullfinch, song thrush, dunnock, starling, house sparrow, kingfisher, swift, reed bunting and barn owl could potentially occur within the site.
- 3.2.3.3 Species which receive special protection through their inclusion on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended) such as barn owl and kingfisher could potentially occur within the site. No evidence of barn owl was observed within the building but this species could potentially use the site, e.g. for hunting and roosting. The mill pond and adjacent River Holme provide good quality habitat for kingfisher and this species could potentially breed within the site.
- 3.2.3.4 A range of birds are likely to nest in trees, woodland, scrub, buildings and walls at the site.

3.2.4 *Bats*

- 3.2.4.1 Previous surveys undertaken at the site¹ identified two common pipistrelle bats entering and leaving from the eaves in the north-west corner of the mill building on 24th June 2010. During a dusk emergence survey on 15th September 2010, two common pipistrelle bats were seen to emerge from two separate locations behind the gutter at the south-west corner of the building¹. On 6th September 2017, bat droppings were found scattered on the first floor of the mill building and this was attributed to bats foraging within the building¹. The previous report¹ states that during a dusk emergence survey on 6th September 2017, 3x common pipistrelle bats emerged from the eaves of the mill building; one at the south-east corner of the building; two from above the fifth window on the west side; one from the eaves at the southern end (it is noted that this totals 4 bats; not 3). On 6th September 2017, a high level of common pipistrelle foraging activity was recorded around the mill building (including bats flying in and out through the mill windows) and Daubenton's bats were recorded foraging along the river. During a dawn survey on 22nd September 2017¹, no bats were seen to enter or exit the mill building. During a daytime inspection survey on 17th August 2020¹, no evidence of bats was observed within the building or on the exterior. During a dusk emergence survey on 17th August 2020¹, a high level of common pipistrelle foraging activity was observed, particularly around the mill itself; two common pipistrelle bats emerged from the south-west corner of the mill (one emerged from the eaves between the 3rd and 4th windows on the western side of the mill and one possibly emerged from the north-west corner of the mill).
- 3.2.4.2 During the survey on 7th January 2021, no evidence of bats was identified at the site. The mill building remains as previously described, i.e. a large derelict two/three storey stone building (approx 50 x 17 metres) with a hipped-gable roof covered with stone-slates and lined with a lath-and-plaster lining. There are multiple direct flight paths to the interior of the building via broken windows and open doorways. There are multiple potential bat roost features within the roof structure, e.g. gaps at the eaves and gaps beneath roof stone-slates. The masonry is generally well-sealed otherwise, although there a small number of potential bat roost features within areas of external masonry and in gaps over doorways etc.
- 3.2.4.3 The mill building is considered to be a confirmed bat roost, with a maximum of 4x common pipistrelle bats having been recorded roosting in the building in 2017.
- 3.2.4.4 The walls alongside the River Holme and along the south side of the mill pond provide potential bat roost features. The walls elsewhere at the site appear to be unsuitable for roosting bats due to the absence of suitable roost features. The bridge over the River Holme to the north of the mill building could also support bat roosts, although it was not possible to safely inspect the underside of the bridge on 7th January 2021 due to health and safety considerations.

⁷ Species / Habitats listed on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 as Species of Principal Importance for the conservation of biodiversity in England.

⁸ West Yorkshire Biodiversity Action Partnership (2009), West Yorkshire Priority Species List, West Yorkshire Ecology, Wakefield.

3.2.4.5 All trees at the site were assessed as having negligible or zero bat roost potential due to the absence of suitable roost features such as cracks and splits.

3.2.4.6 In terms of foraging and commuting habitats, the river, mill pond, trees, scrub and woodland provide habitats of moderate to high quality for bats and these features could form part of locally important bat foraging and flyway features.

3.2.5 *Water Vole*

3.2.5.1 No evidence of water vole was observed at the site. The river and mill pond provide potentially suitable, albeit suboptimal, habitat for water voles. The generally sparse nature of bankside vegetation plus the absence of previous records within 2 km of the site significantly limits the likelihood of water vole occurring at the site and it is considered that the potential for water vole to occur at the site is low.

3.2.6 *Otter*

3.2.6.1 No evidence of otter was observed at the site. The river and mill pond provide potentially good quality habitat for otter. Otter could potentially use the dense scrub vegetation within the site and/or features along the river banks as a daytime resting place(s). Otter could also potentially use the river and mill pond for occasional foraging as part of a wider home range.

3.2.7 *Amphibians*

3.2.7.1 The only identified still waterbodies within 500 metres of the site comprise the mill pond within the site plus four additional similar mill ponds at various locations in the wider area. All of these mill ponds are considered to have low suitability to support great crested newts (GCN) due to the likely presence of predatory fish.

3.2.7.2 The previous report¹ states that, during an evening torch search of the mill pond on the site in 2007, an abundance of mating toads were identified and a large area of toad spawn was visible at the eastern end of the pond but no GCN were identified at that time. It is noted that common toad is a Species of Principal Importance for the conservation of biodiversity in England⁷ and is also a West Yorkshire Priority Species⁸.

3.2.8 *Reptiles*

3.2.8.1 Based on the nature of the habitats present within and adjacent to the site, the history of disturbance at the site and the absence of previous records within 2 km of the site, it is considered very unlikely that reptiles will occur at the site.

3.2.9 *Crustaceans*

3.2.9.1 White-clawed crayfish *Austropotamobius pallipes* could potentially occur within the River Holme and also within the mill pond at the site.

3.2.10 *Badger and Other Fauna*

3.2.10.1 No evidence of badger was observed at the site. Hedgehog, a Species of Principal Importance for the conservation of biodiversity in England⁷, could potentially occur within the site. No other notable species are likely to occur within the site.

Figure 3. Phase 1 Habitat Map



Key:	
	Study area
	Scrub
	Target note
	Bare ground
	Open water (flowing)
	Wall
	Ephemeral / short perennial
	Semi-improved grassland
	Broad-leaved trees and semi-natural woodland
	Open water (still)
	Variegated yellow archangel (Sch 9 WCA)

Target note	Description
1	Area of standing water beneath trees and scrub. Water appears to flow down hillside off adjacent pasture and drainage is impeded in this part of the site; possibly a seasonal ephemeral feature and may become dry during summer.

4 Conclusions and Recommendations

4.1 Protected Sites

- 4.1.1.1 There is a site located approximately 1.93 km south of the site which is comprehensively designated as a SSSI/SAC/SPA (Dark Peak SSSI; South Pennine Moors SAC; Peak District Moors (South Pennine Moors Phase 1) SPA). The proposed development could potentially result in minor adverse indirect impacts on this site, e.g. through increased visitor pressure.
- 4.1.1.2 Based on the distance between the site and the nearest locally designated sites, the proposed development is not predicted to result in any significant effects on locally designated sites.

Recommendations

- 4.1.1.3 It is recommended that a Habitats Regulations Assessment (HRA) Screening Assessment should be undertaken and local planning policy should be consulted in order to determine whether further assessments/mitigation may be necessary.

4.2 Habitats

- 4.2.1.1 The mill pond within the site and the River Holme along the northern edge of the site are included within the Kirklees Wildlife Habitat Network (KWHN) which receives local protection through local planning policy.
- 4.2.1.2 The following habitats at the site are identified as West Yorkshire Priority Habitats⁸ / Habitats of Principal Importance for the conservation of biodiversity in England⁷: scrub; ponds; rivers; and lowland mixed deciduous woodland.
- 4.2.1.3 The scrub, broad-leaved trees and semi-natural woodland, pond and river at the site are assessed as being of value at the local level. All other habitats at the site are assessed as being of value at the site level only.

Recommendations

- 4.2.1.4 In order to avoid/minimise adverse effects on the KWHN, it is recommended that the River Holme and the mill pond within the site should be retained in situ and unaffected by the proposed development. Where possible, trees and scrub adjacent to the pond should be retained in situ. Artificial lighting should be designed sensitively in order to ensure that the river and mill pond are retained as dark areas for nocturnal fauna.
- 4.2.1.5 It is recommended that all areas of scrub, broad-leaved trees and semi-natural woodland, pond and river at the site should be retained in situ. Any unavoidable loss of trees / woodland / scrub should be compensated through the planting of new trees and shrubs; preferably native species of local provenance such as willows, rowan, oak, silver birch and holly.
- 4.2.1.6 It is recommended that the DEFRA Biodiversity Metric should be used to determine the Biodiversity Net Gain position of the proposed development. Depending on the results, it may be necessary to provide habitat creation measures; such provision should be within the site boundary if at all possible.

4.3 Invasive Weeds

- 4.3.1.1 One invasive weed listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) was recorded at the site: a small area of variegated yellow archangel *Lamium galeobdolon* subsp. *argenteum* is present to the south of the mill pond. The previous survey¹ identified small areas of Japanese knotweed *Fallopia japonica*, Himalayan balsam *Impatiens glandulifera* and cotoneaster *Cotoneaster horizontalis* within the site and it is possible that an update survey during May-September would identify the continued presence of these Schedule 9 species within the site.

Recommendations

- 4.3.1.2 It is recommended that an Invasive Weeds Management Plan should be prepared and implemented for the site. The Invasive Weeds Management Plan should be informed by an update invasive weeds survey undertaken during the optimal period of 1st May to 31st September.

4.4 Birds

- 4.4.1.1 Species of Principal Importance for the conservation of biodiversity in England⁷ and/or West Yorkshire Priority Species⁸ such as bullfinch, song thrush, dunnock, starling, house sparrow, kingfisher, swift, reed bunting and barn owl could potentially occur within the site.
- 4.4.1.2 Species which receive special protection through their inclusion on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended) such as barn owl and kingfisher could potentially occur within the site. The mill pond and adjacent River Holme provide good quality habitat for kingfisher and this species could potentially breed within the site.
- 4.4.1.3 A range of birds are likely to nest in trees, woodland, scrub, buildings and walls at the site.

Recommendations

- 4.4.1.4 Due to the potential for the site to support a notable assemblage of breeding birds, possibly including kingfisher (specially protected through its inclusion on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended)), it is recommended that breeding bird surveys should be undertaken at the site in order to inform an ecological impact assessment. A minimum of four breeding bird survey visits should be undertaken between mid-March and end-June.
- 4.4.1.5 Where possible, any works affecting potential bird nesting areas should be undertaken outside the main bird nesting period of March to August (inclusive). If this is not possible, any such works undertaken within the bird nesting period (March to August inclusive) should be supervised by a suitably qualified ecologist. The supervising ecologist will advise all site personnel of the potential presence of nesting birds, their legal protection and the need to minimise disturbance of nesting birds. If active nests are present, they must be retained in situ undisturbed until the nests are no longer active.
- 4.4.1.6 The site could potentially be enhanced through the provision of bird nest boxes, e.g. swift, house sparrow and/or starling.

4.5 Bats

- 4.5.1.1 Previous surveys undertaken at the site in 2010, 2017 and 2020 confirmed that the mill building supports day roosts of up to 4x common pipistrelle bats. Such roosts are common and widespread and are considered to be of relatively low ecological value but nonetheless receive strict legal protection. Bats could also potentially roost in the walls and within a bridge at the site.
- 4.5.1.2 During the survey on 7th January 2021, no evidence of bats was identified at the site. The mill building remains as previously described, i.e. a large derelict two/three storey stone building (approx 50 x 17 metres) with a hipped-gable roof covered with stone-slates and lined with a lath-and-plaster lining. There are multiple direct flight paths to the interior of the building via broken windows and open doorways. There are multiple potential bat roost features within the roof structure, e.g. gaps at the eaves and gaps beneath roof stone-slates. The masonry is generally well-sealed otherwise, although there a small number of potential bat roost features within areas of external masonry and in gaps over doorways etc.
- 4.5.1.3 The mill building is considered to be a confirmed bat roost, with a maximum of 4x common pipistrelle bats having been recorded roosting in the building in 2017.
- 4.5.1.4 The bridge over the River Holme on the north side of the mill building plus the walls alongside the River Holme and along the south side of the mill pond provide potential bat roost features. All trees at the site were assessed as having negligible or zero bat roost potential.

- 4.5.1.5 In terms of foraging and commuting habitats, the river, mill pond, trees, scrub and woodland provide habitats of moderate to high quality for bats and these features could form part of locally important bat foraging and flyway features.

Recommendations

- 4.5.1.6 Prior to any works which could disturb bats or damage or destroy their resting places (i.e. confirmed bat roosts in the mill building), it will be necessary to obtain a European Protected Species Mitigation (EPSM) licence from Natural England and to undertake mitigation measures as part of the licence agreement to be issued by Natural England.
- 4.5.1.7 An EPSM licence will be required from Natural England to allow an activity to occur that would otherwise be classed as unlawful i.e. damage/destruction and/or disturbance of a roost. Natural England can issue bat EPSM licences for the purposes of development on application and presentation of evidence-based mitigation.
- 4.5.1.8 Before issuing a licence, Natural England will need to be satisfied that the following '3 tests' are met (this will include measures to minimise impacts on bats through design/mitigation/timings etc.):
- that the action is for the purpose of preserving public health or public safety or other imperative reasons of overriding public interest including those of a social or economic nature;
 - that there is no satisfactory alternative; and
 - that the action authorised will not be detrimental to the maintenance of the species concerned at a favourable conservation status in their natural range.
- 4.5.1.9 Natural England aims to process EPSM licence applications in 30 working days. Natural England will only process licence applications once planning permission has been granted.
- 4.5.1.10 Based on the currently available information it is considered likely that Natural England would grant an EPSM licence for the mill building on the site based on the adoption of standard mitigation measures such as soft dismantling of the roof coverings and provision of bat boxes on retained trees within the site.
- 4.5.1.11 Please note that if the EPSM licence application is made over 12 months after the date of the most recent dusk or dawn bat survey, it may be necessary to undertake update surveys to confirm the current status of the bat roosts. The dusk bat surveys undertaken at the mill building in 2020 should be sufficient to inform a planning decision in 2021 but update surveys will be required for an EPSM bat licence application.
- 4.5.1.12 Due to the potential presence of bat roosts in walls alongside the mill pond and River Holme and in the bridge of the River Holme, if any proposed activities would affect these features (including artificial lighting of the mill pond or river), it would be necessary to undertake additional bat surveys and it may be necessary to provide further mitigation measures.
- 4.5.1.13 If possible, the mill pond and river along with all trees, woodland and scrub should be retained in situ as part of dark corridors with a sensitive lighting strategy developed to minimise artificial lighting spill.
- 4.5.1.14 If it is not possible to retain the trees, scrub, woodland, pond and river in situ with associated dark corridors, current good practice guidelines⁹ recommend that bat activity surveys should be undertaken in order to inform an assessment of the potential impacts of the development on bat foraging and commuting habitats. Depending on the magnitude of potential impacts on such habitat features, in accordance with current good practice guidelines⁹, it may be necessary to undertake monthly bat activity surveys between May and October.

⁹ Collins, J. (ed.) (2016) Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn). The Bat Conservation Trust, London. ISBN-13 978-1-872745-96-1.

- 4.5.1.15 The site could potentially be enhanced through the provision of bat boxes attached to retained trees and to new/converted buildings and additional native tree/shrub planting.

4.6 Water Vole

- 4.6.1.1 No evidence of water vole was observed at the site. Due to the presence of suboptimal potential habitat for water voles, it is considered that the potential for water vole to occur at the site is low.

Recommendations

- 4.6.1.2 If any development activity is proposed on the river banks and/or within 5 metres of the banks of the mill pond, as a precautionary measure it is recommended that a water vole survey should be undertaken between 15th April and 30th September. Depending on the results of the survey, it may be necessary to recommend mitigation measures.

4.7 Otter

- 4.7.1.1 No evidence of otter was observed at the site. The river and mill pond provide potentially good quality habitat for otter. Otter could potentially use the dense scrub vegetation within the site and/or features along the river banks as a holt / daytime resting place(s). Otter could also potentially use the river and mill pond for occasional foraging as part of a wider home range.

Recommendations

- 4.7.1.2 Due to the potential for otter resting places to occur within the site, it is recommended that further surveys should be undertaken to determine otter presence/absence. It is recommended that the surveys involve a combination of searches for otter field signs (e.g. spraints) and the use of static cameras within areas of potential resting places in the site.

4.8 Amphibians

- 4.8.1.1 WYES did not provide any previous records of great crested newts within 2 km of the site. The only identified still waterbodies within 500 metres of the site comprise the mill pond within the site plus four additional similar mill ponds at various locations in the wider area. All of these mill ponds are considered to have low suitability to support great crested newts (GCN) due to the likely presence of predatory fish. If GCN occur in the mill pond on the site, individuals could occur throughout the site during their terrestrial phase.

- 4.8.1.2 Previous surveys have confirmed that the mill pond at the site supports good numbers of breeding common toad (a Species of Principal Importance for the conservation of biodiversity in England⁷ and a West Yorkshire Priority Species⁸).

Recommendations

- 4.8.1.3 Due to the known presence of good numbers of common toad and the potential presence of GCN (low risk), it is recommended that the mill pond should be retained in situ and not modified in form or extent.

- 4.8.1.4 Due to the potential for GCN to breed in the mill pond and occur in terrestrial habitats throughout the site, it is recommended that GCN surveys should be undertaken at the mill pond. The most reliable and cost effective presence/absence survey method is eDNA survey which can be undertaken between 15th April and 30th June only. If the eDNA survey reveals that GCN occur in the mill pond, it may subsequently be necessary to undertake population size class surveys between 15th April and 15th May.

- 4.8.1.5 If GCN do occur in the mill pond, it may be necessary to obtain an EPSM licence and undertake mitigation measures.

4.9 *Reptiles*

- 4.9.1.1 Based on the nature of the habitats present within and adjacent to the site, the history of disturbance at the site and the absence of previous records within 2 km of the site, it is considered very unlikely that reptiles will occur at the site. No surveys or mitigation measures are considered necessary for reptiles.

4.10 *Crustaceans*

- 4.10.1.1 White-clawed crayfish could potentially occur within the River Holme and also within the mill pond at the site.

Recommendations

- 4.10.1.2 It is recommended that the mill pond and river should be retained in situ and not modified in form or extent. If the proposals will involve any works to the mill pond or to the river channel, it will be necessary to undertake crayfish surveys during the optimal period of mid-July to mid-September.

4.11 *Badger and Other Fauna*

- 4.11.1.1 No evidence of badger was observed at the site. Hedgehog, a Species of Principal Importance for the conservation of biodiversity in England⁷, could potentially occur within the site. No other notable species are likely to occur within the site.

Recommendations

- 4.11.1.2 It is recommended that hedgehog habitat should be retained in the form of scrub and woodland at the site. Hedgehog gaps should also be installed at the base of any new fences/walls.

Appendix 1. Legislation Context

European Protected Species (GCN, Otter, all Bats)

Great Crested Newt (GCN), otter and all British bat species are fully protected through The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 as European Protected Species (EPS). They also receive some protection through inclusion in Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).

Under the legislation, it is an offence to deliberately capture, injure or kill a GCN, otter or bat. It is an offence to damage or destroy a breeding site or resting place of a GCN, otter or bat. It is also an offence to intentionally or recklessly disturb a GCN, otter or bat while it is occupying a structure or place which it uses for shelter or protection; or obstruct access to any structure or place which it uses for that purpose.

It is also an offence to deliberately disturb a GCN, otter or bat; in particular any disturbance which is likely (a) to impair their ability - (i) to survive, to breed or reproduce, or to rear or nurture their young, or (ii) in the case of animals of a hibernating or migratory species, to hibernate or migrate; or (b) to affect significantly the local distribution or abundance of the species to which they belong.

The 'appropriate authority' (Natural England in England) has powers to issue licences for various purposes including - (a) scientific or educational purposes... and (e) preserving public health or public safety or other imperative reasons of overriding public interest including those of a social or economic nature and beneficial consequences of primary importance for the environment. The appropriate authority shall not grant a licence under this regulation unless they are satisfied - (a) that there is no satisfactory alternative, and (b) that the action authorised will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range. It is an offence for any person authorised by virtue of a licence to which this paragraph applies to contravene or fail to comply with any condition which the licence requires him to comply with.

Nesting Birds

All wild birds in the UK are protected under Section 1 of the Wildlife and Countryside Act 1981 (as amended) which makes it an offence to intentionally kill, injure or take any wild bird or take, damage or destroy the nest (whilst being built or in use) or its eggs. Bird species listed in Schedule 1 of the 1981 Act, e.g. barn owl, receive further protection which makes it an offence to intentionally or recklessly disturb these species while building a nest or in, on or near a nest containing eggs or young; or to disturb dependent young of such a bird.

Water vole *Arvicola amphibius*

Water voles are fully protected under Section 9 of the Wildlife and Countryside Act 1981 (as amended). This makes it an offence to intentionally kill, injure or take water voles; intentionally or recklessly damage, destroy or obstruct access to any structure or place used for shelter or protection; intentionally or recklessly disturb water voles whilst occupying a structure or place used for that purpose. Licences are available from Natural England to allow activities that would otherwise be an offence for specific purposes including conservation or scientific/educational purposes. However, there are no licensing purposes that explicitly cover development activities. The Act provides a legal defence where the action is the incidental result of an otherwise lawful operation and could not reasonably have been avoided.

White-clawed crayfish *Austropotamobius pallipes*

The white-clawed crayfish is listed on Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) in respect of Sections 9(1) (taking only) and 9(5) of the 1981 Act which makes it an offence to intentionally take or sell this species.

Appendix 2. Photographs

Photo 1. Looking east across mill pond



Photo 2. Looking north across mill pond



Photo 3. Looking south-west across River Holme in western part of site



Photo 4. Looking south within willow scrub at western end of mill pond



Photo 5. Looking west along south side of mill pond



Photo 6. Looking west across River Holme in western part of the site



Photo 7. Looking east between River Holme (on left) and mill pond (on right)



Photo 8. Yellow archangel (Schedule 9 WCA invasive weed) on south side of mill pond



Photo 9. North-west elevation of building on the site



Photo 10. Looking south-west across River Holme to building on site



Photo 11. Looking south-west along River Holme at north corner of the site



Photo 12. Looking west-south-west from eastern corner of the site



Photo 13. Looking north-west to building on the site



Photo 14. West elevation of building



Photo 15. West elevation of building



Photo 16. Looking north-west within ground floor of building



Photo 17. First floor within building



Photo 18. Looking north-east from first floor of building towards northern part of site



Photo 19. Looking east from first floor of building towards eastern part of site



Photo 20. Looking north-east within wet woodland to south-south-east of building



Photo 21. Looking south-west from first floor of building to River Holme and mill pond



Photo 22. Looking south-west at south-east side of mill pond



Appendix 3. Information provided by WYES



**West Yorkshire
Ecology
Service**

West Yorkshire Ecology Service
West Yorkshire Joint Services
Nepshaw Lane South
Morley
Leeds
LS27 0QP | LS27 7JQ (Sat Nav)
Tel: 0113 535 0158
Email: ecology@wyjs.org.uk

ECOLOGICAL RECORDS SEARCH

FOR

**HINCHLIFFE MILL,
WATER STREET,
HOLMBRIDGE,
HD9 2NX**

Ref No:- 20201222 K1398 MT

Date: 22/12/2020

Prepared For Toby Fisher

Quants Environmental Ltd

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1 Introduction

This report provides a summary of the protected and notable species, habitats and designated sites information held by West Yorkshire Ecology Service (WYES) within 2km of grid reference SE12700707.

The information within this report is supplied subject to WYES's 'Terms and Conditions', which can be viewed on the WYES website (<http://wyjs.org.uk/ecology-service/>).

2 Species

Please see Appendix E for records held by WYES within your defined search area.

2.1 SENSITIVE SPECIES RECORDS

3 Designated sites

3.1 INTERNATIONALLY/NATIONALLY DESIGNATED SITES

There are no internationally/nationally designated sites within your search area.

3.2 LOCALLY DESIGNATED SITES

The following Non-Statutory sites were found within the search area, and are shown on Fig 1.

Name of Site	Designation
Carr Green Meadows Holmbridge	Local Wildlife Site
Digley Reservoir/Marsden Clough	Local Wildlife Site
Malkin House Wood	Local Wildlife Site
New Laith Fields Holmbridge	Local Wildlife Site
Yateholme Reservoirs & Plantations	Local Wildlife Site
Digley Quarries	Local Geological Site

Explanations for designated sites are provided in Appendix B.

Citations for locally designated sites are provided in Appendix C.

There are no locally designated Statutory sites within your search area.

4 Habitats

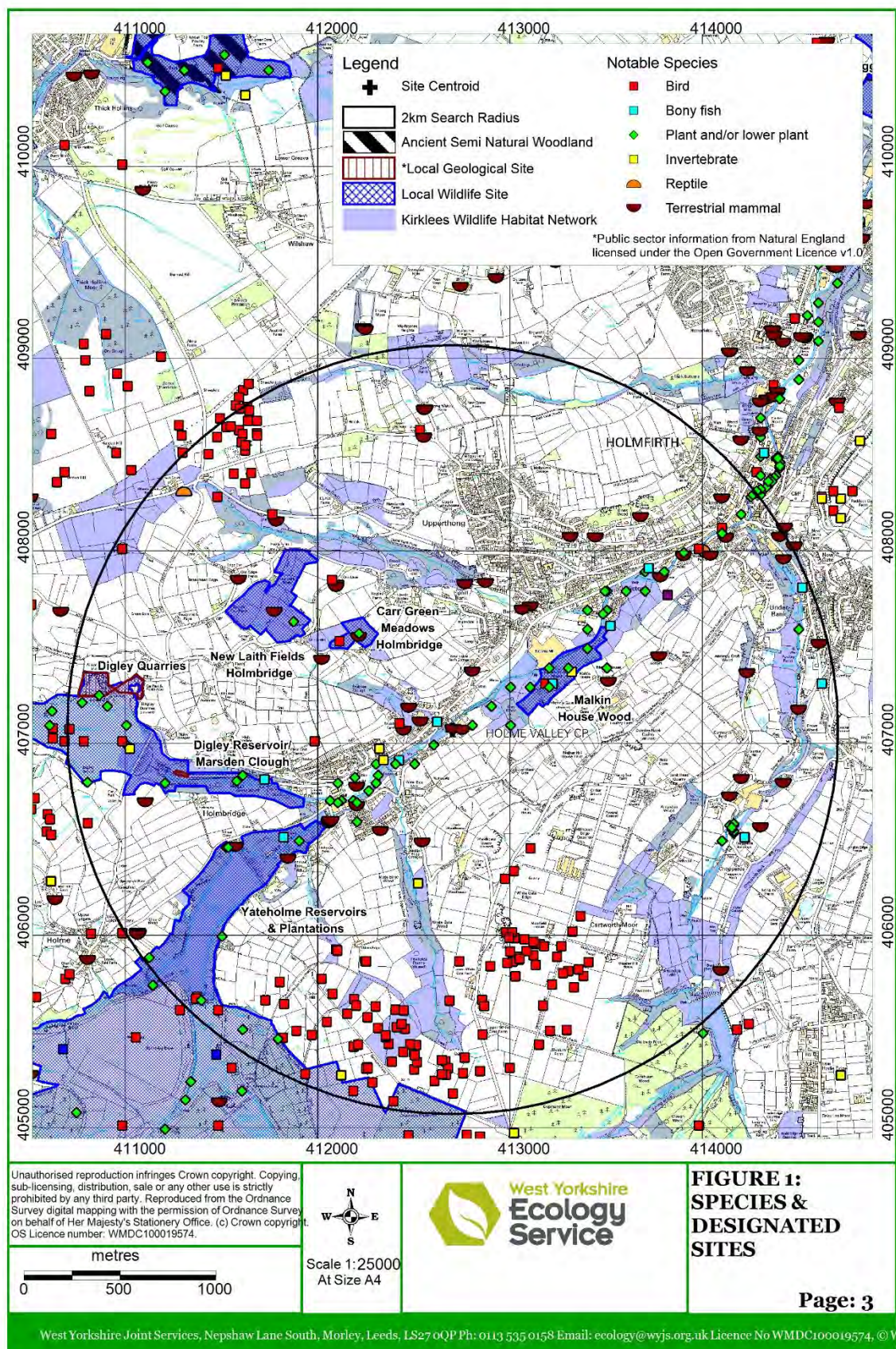
4.1 WILDLIFE HABITAT NETWORK

Your site centroid does not lie within the Kirklees Wildlife Habitat Network.
See Figure 1 for Wildlife Habitat Network data.

4.2 ANCIENT WOODLAND

There is no Ancient Semi-natural Woodland/Ancient Replanted Woodland within 100m of your site centroid.

Figure 1 – Species and Designated Sites



Appendix A. Explanation of Species Designations

Wildlife and Countryside Act 1981 – main designations cited

Abbreviation	Full Name	Description	Offences include, but not limited to
Sch1_part1	Schedule 1, Part 1	Birds which are protected by special penalties at all times	- disturb any specially protected bird while it is building its nest; - disturb any specially protected bird while it is near a nest containing eggs or young; or - disturb the young of any of these birds before they are wholly independent.
Sch1_part2	Schedule 1, Part 2	Birds which are protected by special penalties during the close season	
Sch5	Schedule 5	Animals which are protected	- intentional or reckless killing, injuring, taking; - damage to, destruction of, obstruction of access to any structure or place used by a scheduled animal for shelter or protection; and - disturbance of animal occupying such a structure or place.
Sch5_sect9.1	Schedule 5, Section 9(1)	Animals which are protected from killing and/or taking	intentional killing, injuring and/or taking NB: certain species are only partly protected by this section. Check primary legislation for details.
Sch5_sect9.5	Schedule 5, Section 9(5)	Animals which are protected from sale	- selling, offering for sale, possessing or transporting for the purpose of sale (live or dead animal, part or derivative); and - advertising for buying or selling such things
Sch8	Schedule 8	Plants which are fully protected	pick, uproot, trade in, or possess (for the purposes of trade).
Sch8_sect 13.2 (sale only)	Schedule 8, Sections 13(2a+2b)	Plants which are protected from sale only	selling, offering for sale, possessing or transporting for the purpose of sale, any plant (live or dead, part or derivative) + advertising for buying or selling such things
Sch9_part1	Schedule 9, Part 1	Animals which are established in the wild.	- the release of animals and planting of plants listed in Schedule 9. - the above offences can be made legal through the granting of licences by the appropriate authorities. NB: <i>Tyto alba</i> refers to captive bred only.
Sch9_part2	Schedule 9, Part 2	Plants which are established in the wild.	

Biodiversity Action Plans

Abbreviation

UKBAP
WYBAP
Bradford BAP
Calderdale BAP
Kirklees BAP
Leeds BAP
Wakefield BAP

Full Name

UK Biodiversity Action Plan
West Yorkshire Priority Species List
Bradford Biodiversity Action Plan
Calderdale Biodiversity Action Plan
Kirklees Biodiversity Action Plan
Leeds Biodiversity Action Plan
Wakefield Biodiversity Action Plan

Birds of Conservation Concern (BOCC) 2009

List

Red
Amber

Description

High conservation concern
Medium conservation concern

Red Data Book Categories (Based on ICUN Guidelines)

Abbreviation	Full Name
EX	Extinct
EW	Extinct in the Wild
CR	Critically Endangered
VU	Vulnerable
NT	Near Threatened
LC	Least Concern
DD	Data Deficient
NE	Not Evaluated

Nationally Notable Invertebrates:

Abbreviation	Full Name	Description
NR	Nationally Rare	found in 15 or fewer hectads
Notable or NS	Nationally Notable or Nationally Scarce	found in between 16 and 100 hectads
Notable A	Nationally Notable A	found in 16 to 30 hectads
Notable B	Nationally Notable B	found in between 31 and 100 hectads

Locally Notable Plants - Vice County 63 Local Red Data Book (VC63 LRDB):

The compilation of the Provisional Vascular Plant Red Data list for VC 63 has been undertaken utilising six separate selected categories to accommodate all taxa under consideration. These categories are: 1) Native Species; 2) Native Species Presumed Extinct in the VC; 3) Hybrids; 4) Archaeophytes; 5) Grey Area Species – Native or Introduced; and 6) Unconfirmed Species. The descriptions give VC 63 status of the species – (based on data collected during the past 40 years, and/or on observation/evidence). In all six categories, the checklist order follows (Stace, 2010).

Abbreviation:

VC63 LRDB:Archaeophyte

Description

Archaeophyte = species which became naturalised before 1500 AD.

VC63 LRDB:Casual only – Rare
 VC63 LRDB:Casual only – Scattered
 VC63 LRDB:Casual only – Very Rare
 VC63 LRDB:Introd. & Native – Occasional
 VC63 LRDB:Introduced – Rare
 VC63 LRDB:Introduced – Very Rare
 VC63 LRDB:Local
 VC63 LRDB:No Modern Records
 VC63 LRDB:Occasional
 VC63 LRDB:Planted – Very Rare
 VC63 LRDB:Presumed Extinct in VC63
 VC63 LRDB:Rare
 VC63 LRDB:Scarce
 VC63 LRDB:Scattered
 VC63 LRDB:Unconfirmed
 VC63 LRDB:Very Rare
 VC63 LRDB:Widespread

Casual = species unable to persist for more than c. 5 years, and therefore dependent on constant reintroduction.

Extinct in VC63 = species for which no records have been received for around 20 years and which may now be presumed to be extinct in VC 63.

Unconfirmed = species which have been reported as occurring, but have never been confirmed.

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Appendix B. Explanation of Designated Sites

Internationally Designated Sites

Special Protection Areas (SPA)

SPA are European designated sites. They are identified by JNCC/Natural England as being of interest for their bird populations. They are of international importance and have statutory protection.

Special Areas of Conservation (SAC)

SAC are European designated sites. They are identified by JNCC/Natural England as being of interest for their habitat type and species. They are of international importance and have statutory protection.

Nationally Designated Sites

Sites of Special Scientific Interest (SSSI)

SSSI are first-tier sites for conservation. They are areas identified by Natural England as being of interest by reason of their flora, fauna, geological or physiological features. They are of national importance and have statutory protection.

Locally Designated Sites

Local Wildlife Sites (LWS)

This is the *new* term for locally designated sites being adopted across West Yorkshire. Districts are currently going through a process of merging *old* designated nature conservation sites (Sites of Ecological or Geological Importance (SEGI), Sites of Scientific Interest (SSI), Bradford Wildlife Areas (BWA), Leeds Nature Areas (LNA), Kirklees Sites of Wildlife Significance (SWS) and Wakefield Nature Areas (WNA)) into a single Local Wildlife Site (LWS) designation. Sites should be given the same protection as SEGIs/SSIs as set out in UDPs/LDFs. Please refer to the link below for the West Yorkshire Local Wildlife Site Selection Criteria.

<https://www.wyjs.org.uk/media/69997/20190509-wy-local-sites-selection-criteria-09-may-2019-rm.docx>

Local Nature Reserves (LNR)

LNR's are statutory sites of district-wide importance for the enjoyment, study or conservation of wildlife, geological features and landforms, but there is seldom detailed ecological information on record for them. For more information on LNRs see <https://designatedsites.naturalengland.org.uk/SiteSearch.aspx>

Local Geological Sites (LGS)

LGS are areas identified as being important for their geological features. More details of this or other LGS sites can be obtained from the West Yorkshire Geology Trust (team@wyorksgeologytrust.org).

Wildlife Habitat Network

The Wildlife Habitat Network aims to meet the requirements of paragraph 114 of the National Planning Policy Framework for Conserving and enhancing the natural environment - Local planning authorities should: “set out a strategic approach in their Local Plans, planning positively for the creation, protection, enhancement and management of networks of biodiversity and green infrastructure”.

Kirklees

Wildlife Habitat Network data for Kirklees can be found on the link below:

http://consult.kirklees.gov.uk/portal/dlp_pol?pointId=s1442851813908

NE5 development proposals involving land identified on the proposals map as part of a wildlife corridor should make provision for the retention of the corridor and the protection of the wildlife value of the land.

Appendix C. Designated Site Citations

Appendix D. Explanation to the supply of badger data

WYES have recently changed the way we display badger records in data searches due to the sensitivity of the records. We have created a 'zone' showing the increased probability of badger activity in an area. We have done this by taking badger records and putting a buffer of 837m (the square root of the average badger territory from Badger (Michael Clark) Whittet Books – 70ha) around each record. This then shows a zone of the increased probability of badger activity across West Yorkshire. If there are badger records within 200m of the site centroid/boundary, a more detailed confidential badger report showing the badger records will be mapped and a spreadsheet with details of each record will be provided. If there are no sett records within 200m, we will supply the distance to the nearest known sett record if within the 2km. The records do not contain the grid reference, but do include a calculated distance from the site centroid/boundary.

This increased probability zone information is to be used to help ecological consultants justify the need for full badger surveys. We would expect them to:

- a) See if the site falls within the "likely probability of badger activity" zone.
- b) Assess the habitat as part of the Preliminary Ecological Assessment.
- c) Use the 200m buffer detailed record information to try to locate all known setts.
- d) Recommend a more detailed survey if required.
- e) Undertake a full badger survey if required, assess habitat resource within likely territory and potential impact on any setts.
- f) Recommend mitigation and habitat enhancement.

Appendix E. Species Records

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1107	Common Sandpiper	Actitis hypoleucos	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Common Sandpiper	Actitis hypoleucos	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Common Sandpiper	Actitis hypoleucos	bird	15/06/2012	field observation	3 Count	BoCC:Amber	1996
SE107070	Common Sandpiper	Actitis hypoleucos	bird	04/05/2011	field observation	2 Count	BoCC:Amber	1996
SE107070	Common Sandpiper	Actitis hypoleucos	bird	07/06/2010	field observation	3 Count	BoCC:Amber	1996
SE1334206010	Skylark	Alauda arvensis	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1238
SE1291405830	Skylark	Alauda arvensis	bird	23/07/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1258
SE1328605934	Skylark	Alauda arvensis	bird	31/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1277
SE1323705734	Skylark	Alauda arvensis	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1439

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1220505658	Skylark	<i>Alauda arvensis</i>	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1495
SE1231805621	Skylark	<i>Alauda arvensis</i>	bird	31/05/2012	field record	1 Count of Adult; 1 Count of Juvenile	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1498
SE1206405539	Skylark	<i>Alauda arvensis</i>	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1656
SE1107	Skylark	<i>Alauda arvensis</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE1278205353	Skylark	<i>Alauda arvensis</i>	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1718
SE1157908392	Skylark	<i>Alauda arvensis</i>	bird	29/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1731
SE1252005291	Skylark	<i>Alauda arvensis</i>	bird	31/05/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1787
SE117086	Skylark	<i>Alauda arvensis</i>	bird	12/06/2013	field record	7 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE117086	Skylark	<i>Alauda arvensis</i>	bird	14/05/2013	field record	5 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE117086	Skylark	<i>Alauda arvensis</i>	bird	17/04/2013	field record	2 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE1162008555	Skylark	<i>Alauda arvensis</i>	bird	23/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1834
SE1160708619	Skylark	<i>Alauda arvensis</i>	bird	29/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1893
SE1108	Skylark	<i>Alauda arvensis</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1933
SE1166108719	Skylark	<i>Alauda arvensis</i>	bird	18/07/2012	field record	5 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1947
SE107070	Skylark	<i>Alauda arvensis</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Shoveler	<i>Anas clypeata</i>	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Shoveler	<i>Anas clypeata</i>	bird	1970 - 1988	field record		BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1107	Teal	Anas crecca	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Teal	Anas crecca	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Wigeon	Anas penelope	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Wigeon	Anas penelope	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Wigeon	Anas penelope	bird	01/10/1988	field record	10 Count of Adult	BoCC:Amber	1996
SE107070	Wigeon	Anas penelope	bird	01/09/1988	field record	3 Count of Adult	BoCC:Amber	1996
SE1107	Mallard	Anas platyrhynchos	bird	1970 - 1988	field record		BoCC:Amber	1697
SE117086	Mallard	Anas platyrhynchos	bird	17/04/2013	field record	1 Count	BoCC:Amber	1826
SE107070	Mallard	Anas platyrhynchos	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Mallard	Anas platyrhynchos	bird	1966 - 1987	field record		BoCC:Amber	1996
SE1288205621	Meadow Pipit	Anthus pratensis	bird	23/07/2012	field record	1 Count of Adult	BoCC:Amber	1460
SE1107	Meadow Pipit	Anthus pratensis	bird	1970 - 1988	field record		BoCC:Amber	1697
SE117086	Meadow Pipit	Anthus pratensis	bird	12/06/2013	field record	2 Count	BoCC:Amber	1826
SE117086	Meadow Pipit	Anthus pratensis	bird	14/05/2013	field record	3 Count	BoCC:Amber	1826
SE117086	Meadow Pipit	Anthus pratensis	bird	17/04/2013	field record	3 Count	BoCC:Amber	1826
SE1156408637	Meadow Pipit	Anthus pratensis	bird	23/04/2012	field record	32 Count of Adult	BoCC:Amber	1933
SE1166108719	Meadow Pipit	Anthus pratensis	bird	18/07/2012	field record	20 Count of Adult	BoCC:Amber	1947

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Meadow Pipit	Anthus pratensis	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Meadow Pipit	Anthus pratensis	bird	18/04/2014	field observation		BoCC:Amber	1996
SE1107	Tree Pipit	Anthus trivialis	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Tree Pipit	Anthus trivialis	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Swift	Apus apus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP	1697
SE107070	Swift	Apus apus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP	1996
SE1107	Short-Eared Owl	Asio flammeus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1697
SE107070	Short-Eared Owl	Asio flammeus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1996
SE107070	Short-Eared Owl	Asio flammeus	bird	30/04/2012	field observation	1 Count	BoCC:Amber; WYBAP; Kirklees BAP	1996
SE1107	Pochard	Aythya ferina	bird	1970 - 1988	field record		BoCC:Red	1697
SE107070	Pochard	Aythya ferina	bird	1970 - 1988	field record		BoCC:Red	1996
SE1107	Tufted Duck	Aythya fuligula	bird	1970 - 1988	field record		BoCC:Amber	1697

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Tufted Duck	Aythya fuligula	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Scaup	Aythya marila	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red; UKBAP	1996
SE1139005670	Canada Goose	Branta canadensis	bird	16/06/2015 - 17/06/2015	field observation		Sch9_part1	1914
SE1138205661	Canada Goose	Branta canadensis	bird	10/08/2016	field record	1 Count of occassional	Sch9_part1	1926
SE107070	Canada Goose	Branta canadensis	bird	1970 - 1988	field record		Sch9_part1	1996
SE107070	Canada Goose	Branta canadensis	bird	04/05/2011	field observation	17 Count	Sch9_part1	1996
SE107070	Canada Goose	Branta canadensis	bird	19/03/2011	field observation	9 Count	Sch9_part1	1996
SE1107	Goldeneye	Bucephala clangula	bird	1970 - 1988	field record		Sch1_part2; BoCC:Amber	1697
SE107070	Goldeneye	Bucephala clangula	bird	1970 - 1988	field record		Sch1_part2; BoCC:Amber	1996
SE107070	Goldeneye	Bucephala clangula	bird	1966 - 1987	field record		Sch1_part2; BoCC:Amber	1996
SE107070	Goldeneye	Bucephala clangula	bird	02/01/2011	field observation	2 Count	Sch1_part2; BoCC:Amber	1996
SE107070	Goldeneye	Bucephala clangula	bird	20/03/2010	field observation	1 Count of Male; 1 Count of Female	Sch1_part2; BoCC:Amber	1996
SE107070	Goldeneye	Bucephala clangula	bird	10/03/2010	field observation	1 Count of Male	Sch1_part2; BoCC:Amber	1996
SE107070	Goldeneye	Bucephala clangula	bird	16/02/2010	field observation	1 Count	Sch1_part2; BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Goldeneye	Bucephala clangula	bird	16/01/2010	field observation	1 Count	Sch1_part2; BoCC:Amber	1996
SE1107	Dunlin	Calidris alpina	bird	1970 - 1988	field record		BoCC:Amber WYBAP; Kirklees BAP	1697
SE107070	Dunlin	Calidris alpina	bird	1970 - 1988	field record		BoCC:Amber WYBAP; Kirklees BAP	1996
SE1303806324	Linnet	Carduelis cannabina	bird	31/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	818
SE1299106284	Linnet	Carduelis cannabina	bird	31/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	837
SE1326205879	Linnet	Carduelis cannabina	bird	31/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1316
SE1287305653	Linnet	Carduelis cannabina	bird	25/04/2012	field record	6 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1427
SE1288205621	Linnet	Carduelis cannabina	bird	23/07/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1460
SE1319005625	Linnet	Carduelis cannabina	bird	31/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1525

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SE1170308590	Linnet	Carduelis cannabina	bird	29/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1816
SE117086	Linnet	Carduelis cannabina	bird	12/06/2013	field record	1 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE117086	Linnet	Carduelis cannabina	bird	17/04/2013	field record	2 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE132073	Goldfinch	Carduelis carduelis	bird	21/06/2013	field observation	1 Count	Kirklees BAP	549
SE12130752	Goldfinch	Carduelis carduelis	bird	02/06/2011	field observation		Kirklees BAP	725
SE1107	Goldfinch	Carduelis carduelis	bird	1970 - 1988	field record		Kirklees BAP	1697
SE117086	Goldfinch	Carduelis carduelis	bird	12/06/2013	field record	1 Count	Kirklees BAP	1826
SE107070	Goldfinch	Carduelis carduelis	bird	1970 - 1988	field record		Kirklees BAP	1996
SE1107	Redpoll	Carduelis flammea	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Redpoll	Carduelis flammea	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Twite	Carduelis flavirostris	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE115056	Twite	Carduelis flavirostris	bird	2007	field record		BoCC:Red; UKBAP;	1895

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							WYBAP; Kirklees BAP	
SE108070	Twite	Carduelis flavirostris	bird	Unknown	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1896
SE107070	Twite	Carduelis flavirostris	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Ringed Plover	Charadrius hiaticula	bird	1970 - 1988	field record		BoCC:Red	1996
SE1107	Dipper	Cinclus cinclus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE14120811	White-throated Dipper	Cinclus cinclus	bird	12/05/2014	None	2 Count of Copulating Pair	BoCC:Amber	1757
SE107070	Dipper	Cinclus cinclus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Hen Harrier	Circus cyaneus	bird	1970 - 1988	field record		BoCC:Red; WYBAP	1996
SE1107	Stock Dove	Columba oenas	bird	1970 - 1988	field record		BoCC:Amber	1697
SE117086	Stock Dove	Columba oenas	bird	14/05/2013	field record	1 Count	BoCC:Amber	1826
SE107070	Stock Dove	Columba oenas	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Cuckoo	Cuculus canorus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1697
SE1149608272	Cuckoo	Cuculus canorus	bird	29/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP	1699

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1241205128	Cuckoo	Cuculus canorus	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP	1962
SE107070	Cuckoo	Cuculus canorus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1996
SE107070	Cuckoo	Cuculus canorus	bird	06/05/2014	field observation	1 Count	BoCC:Red; UKBAP; WYBAP	1996
SE107070	Cuckoo	Cuculus canorus	bird	05/05/2014	field observation	1 Count	BoCC:Red; UKBAP; WYBAP	1996
SE107070	Cuckoo	Cuculus canorus	bird	30/04/2012	field observation	1 Count	BoCC:Red; UKBAP; WYBAP	1996
SE107070	Cuckoo	Cuculus canorus	bird	25/05/2011	field observation	1 Count	BoCC:Red; UKBAP; WYBAP	1996
SE1107	Bewick's Swan	Cygnus columbianus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1697
SE107070	Bewick's Swan	Cygnus columbianus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1996
SE1107	Whooper Swan	Cygnus cygnus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1697
SE107070	Whooper Swan	Cygnus cygnus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1996
SE107070	Whooper Swan	Cygnus cygnus	bird	04/12/2011	field observation	4 Count	Sch1_part1; BoCC:Amber	1996
SE107070	Whooper Swan	Cygnus cygnus	bird	26/12/2010	field observation	22 Count	Sch1_part1; BoCC:Amber	1996
SE107070	Whooper Swan	Cygnus cygnus	bird	19/10/2010	field observation	1 Count	Sch1_part1; BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Whooper Swan	Cygnus cygnus	bird	04/04/2010	field observation	2 Count	Sch1_part1; BoCC:Amber	1996
SE107070	Whooper Swan	Cygnus cygnus	bird	03/04/2010	field observation	2 Count	Sch1_part1; BoCC:Amber	1996
SE107070	Whooper Swan	Cygnus cygnus	bird	02/02/2010	field observation	2 Count	Sch1_part1; BoCC:Amber	1996
SE1288205621	House Martin	Delichon urbica	bird	23/07/2012	field record	10 Count of Adult	BoCC:Amber; WYBAP	1460
SE1107	House Martin	Delichon urbica	bird	1970 - 1988	field record		BoCC:Amber; WYBAP	1697
SE107070	House Martin	Delichon urbica	bird	1970 - 1988	field record		BoCC:Amber; WYBAP	1996
SE107070	House Martin	Delichon urbica	bird	30/04/2012	field observation	6 Count	BoCC:Amber; WYBAP	1996
SE1107	Yellowhammer	Emberiza citrinella	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1697
SE107070	Yellowhammer	Emberiza citrinella	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1996
SE1107	Reed Bunting	Emberiza schoeniclus	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1697
SE117086	Reed Bunting	Emberiza schoeniclus	bird	12/06/2013	field record	1 Count	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1826
SE1108	Reed Bunting	Emberiza schoeniclus	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1933

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Reed Bunting	Emberiza schoeniclus	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Peregrine	Falco peregrinus	bird	25/07/2012	field observation	1 Count	Sch1_part1; WYBAP; Kirklees BAP	1996
SE107070	Peregrine	Falco peregrinus	bird	30/04/2012	field observation	1 Count	Sch1_part1; WYBAP; Kirklees BAP	1996
SE1207	Kestrel	Falco tinnunculus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	702
SE1270405649	Kestrel	Falco tinnunculus	bird	31/05/2012	field record	1 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1420
SE1178008180	Kestrel	Falco tinnunculus	bird	17/08/2011	nest	1 Count	BoCC:Amber; WYBAP; Kirklees BAP	1440
SE1107	Kestrel	Falco tinnunculus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1697
SE107070	Kestrel	Falco tinnunculus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1996
SE107070	Kestrel	Falco tinnunculus	bird	27/08/2014	field observation	1 Count	BoCC:Amber; WYBAP; Kirklees BAP	1996
SE107070	Kestrel	Falco tinnunculus	bird	07/05/2014	field observation	1 Count	BoCC:Amber; WYBAP; Kirklees BAP	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Kestrel	Falco tinnunculus	bird	03/11/2013	field observation	1 Count	BoCC:Amber; WYBAP; Kirklees BAP	1996
SE107070	Kestrel	Falco tinnunculus	bird	14/01/2012	field observation	1 Count	BoCC:Amber; WYBAP; Kirklees BAP	1996
SE1107	Pied Flycatcher	Ficedula hypoleuca	bird	1970 - 1988	field record		BoCC:Red	1697
SE107070	Pied Flycatcher	Ficedula hypoleuca	bird	1970 - 1988	field record		BoCC:Red	1996
SE1107	Brambling	Fringilla montifringilla	bird	1970 - 1988	field record		Sch1_part1	1697
SE107070	Brambling	Fringilla montifringilla	bird	1970 - 1988	field record		Sch1_part1	1996
SE1246405599	Snipe	Gallinago gallinago	bird	25/04/2012	field record	1 Count of Adult	BoCC:Amber; Kirklees BAP	1489
SE1237205462	Snipe	Gallinago gallinago	bird	23/07/2012	field record	1 Count of Adult	BoCC:Amber; Kirklees BAP	1640
SE1163808340	Snipe	Gallinago gallinago	bird	29/05/2012	field record	1 Count of Adult	BoCC:Amber; Kirklees BAP	1653
SE1252905420	Snipe	Gallinago gallinago	bird	31/05/2012	field record	1 Count of Adult	BoCC:Amber; Kirklees BAP	1658
SE1107	Snipe	Gallinago gallinago	bird	1970 - 1988	field record		BoCC:Amber; Kirklees BAP	1697
SE1164008540	Snipe	Gallinago gallinago	bird	18/07/2012	field record	2 Count of Adult	BoCC:Amber; Kirklees BAP	1810
SE1227405304	Snipe	Gallinago gallinago	bird	31/05/2012	field record	1 Count of Adult	BoCC:Amber; Kirklees BAP	1816
SE117086	Snipe	Gallinago gallinago	bird	14/05/2013	field record	3 Count	BoCC:Amber; Kirklees BAP	1826
SE117086	Snipe	Gallinago gallinago	bird	17/04/2013	field record	4 Count	BoCC:Amber; Kirklees BAP	1826

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1165308667	Snipe	Gallinago gallinago	bird	23/04/2012	field record	1 Count of Adult	BoCC:Amber; Kirklees BAP	1908
SE107070	Snipe	Gallinago gallinago	bird	1970 - 1988	field record		BoCC:Amber; Kirklees BAP	1996
SE107070	Snipe	Gallinago gallinago	bird	30/04/2012	field observation		BoCC:Amber; Kirklees BAP	1996
SE107070	Snipe	Gallinago gallinago	bird	11/04/2010	field observation	2 Count	BoCC:Amber; Kirklees BAP	1996
SE1107	Black-Throated Diver	Gavia arctica	bird	1970 - 1988	field record		BoCC:Amber; UKBAP	1697
SE107070	Black-Throated Diver	Gavia arctica	bird	1970 - 1988	field record		BoCC:Amber; UKBAP	1996
SE1238605425	Oystercatcher	Haematopus ostralegus	bird	23/07/2012	field record	2 Count of Adult	BoCC:Amber	1674
SE1107	Oystercatcher	Haematopus ostralegus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE117086	Oystercatcher	Haematopus ostralegus	bird	14/05/2013	field record	2 Count	BoCC:Amber	1826
SE1072607062	Oystercatcher	Haematopus ostralegus	bird	19/07/2012	field record	1 Count of Adult	BoCC:Amber	1968
SE107070	Oystercatcher	Haematopus ostralegus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	07/05/2014	field observation	3 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	01/03/2014	field observation	6 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	17/02/2014	field observation	1 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	03/04/2013	field observation	6 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	04/03/2012	field observation	3 Count	BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Oystercatcher	Haematopus ostralegus	bird	01/03/2012	field observation	1 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	17/04/2011	field observation	2 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	02/04/2011	field observation	2 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	19/03/2011	field observation	2 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	19/03/2011	field observation	2 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	12/03/2011	field observation	2 Count	BoCC:Amber	1996
SE107070	Oystercatcher	Haematopus ostralegus	bird	20/03/2010	field observation	2 Count	BoCC:Amber	1996
SE1244207092	Swallow	Hirundo rustica	bird	09/07/2013	nest	1 Count	WYBAP; Kirklees BAP	258
SE12130752	Swallow	Hirundo rustica	bird	02/06/2011	field observation		WYBAP; Kirklees BAP	725
SE1209107840	Swallow	Hirundo rustica	bird	01/06/2012	nest		WYBAP; Kirklees BAP	980
SE1288205621	Swallow	Hirundo rustica	bird	23/07/2012	field record	8 Count of Adult	WYBAP; Kirklees BAP	1460
SE1254908617	Swallow	Hirundo rustica	bird	13/12/2009	nest		WYBAP; Kirklees BAP	1554
SE1408	Swallow	Hirundo rustica	bird	17/04/2016	field record	1 Count	WYBAP; Kirklees BAP	1595
SE1287405475	Swallow	Hirundo rustica	bird	06/05/2011	nest	3 Count	WYBAP; Kirklees BAP	1604
SE1107	Swallow	Hirundo rustica	bird	1970 - 1988	field record		WYBAP; Kirklees BAP	1697
SE117086	Swallow	Hirundo rustica	bird	12/06/2013	field record	8 Count	WYBAP; Kirklees BAP	1826

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SE117086	Swallow	Hirundo rustica	bird	14/05/2013	field record	1 Count	WYBAP; Kirklees BAP	1826
SE117086	Swallow	Hirundo rustica	bird	17/04/2013	field record	3 Count	WYBAP; Kirklees BAP	1826
SE1108	Swallow	Hirundo rustica	bird	1970 - 1988	field record		WYBAP; Kirklees BAP	1933
SE107070	Swallow	Hirundo rustica	bird	1970 - 1988	field record		WYBAP; Kirklees BAP	1996
SE107070	Swallow	Hirundo rustica	bird	30/04/2012	field observation		WYBAP; Kirklees BAP	1996
SE1107	Red Grouse	Lagopus lagopus	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1697
SE1220405410	Red Grouse	Lagopus lagopus	bird	25/04/2012	field record	1 Count of Female; 2 Count of Male	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1731
SE1190605492	Red Grouse	Lagopus lagopus	bird	25/04/2012	field record	1 Count of Adult	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1765
SE1195305269	Red Grouse	Lagopus lagopus	bird	31/05/2012	field record	1 Count of Pair	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1948
SE107070	Red Grouse	Lagopus lagopus	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Red Grouse	Lagopus lagopus	bird	18/04/2014	field observation	3 Count	BoCC:Amber; UKBAP;	1996

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							WYBAP; Kirklees BAP	
SE107070	Red Grouse	Lagopus lagopus	bird	03/11/2013	field observation	1 Count	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Herring Gull	Larus argentatus	bird	1970 - 1988	field record		BoCC:Red; UKBAP	1697
SE117086	Herring Gull	Larus argentatus	bird	12/06/2013	field record	10 Count	BoCC:Red; UKBAP	1826
SE107070	Herring Gull	Larus argentatus	bird	1970 - 1988	field record		BoCC:Red; UKBAP	1996
SE107070	Herring Gull	Larus argentatus	bird	25/02/2012	field observation	1 Count	BoCC:Red; UKBAP	1996
SE1107	Common Gull	Larus canus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Common Gull	Larus canus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Lesser Black-Backed Gull	Larus fuscus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Lesser Black-Backed Gull	Larus fuscus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Great Black-Backed Gull	Larus marinus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Great Black-Backed Gull	Larus marinus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Black-Headed Gull	Larus ridibundus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Black-Headed Gull	Larus ridibundus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Black-Headed Gull	Larus ridibundus	bird	20/09/2014	field observation	130 Count	BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Common Scoter	Melanitta nigra	bird	24/08/2013	field observation	9 Count	Sch1_part1; BoCC:Red; UKBAP	1996
SE1107	Grey Wagtail	Motacilla cinerea	bird	1970 - 1988	field record		BoCC:Red	1697
SE107070	Grey Wagtail	Motacilla cinerea	bird	1970 - 1988	field record		BoCC:Red	1996
SE1262405232	Yellow Wagtail	Motacilla flava	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1839
SE1107	Yellow Wagtail	Motacilla flava subsp. flavissima	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1697
SE107070	Yellow Wagtail	Motacilla flava subsp. flavissima	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1996
SE1107	Spotted Flycatcher	Muscicapa striata	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Spotted Flycatcher	Muscicapa striata	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Spotted Flycatcher	Muscicapa striata	bird	01/09/2014	field observation	1 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1338506090	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP;	1194

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							WYBAP; Kirklees BAP	
SE1319505934	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1238
SE1306805867	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1257
SE1227005854	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1289
SE1226605855	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1289
SE1211305917	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1293
SE1203705764	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1463
SE1209405686	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1510
SE1221605624	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP;	1524

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							WYBAP; Kirklees BAP	
SE1245305528	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1561
SE1227505562	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1566
SE1242805512	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1581
SE1181805748	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1587
SE1233005507	Curlew	Numenius arquata	bird	23/07/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1605
SE1184305633	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1671
SE1331305497	Curlew	Numenius arquata	bird	31/05/2012	field record	10 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1687
SE1107	Curlew	Numenius arquata	bird	1970 - 1988	field record		BoCC:Red; UKBAP;	1697

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							WYBAP; Kirklees BAP	
SE1174405651	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1709
SE1252205367	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1711
SE1316805422	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1712
SE1268105335	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1734
SE1253405331	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1746
SE1198605472	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1749
SE1240305332	Curlew	Numenius arquata	bird	25/04/2012	field record	3 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1762
SE1269405298	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP;	1771

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							WYBAP; Kirklees BAP	
SE1286105284	Curlew	Numenius arquata	bird	25/04/2012	field record	2 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1792
SE1277205274	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1797
SE1301605300	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1797
SE1266205266	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1804
SE1268505265	Curlew	Numenius arquata	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1804
SE1227005297	Curlew	Numenius arquata	bird	23/07/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1823
SE117086	Curlew	Numenius arquata	bird	14/05/2013	field record	1 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE117086	Curlew	Numenius arquata	bird	17/04/2013	field record	7 Count	BoCC:Red; UKBAP;	1826

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							WYBAP; Kirklees BAP	
SE1183605458	Curlew	Numenius arquata	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1827
SE1272005168	Curlew	Numenius arquata	bird	31/05/2012	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1901
SE1082006575	Curlew	Numenius arquata	bird	30/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1939
SE107070	Curlew	Numenius arquata	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Curlew	Numenius arquata	bird	18/04/2014	field observation		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Curlew	Numenius arquata	bird	03/04/2013	field observation	1 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Curlew	Numenius arquata	bird	30/04/2012	field observation		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Curlew	Numenius arquata	bird	11/04/2010	field observation	6 Count	BoCC:Red; UKBAP;	1996

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							WYBAP; Kirklees BAP	
SE107070	Curlew	Numenius arquata	bird	10/03/2010	field observation	3 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1302806006	Wheatear	Oenanthe oenanthe	bird	23/07/2012	field record	1 Count of Adult	BoCC:Amber	1113
SE1304505776	Wheatear	Oenanthe oenanthe	bird	25/04/2012	field record	3 Count of Adult	BoCC:Amber	1338
SE1107	Wheatear	Oenanthe oenanthe	bird	1970 - 1988	field record		BoCC:Amber	1697
SE117086	Wheatear	Oenanthe oenanthe	bird	14/05/2013	field record	4 Count	BoCC:Amber	1826
SE117086	Wheatear	Oenanthe oenanthe	bird	17/04/2013	field record	3 Count	BoCC:Amber	1826
SE1170108666	Wheatear	Oenanthe oenanthe	bird	29/05/2012	field record	1 Count of Adult; 1 Count of Female	BoCC:Amber	1881
SE107070	Wheatear	Oenanthe oenanthe	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Wheatear	Oenanthe oenanthe	bird	18/04/2014	field observation	10 Count	BoCC:Amber	1996
SE107070	Wheatear	Oenanthe oenanthe	bird	30/04/2012	field observation		BoCC:Amber	1996
SE107070	Wheatear	Oenanthe oenanthe	bird	17/04/2011	field observation	9 Count	BoCC:Amber	1996
SE107070	Wheatear	Oenanthe oenanthe	bird	11/04/2010	field observation	2 Count of Female; 3 Count of Male	BoCC:Amber	1996
SE107070	Wheatear	Oenanthe oenanthe	bird	01/09/1988	field record	2 Count of Adult	BoCC:Amber	1996

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SE107070	Willow Tit	Parus montanus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE117086	Marsh Tit	Parus palustris	bird	17/04/2013	field record	1 Count	BoCC:Red; UKBAP	1826
SE1107	House Sparrow	Passer domesticus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	House Sparrow	Passer domesticus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Tree Sparrow	Passer montanus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Tree Sparrow	Passer montanus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Grey Partridge	Perdix perdix	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Grey Partridge	Perdix perdix	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Grey Partridge	Perdix perdix	bird	17/11/2013	field observation	6 Count	BoCC:Red; UKBAP;	1996

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							WYBAP; Kirklees BAP	
SE107070	Ruff	Philomachus pugnax	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1996
SE1107	Black Redstart	Phoenicurus ochruros	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1697
SE107070	Black Redstart	Phoenicurus ochruros	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1996
SE1107	Redstart	Phoenicurus phoenicurus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Redstart	Phoenicurus phoenicurus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Redstart	Phoenicurus phoenicurus	bird	30/04/2012	field observation	1 Count	BoCC:Amber	1996
SE1107	Willow Warbler	Phylloscopus trochilus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE1108	Willow Warbler	Phylloscopus trochilus	bird	1970 - 1988	field record		BoCC:Amber	1933
SE107070	Willow Warbler	Phylloscopus trochilus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Willow Warbler	Phylloscopus trochilus	bird	06/05/2014	field observation	10 Count	BoCC:Amber	1996
SE1107	Green Woodpecker	Picus viridis	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Green Woodpecker	Picus viridis	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Green Woodpecker	Picus viridis	bird	03/04/2010	field observation	1 Count	BoCC:Amber	1996
SE1301805905	Golden Plover	Pluvialis apricaria	bird	25/04/2012	field record	1 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1207

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SE1305305877	Golden Plover	Pluvialis apricaria	bird	23/07/2012	field record	10 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1243
SE1306505863	Golden Plover	Pluvialis apricaria	bird	25/04/2012	field record	10 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1260
SE1303205852	Golden Plover	Pluvialis apricaria	bird	25/04/2012	field record	2 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1262
SE1335005719	Golden Plover	Pluvialis apricaria	bird	31/05/2012	field record	1 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1498
SE1322605494	Golden Plover	Pluvialis apricaria	bird	31/05/2012	field record	1 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1660
SE1107	Golden Plover	Pluvialis apricaria	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1697
SE1246105384	Golden Plover	Pluvialis apricaria	bird	31/05/2012	field record	2 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1702
SE1164008540	Golden Plover	Pluvialis apricaria	bird	18/07/2012	field record	20 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1810
SE1227805298	Golden Plover	Pluvialis apricaria	bird	25/04/2012	field record	1 Count of Adult	BoCC:Amber; WYBAP; Kirklees BAP	1821
SE107070	Golden Plover	Pluvialis apricaria	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1996
SE1254908617	Dunnock	Prunella modularis	bird	13/12/2009	field record	1 Count of Pair	BoCC:Amber; UKBAP;	1554

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							WYBAP; Kirklees BAP	
SE1107	Dunnock	Prunella modularis	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Dunnock	Prunella modularis	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1996
SE1288205621	Bullfinch	Pyrrhula pyrrhula	bird	23/07/2012	field record	1 Count of Adult	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1460
SE1107	Bullfinch	Pyrrhula pyrrhula	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Bullfinch	Pyrrhula pyrrhula	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Bullfinch	Pyrrhula pyrrhula	bird	17/02/2014	field observation	3 Count	BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Sand Martin	Riparia riparia	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Sand Martin	Riparia riparia	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Sand Martin	Riparia riparia	bird	30/04/2012	field observation	2 Count	BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Kittiwake	Rissa tridactyla	bird	1970 - 1988	field record		BoCC:Red	1996
SE107070	Kittiwake	Rissa tridactyla	bird	1988	field record	2 Count of Adult	BoCC:Red	1996
SE1107	Whinchat	Saxicola rubetra	bird	1970 - 1988	field record		BoCC:Red	1697
SE107070	Whinchat	Saxicola rubetra	bird	1970 - 1988	field record		BoCC:Red	1996
SE1107	Woodcock	Scolopax rusticola	bird	1970 - 1988	field record		BoCC:Red; Kirklees BAP	1697
SE107070	Woodcock	Scolopax rusticola	bird	1970 - 1988	field record		BoCC:Red; Kirklees BAP	1996
SE107070	Common Tern	Sterna hirundo	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Turtle Dove	Streptopelia turtur	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Turtle Dove	Streptopelia turtur	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Tawny Owl	Strix aluco	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Tawny Owl	Strix aluco	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Tawny Owl	Strix aluco	bird	20/03/2010	field observation	1 Count	BoCC:Amber	1996
SE1107	Starling	Sturnus vulgaris	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697

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SE117086	Starling	<i>Sturnus vulgaris</i>	bird	12/06/2013	field record	32 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE1108	Starling	<i>Sturnus vulgaris</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1933
SE1166108719	Starling	<i>Sturnus vulgaris</i>	bird	18/07/2012	field record	50 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1947
SE107070	Starling	<i>Sturnus vulgaris</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Starling	<i>Sturnus vulgaris</i>	bird	17/02/2013	field observation		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Whitethroat	<i>Sylvia communis</i>	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Whitethroat	<i>Sylvia communis</i>	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Little Grebe	<i>Tachybaptus ruficollis</i>	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Little Grebe	<i>Tachybaptus ruficollis</i>	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Shelduck	<i>Tadorna tadorna</i>	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Shelduck	<i>Tadorna tadorna</i>	bird	01/01/1988	field record	8 Count of Adult	BoCC:Amber	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1107	Spotted Redshank	Tringa erythropus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Spotted Redshank	Tringa erythropus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE107070	Greenshank	Tringa nebularia	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1996
SE1107	Green Sandpiper	Tringa ochropus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1697
SE107070	Green Sandpiper	Tringa ochropus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1996
SE1107	Redshank	Tringa totanus	bird	1970 - 1988	field record		BoCC:Amber	1697
SE107070	Redshank	Tringa totanus	bird	1970 - 1988	field record		BoCC:Amber	1996
SE1107	Redwing	Turdus iliacus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1697
SE107070	Redwing	Turdus iliacus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1996
SE1107	Song Thrush	Turdus philomelos	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Song Thrush	Turdus philomelos	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1107	Fieldfare	Turdus pilaris	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1697
SE107070	Fieldfare	Turdus pilaris	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1996
SE107070	Fieldfare	Turdus pilaris	bird	14/03/2014	field observation		Sch1_part1; BoCC:Red	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Fieldfare	Turdus pilaris	bird	17/02/2013	field observation		Sch1_part1; BoCC:Red	1996
SE1107	Ring Ouzel	Turdus torquatus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE107070	Ring Ouzel	Turdus torquatus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Ring Ouzel	Turdus torquatus	bird	18/04/2014	field observation	1 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Ring Ouzel	Turdus torquatus	bird	30/04/2012	field observation	4 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE1288205621	Mistle Thrush	Turdus viscivorus	bird	23/07/2012	field record	30 Count of Adult	BoCC:Red	1460
SE1107	Mistle Thrush	Turdus viscivorus	bird	1970 - 1988	field record		BoCC:Red	1697
SE107070	Mistle Thrush	Turdus viscivorus	bird	1970 - 1988	field record		BoCC:Red	1996
SE107070	Mistle Thrush	Turdus viscivorus	bird	17/02/2014	field observation	2 Count	BoCC:Red	1996
SE107070	Mistle Thrush	Turdus viscivorus	bird	17/02/2013	field observation		BoCC:Red	1996
SE1312406443	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	756

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1299806005	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1105
SE1301405977	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 4 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1137
SE1304205975	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1146
SE1309205969	Lapwing	Vanellus vanellus	bird	23/07/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1168
SE1313905957	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 3 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1195
SE1314905945	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1210
SE1275505855	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1216
SE1317205943	Lapwing	Vanellus vanellus	bird	23/07/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1221

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1310305907	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1230
SE1300405846	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1260
SE1313905886	Lapwing	Vanellus vanellus	bird	23/07/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1262
SE1212005910	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1296
SE1315205835	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 3 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1314
SE1329405793	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 3 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1407
SE1332105803	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1410
SE1342605851	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	4 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1417

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1337305812	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	2 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1425
SE1340005778	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 3 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1468
SE1242205602	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 2 Count of Juvenile	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1493
SE1217005582	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1578
SE1247005504	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1582
SE1237105469	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1634
SE1237205464	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1638
SE1249705423	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1659

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1167108396	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1676
SE1107	Lapwing	Vanellus vanellus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1697
SE1251805381	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1698
SE1222805422	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1713
SE1266205341	Lapwing	Vanellus vanellus	bird	25/04/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1729
SE1163808512	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1789
SE1163908539	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	4 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1810
SE1164008540	Lapwing	Vanellus vanellus	bird	18/07/2012	field record	85 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1810

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE117086	Lapwing	Vanellus vanellus	bird	12/06/2013	field record	20 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE117086	Lapwing	Vanellus vanellus	bird	14/05/2013	field record	17 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE117086	Lapwing	Vanellus vanellus	bird	17/04/2013	field record	26 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1826
SE1162708596	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1863
SE1230105224	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1888
SE1144908494	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Breeding Pair; 2 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1893
SE1149308583	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1933
SE1108	Lapwing	Vanellus vanellus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1933

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1154108635	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1945
SE1220205180	Lapwing	Vanellus vanellus	bird	31/05/2012	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1953
SE1164908739	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Breeding Pair; 1 Count of Bird chick	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1970
SE1161208731	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1983
SE1131308502	Lapwing	Vanellus vanellus	bird	29/05/2012	field record	1 Count of Adult	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1990
SE107070	Lapwing	Vanellus vanellus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Lapwing	Vanellus vanellus	bird	18/04/2014	field observation		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Lapwing	Vanellus vanellus	bird	03/04/2013	field observation	2 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE107070	Lapwing	Vanellus vanellus	bird	30/04/2012	field observation		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE107070	Lapwing	Vanellus vanellus	bird	17/04/2011	field observation	3 Count	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1996
SE126071	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	07/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	104
SE126071	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	07/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	104
SE124069	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	21/04/2009	field observation		UKBAP; WYBAP; Kirklees BAP	344
SE124069	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	21/04/2009	field observation		UKBAP; WYBAP; Kirklees BAP	344
SE132073	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	06/09/2007	field observation		UKBAP; WYBAP; Kirklees BAP	549
SE132073	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	06/09/2007	field observation		UKBAP; WYBAP; Kirklees BAP	549
SE135076	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	25/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	958
SE135076	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	25/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	958

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE117068	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	16/08/2006	field observation		UKBAP; WYBAP; Kirklees BAP	1033
SE117068	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	16/08/2006	field observation		UKBAP; WYBAP; Kirklees BAP	1033
SE118065	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	16/08/2006	field observation		UKBAP; WYBAP; Kirklees BAP	1063
SE118065	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	16/08/2006	field observation		UKBAP; WYBAP; Kirklees BAP	1063
SE137079	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	28/11/2007	field record		UKBAP; WYBAP; Kirklees BAP	1297
SE142065	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	30/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	1601
SE142065	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	30/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	1601
SE146073	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	06/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	1909
SE146073	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	06/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	1909
SE145078	Sea Trout	Salmo trutta	bony fish (Actinoptery gii)	06/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	1938

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE145078	Sea Trout	Salmo trutta	bony fish (Actinopterygii)	06/08/2007	field observation		UKBAP; WYBAP; Kirklees BAP	1938
SE1151806467	Montbretia	Crocasmia x crocosmiiflora	flowering plant	10/08/2016	field record		Sch9_part2	1324
SE1160505519	Spear-Leaved Willowherb	Epilobium lanceolatum	flowering plant	16/06/2015 - 17/06/2015	field observation	F Count of DAFOR	VC63 LRDB:Rare	1896
SE128071	Japanese Knotweed	Fallopia japonica	flowering plant	10/07/2007	field observation		Sch9_part2	104
SE126070	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	122
SE129072	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	238
SE125069	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	262
SE124069	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	344
SE130073	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	377
SE123069	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	434
SE12310684	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	452
SE131073	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	460
SE131073	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	460
SE131073	Japanese Knotweed	Fallopia japonica	flowering plant	09/09/2009	field observation		Sch9_part2	460
SE123068	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	482

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE123068	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	482
SE123068	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	482
SE12260676	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	537
SE132074	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	598
SE122067	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	621
SE122067	Japanese Knotweed	Fallopia japonica	flowering plant	06/08/2016	field record		Sch9_part2	621
SE122067	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	621
SE122067	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	621
SE122067	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	621
SE12180671	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	631
SE121068	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	656
SE12120671	Japanese Knotweed	Fallopia japonica	flowering plant	24/09/2015	field record		Sch9_part2	681
SE133074	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	683
SE122066	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	685
SE121067	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	703
SE121067	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	703

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE121067	Japanese Knotweed	Fallopia japonica	flowering plant	21/11/2015	field record	1 Count	Sch9_part2	703
SE121067	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	703
SE121067	Japanese Knotweed	Fallopia japonica	flowering plant	19/09/2015	field record		Sch9_part2	703
SE12060671	Japanese Knotweed	Fallopia japonica	flowering plant	06/08/2016	field record		Sch9_part2	733
SE134075	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	820
SE134075	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	820
SE134075	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	820
SE134075	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	820
SE134076	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	876
SE134077	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	940
SE134077	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	940
SE134077	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	940
SE13480768	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	988
SE135077	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1016
SE13490780	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	1074
SE135078	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1081

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE136078	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1157
SE137078	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1236
SE137079	Japanese Knotweed	Fallopia japonica	flowering plant	28/11/2007	field record		Sch9_part2	1297
SE138079	Japanese Knotweed	Fallopia japonica	flowering plant	02/10/2015	field record		Sch9_part2	1375
SE139080	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1515
SE140080	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1595
SE141081	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1735
SE142082	Japanese Knotweed	Fallopia japonica	flowering plant	01/10/2016	field record		Sch9_part2	1874
SE130071	Bluebell	Hyacinthoides non-scripta	flowering plant	21/06/2013	field observation	O Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	301
SE132073	Bluebell	Hyacinthoides non-scripta	flowering plant	21/06/2013	field observation	O Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	549
SE132074	Bluebell	Hyacinthoides non-scripta	flowering plant	21/06/2013	field observation	O Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	598
SE12210758	Bluebell	Hyacinthoides non-scripta	flowering plant	02/06/2011	field observation		Sch8_sect 13.2; Kirklees BAP	706
SE135074	Bluebell	Hyacinthoides non-scripta	flowering plant	21/06/2013	field observation	R Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	863
SE11870764	Bluebell	Hyacinthoides non-scripta	flowering plant	02/06/2011	field observation		Sch8_sect 13.2; Kirklees BAP	1005
SE1157306811	Bluebell	Hyacinthoides non-scripta	flowering plant	02/07/2015 - 03/07/2015	field observation	R Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	1153

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE110070	Bluebell	Hyacinthoides non-scripta	flowering plant	22/06/2001	field record		Sch8_sect 13.2; Kirklees BAP	1697
SE1179005470	Bluebell	Hyacinthoides non-scripta	flowering plant	16/06/2015 - 17/06/2015	field observation	R Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	1839
SE1139005670	Bluebell	Hyacinthoides non-scripta	flowering plant	16/06/2015 - 17/06/2015	field observation	O Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	1914
SE1079606805	Bluebell	Hyacinthoides non-scripta	flowering plant	02/07/2015 - 03/07/2015	field observation	O Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	1917
SE132073	Indian Balsam	Impatiens glandulifera	flowering plant	21/06/2013	field observation	R Count of DAFOR	Sch9_part2	549
SE12190683	Indian Balsam	Impatiens glandulifera	flowering plant	06/08/2016	field record		Sch9_part2	562
SE122067	Indian Balsam	Impatiens glandulifera	flowering plant	06/08/2016	field record		Sch9_part2	621
SE12060671	Indian Balsam	Impatiens glandulifera	flowering plant	06/08/2016	field record		Sch9_part2	733
SE134077	Indian Balsam	Impatiens glandulifera	flowering plant	02/10/2015	field record		Sch9_part2	940
SE119065	Indian Balsam	Impatiens glandulifera	flowering plant	18/09/2014	field observation		Sch9_part2	980
SE1152806466	Indian Balsam	Impatiens glandulifera	flowering plant	10/08/2016	field record	5 Count	Sch9_part2	1315
SE141065	Indian Balsam	Impatiens glandulifera	flowering plant	21/06/2018	field observation	1 Count of Present	Sch9_part2	1508
SE14140658	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1517
SE112068	Indian Balsam	Impatiens glandulifera	flowering plant	06/08/2016	field record		Sch9_part2	1520

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE14150657	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1530
SE14160659	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1533
SE14150656	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1533
SE14160658	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1536
SE14160655	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1546
SE14160654	Indian Balsam	Impatiens glandulifera	flowering plant	01/11/2016	field record		Sch9_part2	1549
SE110071	Indian Balsam	Impatiens glandulifera	flowering plant	06/08/2016	field record		Sch9_part2	1696
SE109072	Indian Balsam	Impatiens glandulifera	flowering plant	07/06/2018	field observation	1 Count of Present	Sch9_part2	1800
SE145076	Indian Balsam	Impatiens glandulifera	flowering plant	09/09/2009	field observation		Sch9_part2	1872
SE1111905892	Indian Balsam	Impatiens glandulifera	flowering plant	10/08/2016	field record	5 Count	Sch9_part2	1968
SE14250829	Indian Balsam	Impatiens glandulifera	flowering plant	11/09/2016	field record		Sch9_part2	1969
SE14260830	Indian Balsam	Impatiens glandulifera	flowering plant	11/09/2016	field record		Sch9_part2	1983
SE1160506841	Rhododendron	Rhododendron ponticum	flowering plant	02/07/2015 - 03/07/2015	field observation	R Count of DAFOR	Sch9_part2	1116
SE1085907257	Rhododendron	Rhododendron ponticum	flowering plant	02/07/2015 - 03/07/2015	field observation	R Count of DAFOR	Sch9_part2	1845
SE10770722	Rhododendron	Rhododendron ponticum	flowering plant	12/09/2016	field record		Sch9_part2	1930

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1149706002	Japanese Rose	Rosa rugosa	flowering plant	10/08/2016	field record		Sch9_part2	1606
SE121053	Agathidium arcticum	Agathidium arcticum	insect - beetle (Coleoptera)	Unknown	field record		Sch5; RDB:Pre94:Insu	1868
SE133074	Corticaria fagi	Corticaria fagi	insect - beetle (Coleoptera)	Unknown	field record		RDB:Pre94:Inde	683
SE133074	Gyrophæna williamsi	Gyrophæna williamsi	insect - beetle (Coleoptera)	Unknown	field record		Notable	683
SE110070	Hydroporus longulus	Hydroporus longulus	insect - beetle (Coleoptera)	Unknown	field record		Notable:B	1697
SE121053	Hylecoetus dermestoides	Hylecoetus dermestoides	insect - beetle (Coleoptera)	Unknown	field record		Notable:B	1868
SE121053	Miscodera arctica	Miscodera arctica	insect - beetle (Coleoptera)	Unknown	field record		Notable:B	1868
SE125063	Rabocerus gabrieli	Rabocerus gabrieli	insect - beetle (Coleoptera)	Unknown	field record		Notable:B	795
SE121053	Saperda scalaris	Saperda scalaris	insect - beetle (Coleoptera)	Unknown	field record		Notable:A	1868
SE1107	Wall	Lasiommata megera	insect - butterfly	2004	field record		UKBAP; WYBAP	1697
SE12320694	Knot Grass	Acronicta rumicis	insect - moth	09/06/2016	field record	1 Count	UKBAP; WYBAP	401
SE123070	Knot Grass	Acronicta rumicis	insect - moth	15/06/2002	trapped at 125 watt	1 Count of Adult	UKBAP; WYBAP	405

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
					mercury vapour light			
SE12320694	Dusky Brocade	Apamea remissa	insect - moth	09/06/2016	field record	1 Count	UKBAP; WYBAP	401
SE12320694	Broom Moth	Melanchra pisi	insect - moth	09/06/2016	field record	1 Count	UKBAP	401
SE12320694	White Ermine	Spilosoma lubricipeda	insect - moth	09/06/2016	field record	2 Count	UKBAP; WYBAP	401
SE12320694	Buff Ermine	Spilosoma luteum	insect - moth	09/06/2016	field record	10 Count	UKBAP; WYBAP	401
SE12320694	Dark-barred Twin-spot Carpet	Xanthorhoe ferrugata	insect - moth	09/06/2016	field record	1 Count	UKBAP; WYBAP	401
SE138078	Shining ram's-horn snail	Segmentina nitida	mollusc	15/05/1997	field observation		RDB:Pre94:EN; UKBAP	1318
SE138078	Shining ram's-horn snail	Segmentina nitida	mollusc	15/05/1997	field observation		RDB:Pre94:EN; UKBAP	1318
SE113083	Viviparous Lizard	Lacerta vivipara	reptile	1914	field record		Sch5_sect9.1 (part) & 9.5; UKBAP; WYBAP; Kirklees BAP	1860
SE1408	Grass Snake	Natrix natrix	reptile	1913	field record		Sch5_sect9.1 (part) & 9.5; UKBAP; WYBAP; Kirklees BAP	1595
SE12210758	Brown Hare	Lepus europaeus	terrestrial mammal	02/06/2011	field observation		UKBAP; WYBAP; Kirklees BAP	706
SE11770771	Brown Hare	Lepus europaeus	terrestrial mammal	02/06/2011	None		UKBAP; WYBAP; Kirklees BAP	1127

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE11100672	Brown Hare	Lepus europaeus	terrestrial mammal	31/03/2016	field record	2 Count	UKBAP; WYBAP; Kirklees BAP	1633
SE14300659	Brown Hare	Lepus europaeus	terrestrial mammal	23/03/2018	field record	3 Count	UKBAP; WYBAP; Kirklees BAP	1666
SE1274707096	Unidentified Bat	Myotis	terrestrial mammal	01/06/2010	field record	1 Count	Sch5	54
SE1244207092	Unidentified Bat	Myotis	terrestrial mammal	09/07/2013	field record	1 Count	Sch5	258
SE1206706622	Unidentified Bat	Myotis	terrestrial mammal	06/07/2016	Roost	1 Count	Sch5	774
SE1206106622	Unidentified Bat	Myotis	terrestrial mammal	25/05/2016	foraging		Sch5	779
SE1351007346	Unidentified Bat	Myotis	terrestrial mammal	01/06/2010	Roost	1 Count	Sch5	854
SE1274707096	Daubenton's Bat	Myotis daubentoni	terrestrial mammal	01/06/2010	field record	1 Count	Sch5; WYBAP; Kirklees BAP	54
SE1276307854	Daubenton's Bat	Myotis daubentoni	terrestrial mammal	July 2014 - August 2014	foraging		Sch5; WYBAP; Kirklees BAP	786
SE13780789	Daubenton's Bat	Myotis daubentoni	terrestrial mammal	01/06/2012	field record	2 Count	Sch5; WYBAP; Kirklees BAP	1353
SE127071	Daubenton's Bat	Myotis daubentonii	terrestrial mammal	18/08/2007	aural bat detector		Sch5; WYBAP; Kirklees BAP	30
SE1205806619	Whiskered Bat	Myotis mystacinus	terrestrial mammal	05/11/2015	field record		Sch5; WYBAP; Kirklees BAP	783
SE13060772	Leisler's Bat	Nyctalus leisleri	terrestrial mammal	30/07/2015	foraging	2 Count	Sch5; WYBAP; Kirklees BAP	742
SE1274707096	Noctule	Nyctalus noctula	terrestrial mammal	01/06/2010	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	54

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1276307854	Noctule	Nyctalus noctula	terrestrial mammal	July 2014 - August 2014	foraging		Sch5; UKBAP; WYBAP; Kirklees BAP	786
SE13780789	Noctule	Nyctalus noctula	terrestrial mammal	01/06/2012	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1353
SE12550876	Noctule	Nyctalus noctula	terrestrial mammal	06/06/2018	field record		Sch5; UKBAP; WYBAP; Kirklees BAP	1696
SE1442107983	Pipistrellus	Pipistrellus	terrestrial mammal	22/08/2005	Roost		Sch5	1944
SE1460607543	Pipistrellus	Pipistrellus	terrestrial mammal	07/06/2005	Roost	19 Count of Adult	Sch5	1959
SE127071	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	18/08/2007	aural bat detector		Sch5; WYBAP; Kirklees BAP	30
SE1274707096	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/06/2010	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	54
SE1244207092	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	09/07/2013	field record		Sch5; WYBAP; Kirklees BAP	258
SE128074	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	30/06/2008	field record		Sch5; WYBAP; Kirklees BAP	345
SE128074	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	30/06/2008	aural bat detector		Sch5; WYBAP; Kirklees BAP	345
SE122068	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/09/2015	field record	5 Count	Sch5; WYBAP; Kirklees BAP	567
SE122067	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/09/2015	field record	3 Count	Sch5; WYBAP; Kirklees BAP	621
SE1232306569	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	2010 - 2015	Roost (maternity)		Sch5; WYBAP; Kirklees BAP	626
SE1206106622	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/07/2016	in flight	2 Count	Sch5; WYBAP; Kirklees BAP	779

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1206106622	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/07/2016	foraging		Sch5; WYBAP; Kirklees BAP	779
SE1206106622	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	25/05/2016	foraging		Sch5; WYBAP; Kirklees BAP	779
SE1276307854	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	July 2014 - August 2014	foraging		Sch5; WYBAP; Kirklees BAP	786
SE1205606610	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/08/2016	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	790
SE1351007346	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/06/2010	field record		Sch5; WYBAP; Kirklees BAP	854
SE1209107840	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	12/07/2012	field record	8 Count	Sch5; WYBAP; Kirklees BAP	980
SE1209107840	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	27/06/2012	field record		Sch5; WYBAP; Kirklees BAP	980
SE1209207853	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/07/2012	field record		Sch5; WYBAP; Kirklees BAP	990
SE1184206427	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	15/05/2012	field record		Sch5; WYBAP; Kirklees BAP	1070
SE1377207477	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/07/2013	field record		Sch5; WYBAP; Kirklees BAP	1144
SE1344208097	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	14/08/2012	Roost (transitional)	1 Count	Sch5; WYBAP; Kirklees BAP	1265
SE1157006487	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/08/2010	field record		Sch5; WYBAP; Kirklees BAP	1269
SE13780789	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/06/2012	field record	2 Count	Sch5; WYBAP; Kirklees BAP	1353
SE1158507877	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	28/04/2010	field record		Sch5; WYBAP; Kirklees BAP	1374
SE1178008180	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	17/08/2011	field record	4 Count	Sch5; WYBAP; Kirklees BAP	1440

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1413906749	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	15/08/2009	field record		Sch5; WYBAP; Kirklees BAP	1470
SE1254908616	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/05/2010	Roost	2 Count	Sch5; WYBAP; Kirklees BAP	1553
SE1254908617	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/05/2010	aural bat detector		Sch5; WYBAP; Kirklees BAP	1554
SE1254908617	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/05/2010	Roost		Sch5; WYBAP; Kirklees BAP	1554
SE1254908617	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/05/2010	aural bat detector		Sch5; WYBAP; Kirklees BAP	1554
SE1254908617	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/05/2010	aural bat detector		Sch5; WYBAP; Kirklees BAP	1554
SE1254908617	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/05/2010	aural bat detector		Sch5; WYBAP; Kirklees BAP	1554
SE14230739	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/06/2012	field record	5 Count	Sch5; WYBAP; Kirklees BAP	1559
SE1255508763	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	17/05/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1699
SE14420682	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	28/08/2015	Dead	1 Count	Sch5; WYBAP; Kirklees BAP	1733
SE1412108096	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	Jun-14	foraging		Sch5; WYBAP; Kirklees BAP	1749
SE145072	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	23/10/2008	aural bat detector		Sch5; WYBAP; Kirklees BAP	1800
SE1409505842	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	03/06/2010	field record		Sch5; WYBAP; Kirklees BAP	1855
SE11060604	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	30/05/2017	field record		Sch5; WYBAP; Kirklees BAP	1932
SE11060603	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	29/06/2017	field record	2 Count	Sch5; WYBAP; Kirklees BAP	1938
SE11060603	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	30/05/2017	field record		Sch5; WYBAP; Kirklees BAP	1938

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE144081	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	15/07/2008	aural bat detector		Sch5; WYBAP; Kirklees BAP	1983
SE1274707096	Soprano Pipistrelle	Pipistrellus pygmaeus	terrestrial mammal	01/06/2010	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	54
SE1184206427	Soprano Pipistrelle	Pipistrellus pygmaeus	terrestrial mammal	15/05/2012	field record		Sch5; UKBAP; WYBAP; Kirklees BAP	1070
SE14230739	Soprano Pipistrelle	Pipistrellus pygmaeus	terrestrial mammal	01/06/2012	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1559
SE1253007140	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	10/07/2007	Roost		Sch5	183
SE13310810	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	08/05/2006	Grounded	1 Count of Adult	Sch5	1196
SE1276307854	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	July 2014 - August 2014	field record		Sch5; UKBAP; WYBAP; Kirklees BAP	786
SE1178008180	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	17/08/2011	Roost	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1440
SE1255308761	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	03/05/2018	Roost		Sch5; UKBAP; WYBAP; Kirklees BAP	1697
SE1106306034	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	30/05/2017	Roost		Sch5; UKBAP; WYBAP; Kirklees BAP	1933
SE11060603	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	30/05/2017	Roost	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1938

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE11060603	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	30/05/2017	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1938
SE11060603	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	02/11/2016	droppings		Sch5; UKBAP; WYBAP; Kirklees BAP	1938
SE12470721	Vesper Bat species	Vespertilionidae	terrestrial mammal	17/08/2007	Grounded	1 Count of Adult	Sch5	269
SE12540651	Vesper Bat species	Vespertilionidae	terrestrial mammal	21/08/2003	in building	1 Count of Adult	Sch5	582
SE1310407737	Vesper Bat species	Vespertilionidae	terrestrial mammal	11/08/2003	Roost		Sch5	779
SE1201807460	Bats	Vespertilionidae	terrestrial mammal	01/07/2012	Roost		Sch5	784
SE12870786	Vesper Bat species	Vespertilionidae	terrestrial mammal	06/09/2004	Casualty	1 Count of Adult	Sch5	808
SE1209107840	Bats	Vespertilionidae	terrestrial mammal	01/06/2012	droppings	2 Count	Sch5	980
SE1367608204	Vesper Bat species	Vespertilionidae	terrestrial mammal	01/08/2003	Roost		Sch5	1494
SE1420106840	Bats	Vespertilionidae	terrestrial mammal	1997	Roost (possible)		Sch5	1514
SE139080	Vesper Bat species	Vespertilionidae	terrestrial mammal	20/09/2007	Grounded	1 Count of Adult	Sch5	1515
SE1404008003	Bats	Vespertilionidae	terrestrial mammal	May-14	Roost	present Count of Roost	Sch5	1630
SE141083	Vesper Bat species	Vespertilionidae	terrestrial mammal	1997	field record		Sch5	1860
SE1442107983	Vesper Bat species	Vespertilionidae	terrestrial mammal	26/07/2001	Roost (excluded)		Sch5	1944
SE1442107983	Bats	Vespertilionidae	terrestrial mammal	2005	Roost (possible)		Sch5	1944

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1460507543	Bats	Vespertilionidae	terrestrial mammal	2005	Roost		Sch5	1958

West Yorkshire Local Wildlife Site

Site Name: Carr Green Meadows	Location: Holmfirth, Kirklees
Date of Survey: 02/06/2011	Surveyor: Robert Mashedor
Grid Reference: SE121 075	Site Area (ha): 0.678ha (First field only)
Natural Area: Coal Measures	Public Access: Public footpath
NVC Communities:	

Site Description

Carr Green Meadows are a pair of small hay meadows on a south facing slope north of Coldwell Lane.

The grassland of the first field (SE1213 0752) is relatively diverse with frequent pignut (*Conopodium majus*), sweet vernal-grass (*Anthoxanthum odoratum*) and yellow rattle (*Rhinanthus minor*) other neutral grassland indicators include lady's mantle (*Alchemilla vulgaris*), oxeye daisy (*Leucanthemum vulgare*) and meadow vetchling (*Lathyrus pratensis*). There are additional small areas below the dry stone wall on the northern boundary with harebell (*Campanula rotundifolia*) and field woodrush (*Luzula campestris*) reflecting slightly more acidic conditions.

The second field (SE1221 0758) has similar amounts of pignut, sweet vernal-grass, yellow rattle and meadow vetchling as the first field, but lacks the other species. It does however support small amounts of common birdsfoot trefoil (*Lotus corniculatus*) and isolated patches of bluebell (*Hyacinthoides non-scripta*).

There are three adjacent fields, two hay meadows (SE1209 0758 and SE1201 0754) which support pignut and yellow rattle and one pasture (SE1231 0747) with pignut but they lack the diversity of the first two fields.

The boundaries are all dry stone walls.

Ecological Evaluation

The first field (se 1213 0752) scores 7/8 against neutral grassland Local Wildlife Site criteria Gr3. This would qualify under Gr5 if it lies with 500m of another grassland Local Wildlife Site as it is within 20% of the threshold. New Laith grasslands are within 200m.

The second field scores only 5/8 which is insufficient to warrant designation and the remaining fields only support 1 or 2 of the quality indicators and do not qualify.

Kirklees Council Environment Unit Comments (28/09/2012)

Fields 1 and 2 are considered to qualify under Gr5 (due to proximity to New Laith fields). The remaining three fields, whilst not diverse are semi-natural in character and arguably meet Gr5 (see Application of guidelines for Gr5). For discussion.

West Yorkshire Local Wildlife Site

Site Name/ Code: Digley Reservoir/Marsden Clough	Location: Holmbridge, Kirklees
Date of Survey: 02/07/2015	Surveyor: A. Jukes, West Yorkshire Ecology
Grid Reference: SE089069	Site Area (Ha): 48
Natural Area: Dark Peak	Public Access: public footpaths
NVC Communities: W10, W16, W25, H9, H12, U4, U5, U20, MG6	

Site Description

Digley Reservoir and Marsden Clough is a large site containing a mixture of habitats including standing and running water, woodland, heath and acid grassland. Surrounding land is mainly semi-improved neutral and semi-improved acid grassland, with houses and gardens to the east and heath to the south west. There are public footpaths through most of the site, although Marsden Clough to the west is not accessible. Part of Digley Quarries LGS is within the boundary to the east, and the Dark Peak SSSI borders the site to the west. Yateholme Reservoirs and Plantations is south of the site.

Around Digley Reservoir is a mixture of mainly plantation woodland, heathland and acid grassland. Most of the woodland on the north side of the reservoir is coniferous plantation (mapped as A122), with *Larix* and *Pinus* sp. in the canopy, locally frequent *Rhododendron ponticum* and a sparse ground flora. There are smaller areas of broadleaved plantation (A112) with frequent *Acer pseudoplatanus* and *Salix* spp. and patches of *Pteridium aquilinum* and *Urtica dioica*. On the south side of the reservoir there is an area mapped as W16 (Lumbank Wood) with frequent *Quercus robur*, *Betula pubescens* and *Sorbus aucuparia* with occasional *Quercus petraea* and *Betula pendula* in the canopy. The ground flora has abundant *Pteridium aquilinum*, frequent *Deschampsia flexuosa*, *Rubus fruticosus* agg. and *Vaccinium myrtillus* and occasional *Hypnum cupressiforme*. The area mapped as W10 (Digley Wood) has frequent *Quercus robur* and occasional *Quercus petraea*, *Fagus sylvatica*, *Acer pseudoplatanus* and *Betula* spp. in the canopy. The ground flora has abundant *Holcus mollis*, frequent *Pteridium aquilinum*, *Rubus fruticosus* agg. and *Dryopteris dilatata* and occasional *Hyacinthoides non-scripta*. Areas mapped as H12 have abundant/locally abundant *Calluna vulgaris*, *Vaccinium myrtillus*, *Pteridium aquilinum* and *Holcus mollis*, while areas mapped as H9 are dominated by *Calluna vulgaris* with locally abundant *Pteridium aquilinum*. Seedlings and saplings of *Betula* spp. are frequent.

East of Digley Reservoir, along Digley Brook, is mainly broadleaved plantation woodland (mapped as A112) with abundant *Fagus sylvatica*, frequent *Betula* spp. and occasional *Acer pseudoplatanus*. The ground flora has locally abundant *Pteridium aquilinum* and frequent grass species including *Poa annua*, *Anthoxanthum odoratum*, *Dactylis glomerata* and *Poa trivialis*. There is a strip of woodland which is a better match with W10, with frequent *Acer pseudoplatanus* and occasional *Quercus petraea*, *Quercus robur*, *Fraxinus excelsior* and *Betula* spp. in the canopy. The ground flora has frequent *Rubus fruticosus* agg., *Dryopteris dilatata* and *Athyrium filix-femina* with occasional *Carex remota*, *Chrysosplenium oppositifolium* and *Oxalis actosella*. The banks of Digley Brook have

frequent *Chrysosplenium oppositifolium* and *Rhizomnium punctatum* and occasional *Claytonia sibirica*, *Oxalis acetosella*, *Plagiomnium undulatum* and *Ranunculus ficaria*.

Around Bilberry Reservoir to the west is more H12 heath with scrub, and along Marsden Clough is a mixture of H12/acid grassland with abundant *Calluna vulgaris* and *Vaccinium myrtillus*, patches dominated by *Pteridium aquilinum* (U20) and scattered trees and scrub including *Betula* spp., *Quercus* spp., *Salix* spp. and *Sorbus aucuparia*.

Bird species recorded are Mallard, Greenfinch, Woodpigeon, Cuckoo, Robin, Chaffinch, Grey Wagtail, Magpie, Blackbird and Lapwing. Ringlet, Meadow Brown, Red-and-Black Frog hopper, Common Frog and Common Toad were also recorded.

Ecological Evaluation

The acid grassland, neutral grassland and mire areas are not species-rich enough to meet any of the Criteria. Some of the acid grassland/heathland areas are relatively species-rich, scoring a maximum of 10, however, the threshold for Gr4 upland acid grassland species diversity is 12. The woodland areas are also not species-rich enough to meet Wd3, scoring a maximum of 6 with the threshold for Wd3 being 8. There are areas shown as ancient semi-natural woodland (Marsden Clough to the west) and replanted ancient woodland (Shaw Bank Wood/Green Wood to the east). However, the area in Marsden Clough is not considered to meet Criteria Wd1 for ancient semi-natural woodland over 0.5ha as it is very open and scrubby without a good woodland ground flora.

The site meets Criteria Mh2 for habitat diversity, as it is a large site (48ha) with a range of different habitat types. Habitats within the proposed site boundary are dry heath (3 points), tall coarse grassland and scattered scrub mosaic (2 points), scrub communities of more than one species (2 points), open water (2 points), heath/acid grassland mosaic (2 points), secondary semi-natural woodland (2 points) and species-poor marsh/fen (1 point) and Wildlife Habitat Network score 2, giving a total of 16 points with the threshold being 12. Most of these habitats are included in Kirklees BAP under rivers, upland flushes and fens, upland heathland, upland oakwood, scrub and semi-natural grassland.

The site supports a number of different bird species including Lapwing and Cuckoo (red list) and Grey Wagtail and Mallard (amber list). Breeding bird surveys would need to be carried out to assess the site against the relevant Criteria.

West Yorkshire Local Wildlife Site

Site Name/ Code: Malkin House Wood, SWS	Location: Holmfirth, Kirklees
Date of Survey: 21/06/2013	Surveyor: E. Skinner, West Yorkshire Ecology
Grid Reference: SE132073	Site Area (Ha): 5.97
Natural Area: Coal Measures	Public Access: footpath through the site
NVC Communities: U4, W10, W16	

Site Description

Malkin House Wood is located just south of Holmfirth on the southern side of the River Holme, which flows from west to east. There is an old mill and large mill pond, to the north of the site, while much of the surrounds are meadow fields and grazing land, of neutral and acid grassland. Brae Wood adjoins the south-western end of the site and this is grazed by cattle and has a small beck flowing through it, from south to north.

The northern part of the site is on a steep gradient and is host to the W16 acid woodland community. Species present include: frequent *Quercus petraea* and occasional *Betula pubescens* in the canopy, with occasional *Ilex aquifolium* in the ground flora, frequent *Holcus mollis* and *Dryopteris dilatata*, occasional *Luzula sylvatica*, *Rubus fruticosus*, *Deschampsia flexuosa* and *Hyacinthoides non-scripta*, and rare *Luzula pilosa* and *Blechnum spicant* in the ground flora.

The rest of the woodland area is W10 acid woodland or a mix of W10/ W16 woodland. The species in the W10 include: frequent *Quercus petraea* and occasional *Betula pubescens* in the canopy, with occasional *Ilex aquifolium* in the shrub layer, and occasional *Hyacinthoides non-scripta*, *Pteridium aquilinum*, *Rubus fruticosus*, *Dryopteris dilatata* and *Oxalis acetosella* in the ground flora.

Fauna recorded during the site visit were: long-tailed tit (2 seen together), carrion crow (heard calling), blackbird (seen feeding), chaffinch (singing male), garden warbler (singing male), great tit (singing male), goldfinch (singing male), wood pigeon (in flight), great-spotted woodpecker (youngster), robin (calling), jay (feeding) and heron (hunting on beck). A shrew was heard calling and an unidentified beetle was seen. There were two beetles recorded previously at the site, one RDB species *Corticaria fagi* and one notable species *Gyrophaena williamsi*.

Ecological Evaluation

The site contains good examples of the W10 and W16 acid woodland communities, with few non-native species, and a good range of quality flora indicator species.

It meets Criteria Wd3, as it is host to species scoring 9 points for botanical diversity, with the threshold for Wd3 being 8. A few of these species occur sparingly across the site but only 1 is restricted and not disbursed throughout.

Kirklees Grassland Survey 2011
Evaluation Against Local Wildlife Site Criteria

Site Name: New Laith	Location: Holmfirth
Date of Survey: 02/06/2012	Surveyor: Robert Masheder, West Yorkshire Ecology
Grid Reference: SE116077	Site Area (ha): 10.73ha (all 14 fields) 6.84ha (only the better fields below)
Natural Area: Coal Measures/Dark Peak	Public Access: Public footpaths and lanes
NVC Communities: MG5, MG6	

Site Description

New Laith has 14 neutral grassland fields 12 of which are managed as hay meadows and 2 as permanent pasture. The most species rich are Field 1 (SE1167 0778) and Field 3 (SE1164 0776) which have a range of good quality unimproved neutral grassland indicator species including sweet vernal grass (*Anthoxanthum odoratum*), lady's smock (*Cardamine pratensis*), black knapweed (*Centaurea nigra*), pignut (*Conopodium majus*), meadow vetchling (*Lathyrus pratensis*), yellow rattle (*Rhinanthus minor*) and yellow oat-grass (*Trisetum flavescens*). These fields represent good examples of MG5 grassland with a combined area of 2.05ha. Of the remaining meadows Field 2 (SE1157 0770), Field 4 (SE1172 0764), Field 7 (SE1184 0776), Field 9 (SE1180 0758), Field 10 (SE1184 0784), Field 11 (SE1190 0791) and Field 13 (SE1186 0794) all have reasonable diversity and frequent or occasional pignut an old meadow indicator. They also hold bird's-foot trefoil (*Lotus corniculatus*) and oxeye daisy (*Lucanthernum vulgare*) which are additional quality indicators not found in Field 1 and 3.

Discussions with the landowner indicate that the meadows have no artificial fertilizer or slurry and are not sprayed for weed control (this is done by hand pulling).

The ornithological interest on the site was limited on the day of the survey.

The site has access via a single public footpath and can be viewed from lanes to the north and west.

Ecological Evaluation

Fields 1 and 3 qualify under Gr1 as MG5 grassland and score 7/8 for neutral grassland under Gr3.

Fields 2, 4, 7, 9, 10, 11 and 13 score 4/8 or 5/8 under Gr3 but may be considered for inclusion under Gr1 as MG5. The value of the site may be enhanced by including these fields to make a larger management unit.

They are all currently owned and managed by Mr Whitely of New Laith Farm.

Kirklees Council Environment Unit Comments (28/9/12)

Propose that fields 2,4,7,9,10,11 and 13 are included under Gr1 (MG5) in the interests of creating a more substantial management unit.

In the interests of creating a coherent LWS unit, it would be considered beneficial if all the SI-neutral fields could be included. These should be included due to proximity to the above grasslands (see application of guideline Gr5).

West Yorkshire Local Wildlife Site

Site Name/ Code: Yateholme Reservoirs and Plantations	Location: Holmbridge/Holme, Kirklees
Date of Survey: 16 & 17/06/2015	Surveyor: A. Jukes, West Yorkshire Ecology
Grid Reference: SE114053	Site Area (Ha): 291.5
Natural Area: Dark Peak	Public Access: public footpaths
NVC Communities: W10, W16, MG10, U2, U4, U5, M23, M25, M35, H12, H18	

Site Description

Yateholme Reservoirs and Plantations is a large site containing a mixture of habitats including standing and running water, woodland, heath, acid grassland and mire.

Surrounding land is mainly fields of semi-improved acid grassland with some semi-improved neutral and improved areas, houses and gardens adjacent to the north of the site, and heath and acid grassland to the south. There are a number of public footpaths on the site, although some areas around the reservoirs and to the south of the site are not accessible to the public. Part of Rake Dike Geological SSSI is within the site boundary, including the stream and some of the woodland to the west, and the Dark Peak SSSI borders the site to the south. Digley Reservoir is north west of the site.

Most of the woodland areas are conifer plantations of various ages, some with ground floras similar to W10 and W16 woodland. Crossley's Plantation, to the south east of the site, is an area of conifer plantation with an open canopy and areas of H12 heathland. There is abundant *Pinus* sp., occasional *Quercus petraea* and rarely occurring *Larix* sp. and *Betula* spp. in the canopy, and the ground flora has abundant *Vaccinium myrtillus*, frequent *Calluna vulgaris* and *Hypnum cupressiforme*, occasional *Deschampsia flexuosa* and *Pteridium aquilinum* and rarely occurring *Plagiothecium undulatum*.

Netherley Wood/Gill Hey Bridge is an area of W10/W16 woodland along the north west boundary of the site. The canopy and understorey have frequent *Betula pubescens*, *B. pendula* and *Quercus petraea*, with occasional *Sorbus aucuparia* and *Ilex aquifolium*. The ground flora has locally abundant *Pteridium aquilinum* and frequent *Deschampsia flexuosa*, *Dryopteris dilatata*, *Holcus mollis* and *Hypnum cupressiforme*. Occasional species include *Blechnum spicant*, *Hyacinthoides non-scripta*, *Galium saxatile*, *Molinia caerulea*, *Potentilla erecta*, *Rubus fruticosus* agg. and *Vaccinium myrtillus*. Along Rake Dike there is frequent *Chrysosplenium oppositifolium* and occasional *Allium ursinum*, *Oxalis acetosella*, *Ranunculus ficaria* and *Lamium ssp. montanum*.

The area of woodland mapped as W10 to the north of the site above Brownhill Reservoir has areas with broadleaved and mixed canopy, with frequent *Quercus* spp., *Betula* spp. and *Larix* sp. and occasional *Fraxinus excelsior*, *Acer pseudoplatanus*, *Fagus sylvatica* and *Pinus* sp. The understorey has occasional *Ilex aquifolium*, *Sambucus nigra* and *Crataegus monogyna*. The ground flora has locally abundant *Hedera helix*, frequent *Rubus fruticosus* agg., *Dryopteris dilatata* and *Holcus mollis*.

and occasional species include *Lonicera periclymenum*, *Chrysosplenium oppositifolium* and *Phyllitis scolopendrium*.

There are large areas of heath to the east and south of the site, mostly similar to H12 with frequent to abundant *Calluna vulgaris* and *Vaccinium myrtillus*, locally abundant *Pteridium aquilinum* and occasional *Betula scrub*. The smaller areas of H18 have abundant *Vaccinium myrtillus*, frequent *Deschampsia flexuosa* and occasional species including *Galium saxatile*, *Festuca ovina*, *Molinia caerulea* and *Anthoxanthum odoratum*.

Grassland on the site is mainly semi-improved and unimproved acid grassland. Areas of acid grassland similar to U2 have abundant *Deschampsia flexuosa* with occasional species including *Galium saxatile*, *Luzula* spp., *Holcus mollis*, *Holcus lanatus*, *Juncus effusus*, *Vaccinium myrtillus*, *Potentilla erecta*, *Pteridium aquilinum* and *Rhytidiadelphus squarrosus*. Along path edges there is acid grassland more similar to U4 and U5, with frequent and occasional species including *Anthoxanthum odoratum*, *Deschampsia flexuosa*, *Nardus stricta*, *Festuca ovina*, *Galium saxatile*, *Rumex acetosella* and *Potentilla erecta* and locally abundant *Calluna vulgaris*.

The large area of mire/acid grassland most similar to M25 to west of the site has abundant *Molinia caerulea* and frequent *Juncus effusus*, with occasional species including *Eriophorum angustifolium*, *Polytrichum formosum*, *Deschampsia flexuosa* and *Juncus squarrosus*. Rarely occurring species include *Nardus stricta*, *Sphagnum* spp., *Montia fontana*, *Stellaria uliginosa* and *Polytrichum commune*. Drier, more heavily grazed areas and paths have frequent *Poa annua* and occasional *Trifolium repens* and *Cerastium fontanum*.

There is an area of M23 mire with patches of H18 to the east of the site. This is relatively species rich with abundant *Juncus effusus* and *Lotus pedunculatus*, locally abundant *Vaccinium myrtillus* and *Sphagnum palustre* and frequent *Galium saxatile*, *Cirsium palustre*, *Holcus mollis*, *Carex nigra*, *Viola palustris*, *Stellaria uliginosa* and *Molinia caerulea*. There are also wet areas along edges of paths similar to M23 with species including *Juncus effusus*, *Juncus acutiflorus*, *Glyceria fuitans*, *Callitriche stagnalis*, *Stellaria uliginosa*, *Carex leporina* and *Carex echinata*. Small patches similar to the M35 rill community are also present along path edges, in ditches and by streams, with abundant *Montia fontana* and *Ranunculus omiophyllus*.

Bird species recorded during the survey were Meadow Pipit, Canada Goose, Linnet, Woodpigeon, Cuckoo, Robin, Chaffinch, Grey Wagtail, Curlew, Great Tit, Pheasant, Nuthatch, Blackbird and Lapwing. Rabbit, Common Toad, Common Frog, Small White, Red Admiral and Speckled Wood were also seen.

Ecological Evaluation

One area of W10/W16 woodland, Netherley Wood/Gill Hey Bridge to the west of the site, qualifies on Wd3 for acid woodland species diversity, scoring 10 with the threshold being 8. Although some of the other woodland areas have good examples of W16 ground flora (e.g. Crossley's Plantation and W16 areas to the east and south) they are less species rich with scores of 4 or less for species diversity.

An area of mire to the east of the site, mapped as M23/H18, meets Criteria Fe4 for species rich poor-fen with a score of 12 and an area of 2.02ha with the thresholds being 8 and 0.25ha. A larger area of mire/acid grassland mapped as M25 scores 7 and covers 42ha; this area meets under Criteria Fe6 as it is within 20% of the score threshold of 8 and is within 500m of the area which does qualify. Some

of the acid grassland areas are relatively species-rich but require 12 points to qualify under Gr4 for upland acid grassland species diversity and the highest score is 7.

The site meets Criteria Mh2 for habitat diversity, as it is a large site with a range of different habitat types. Habitats within the proposed site boundary are dry heath (3 points), tall coarse grassland and scattered scrub mosaic (2 points), scrub communities of more than one species (2 points), open water (2 points), heath/acid grassland mosaic (2 points), secondary semi-natural woodland (2 points) and species-poor marsh/fen (1 point), giving a total of 14 points with the threshold being 7. Most of these habitats are included in Kirklees BAP under rivers, upland flushes and fens, upland heathland, upland oakwood, scrub and semi-natural grassland.

Areas of heath/acid grassland mosaic >10ha in size to the east and possibly south of the site may meet Criteria Mo1 for dry heath. The H12 area to the east was not fully surveyed but is likely to meet, as it appeared to have >50% of dwarf shrubs, with two species widely distributed (*Calluna vulgaris* and *Vaccinium myrtillus*). The area to the south appears to be similar to the adjacent SSSI and may also meet the quality guidance, although it appeared to have a larger proportion of acid grassland.

The site supports a number of different bird species including Linnet, Lapwing and Cuckoo (red list) and Curlew, Meadow Pipit and Grey Wagtail (amber list). Breeding bird surveys would need to be carried out to assess the site against the relevant Criteria.