Hargate Hill Wind ¢dzŃōłyŜ Environmental Report Lantanier Ltd

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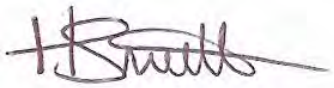
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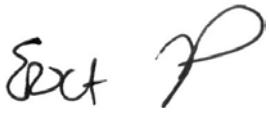
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Appendix 3.1: Landscape Assessment Criteria and Key Terms

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Methodology

Landscape Baseline

Landscape Value

The value of the landscape receptor is identified by considering the following:

- the value of the Landscape Character Types or Areas that may be affected, based on a review of any designations;
- judgements based on criteria that can be used to establish landscape value or consideration such as landscape condition, scenic quality, rarity, representativeness, conservation interests, recreation value, perceptual qualities and important associations, i.e. with people, literature or historic interests;
- individual contributors to landscape character, especially key characteristics. These could be individual features, notable aesthetic, perceptual or experiential qualities, and combinations of these contributors.

Landscape Effects

Significance of Landscape Effect

The GLVIA clearly moves away from a standard approach or 'matrix' used for combining sensitivity and magnitude to make judgments of significance and advocates the use of professional judgment defined in relation to each development and its specific location. The rationale at each stage defining sensitivity to change, magnitude and overall significance must be clear.

Some examples of scale of significance of landscape effects include:

- *Major loss or irreversible negative effects, over an extensive area, on elements and/or aesthetic and perceptual aspects that are key to the character of nationally valued landscapes are likely to be of greatest significance;*
- *Reversible negative effects of short duration, over a restricted area, on elements and/or aesthetic and perceptual aspects that contribute to but are not key characteristics of the character of landscapes of community value are likely to be of less significance and may, depending on the circumstances, be judged as not significant;*
- *Where assessments of significance place landscape effects between these extremes, judgments must be made about whether or not they are significant, with full explanations of why these conclusions have been reached.*

Graphic Techniques

The photographic viewpoints have been taken by Ecus Ltd with a good quality SLR-type digital camera. As is the case with the majority of digital cameras, this camera has a picture coverage that is smaller than a 35 mm format camera. A standard lens attached to this camera will have a telephoto effect that is equivalent to 1.5 times the lens focal length so that

a standard 35 mm lens provides photographs that are equivalent to a 52 mm lens used on a 35 mm format camera. This type of lens has been used for the assessment photography as it provides the closest equivalent to the 50 mm focal length that is commonly recommended in guidance for landscape and visual assessment.

Computer generated wire line drawings and a number of photomontages were created for key viewpoints using these perspective parameters including 3D models of the proposed wind turbine. Matching computer-generated panoramas were constructed using LANDVU program (Envision, Edinburgh). The parameters for these computer generated wire line drawings were based upon the recorded viewpoint and camera details. A perspective match was achieved between the computer-generated panoramas and the photographs by iteratively adjusting the perspective parameters (particularly view cone and azimuth) until all major features in the image were aligned satisfactorily. Where landform was not sufficiently distinct to guarantee a match, additional visible features such as field boundaries or roads were digitized from OS mapping and added to the wires to ensure the computer parameters were overlaying correctly. These panoramas showed the surrounding landform based on a digital terrain model derived from the OS “Landform Profile” 10 m Digital Terrain Model (DTM) data.

The photographs and wire lines shown for each viewpoint illustrate a 90° included angle which represent the average human field of view. The inclusion of a 90° view is important as it allows the proposed scheme to be seen in the context of the surrounding landscape, including familiar features and components of the setting. When reproduced at A3 scale, as is the case in this appraisal, the 90° viewpoint photographs and matched wire lines should be viewed from the viewing distance stated on each visual in order to gain as accurate an impression as possible of the real effect on the views.

The photographs and other graphic material such as photomontages used in this appraisal are for illustrative purposes only and, whilst useful tools in the assessment, are not intended to be completely representative of what will be apparent to the human eye. The assessment is carried out on site rather than from photographs.

Appendix 3.2: Landscape Character

Appendix 3.2 District Landscape Character Area 6-12km from the Site

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
DLCAs with 6 -12 km of the Site			
Barnsley MBC C3 - Upper Dearne Lowland Valley Floor Medium sensitivity	Flat valley floor of varying width and degrees of enclosure, framed by sloping valley sides outside the character area. Diverse range of land use including agriculture, recreation, residential, industry, commercial, communication, landscape renewal and nature conservation. Open water in the form of the sinuous River Dearne and its tributaries, small lakes and a short length of disused canal. Absence of built development except for water treatment works and in small industrial / commercial pockets adjacent to roads. Agricultural land both in arable and pastoral use. Transport and communication routes cross or follow the valley floor including the M1 motorway, major and secondary roads, active railway and pylons. Strips of mature trees and scrub, particularly willow, ash and alder are found adjacent to watercourses and lakes. Old stone walls, bridges and occasional buildings are scattered	Sensitive recreational users	Strongly influenced by surrounding settlements.

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	throughout the character area.		
Barnsley MBC C4 - Dove Lowland Valley Floor Medium sensitivity	Narrow flat valley floor enclosed by valley slopes outside the character area. Open water in the form of the River Dove and tributaries, reservoirs and a short length of disused canal. Absence of built development except in small pockets adjacent to roads. Agricultural land in arable and pastoral use, and under short rotation willow coppice. A recreational long distance trail (sections of the Trans Pennine Trail), run along length of character area following a dismantled railway line. Transport and communication routes frequently cross the valley floor, including the M1 motorway, major and secondary roads and an active railway. Strips of mature trees and scrub, particularly willow, ash and alder, are found along watercourses and dismantled railway lines. Old stone walls, bridges and occasional buildings are scattered throughout the character area.	Sensitive recreational users	Strongly influenced by surrounding settlements.
Barnsley MBC E1- West Barnsley Settled Wooded	Gently rolling landform with hills and broad valleys. Small, medium sized and large woodlands, mainly deciduous and some coniferous.	In tact areas of character Some long views.	Influences of visual urban encroachment

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
Farmland Medium sensitivity	Substantial areas of intact agricultural land, both in arable and pastoral use. Irregularly shaped small, medium sized and large fields bounded by hedgerows, stone walls and fences. Stone farmsteads, often with large modern outbuildings. Villages and hamlets set in open countryside. Large stone country houses set within designed parkland landscapes. Urban encroachment visible to the east, outside the character area.		
Barnsley MBC E2 - Barnsley Settled Wooded Farmland Low sensitivity	Gently rolling landform sloping towards the Rivers Dove and Dearne. Diverse range of land use, including agriculture, recreation, residential, industry, communication and landscape renewal. Dominant presence of urban development. Sense of urbanisation with urban fringe pressures and skyline views of settlements. Isolated pockets of farmland with farmsteads. Fields, predominantly pasture, bounded by fences and poorly managed hedgerows. Traditional mining settlements lie within the character area - Dodworth, Barugh, Barugh Green, Higham and Barnsley.		Urbanising detractors dominant

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Evidence of past and present industrial activity due to presence of reclaimed tips and working warehouse units on settlement edges. Some areas of scrubby, compartmentalised field units adjacent to settlements at the urban interface. Urban Greenspace running into the urban fabric of Barnsley and having a variety of uses, but predominantly recreational.		
Barnsley MBC E4- Hoyland Settled Wooded Farmland Low sensitivity	Rolling landform with slopes towards River Dove watershed and canal associated with Elsecar. Diverse range of land use, including residential, woodland, agriculture, industry, landscape renewal, communication and recreation. Presence of large settlements on broad valley sides up to higher ground strongly influences character of surrounding land. Smaller settlements are found in elevated locations, including Pilley, Birdwell and Blacker Hill. Strong urban influence with urban pressures, such as horse grazing in compartmentalised fields, litter and fly-tipping, tatty allotments and scrap heaps, evident throughout but concentrated on urban fringes. Mainly deciduous woodland blocks of various sizes, including ancient woodland and new plantations on reclaimed tips. Farmland is a mixture of arable and permanent pasture. Degraded and unmanaged field boundaries consist of fences,	Some long views	Influence of urban edge Evidence of industrial scale land use Influence of busy roads

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	hedgerows and stone walls. Scattered farmsteads are found in areas of agricultural land between the settlements. Evidence of current and past industrial activity due to presence of industrial estates, many reclaimed spoil heaps and remains of bell pits at Tankersley Park Recreational land use including Urban Greenspace between Hoyland and Jump, and two golf courses adjacent to major roads. Presence of major road corridors with associated noise and visual intrusion, and vacant land that indicates plans for future development.		
Wakefield DC Limestone Escarpment Medium sensitivity	Fairly low escarpment with rounded, rolling profile Urbanised around Knottingley and Pontefract, but rural in the south east Very fertile, grade 2 agricultural land, intensive arable agriculture Many of hedgerows removed, where hedgerows survive they are low thorn hedges with gaps and few trees Very large fields, some with curved boundaries of Medieval furlongs Woodland generally large and confined to plantations and steep slopes Some significant woodland at Wentbridge, Went Hill, Upton Beacon and Ancient Woodland at Fryston park and Holywell Wood River Aire and Aire & Calder Navigation cutting through escarpment, flat	Some long views to the west	Urban influences

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	valley bottom with washlands, oxbows and reedbeds River Went forming narrow gorge at Wentbridge Prominent outcrops at Upton Beacon and Pontefract Knottingley limestone extensively quarried Well developed green network along limestone ridge Springs and wetlands along River Went at foot of escarpment Extensive views from top of escarpment dominated by power station and A1 Considerable archaeological value		
Wakefield DC Northern Coalfield Low sensitivity	Large urban areas and urban fringe, surrounded by intensively farmed countryside Gently undulating lowland with large open fields Few areas of trees and declining areas of hedgerows Arable agriculture is dominant with very few livestock and horse keeping being the main type of grazing Historic common land of rough grassland and scrub at Heath, Warmfield and Sharlston Large areas of recreational land on the urban fringe incl. playing fields and gold courses		Dominated by Purston Jaglin

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Calder Valley and M1 bisecting area north-south, M62 bisecting area east-west Motorways are dominant features and significant barriers between settlements Some large areas of land in need of restoration from coal mining Some open cast workings restored back to agricultural and recreational uses		
Wakefield DC South West Coalfield Medium sensitivity	Fringe of a zone of transition between Pennine Foothills and lowland river valley Undulating landscape falling away to the east Area cut through with the steep sided and wooded valleys of becks Village settlements on high ridges Retained rural character Few traces of historic coal and iron mining Arable agriculture is predominant land use, with intensive farming techniques Significant amounts of hedges and trees removed Important areas of woodland, including Ancient Woodland	Visitor locations Some long views from the west.	Views to the east limited by low lying landform.

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Dry stone walls of local sandstone, fragmentary and poorly maintained Old parks are important landscape features with important recreational use, good network of recreational paths Significant areas of protected sites for nature conservation Disused Barnsley Canal and major areas of open water		
Wakefield DC Went River Basin High sensitivity	Defined by River Went and tributaries Essentially flat and low lying, rising to the west and south Characterised by parkland landscapes with woodland and meadows Open lakes and wetlands following course of becks, but drained at east Intensively farmed with few areas of trees and hedgerows Large open fields with boundaries removed Moderate coal and clay extraction in the past Rural character retained, no major urban expansion	Some historic settlements and intact character particularly close to the escarpment.	
Doncaster MBC A1- Conisborough and Denaby Coalfield Farmlands	Underlain by coal measures Complex undulating topography cut by many small streams Landform rises up as an escarpment to the limestone plateau immediately to the east	Some long views to the west	Surrounded by large urban areas

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
Medium sensitivity	Arable farmland with some pasture including horse grazing in an irregular patchwork of medium scale fields Thick mixed hedgerows with mature trees on field boundaries No settlements but the large settlement of Conisborough is immediately to the north Scattered red brick farmsteads Trees along streams and dismantled railway and occasional small blocks of woodland No public road access with only farm tracks and public rights of way		
Doncaster MBC A2- Mexborough Coalfield Farmlands Medium sensitivity	Underlain by coal measures Undulating landform raised between the confluence of the Rivers Don and Dearne Arable farmland with some pasture including horse grazing in an irregular patchwork of medium to large scale fields Missing and fragmented mature hedgerows on field boundaries Some views to wooded slopes on limestone scarp to east Small stone-built hamlet with adjacent farmstead Adjacent to mining settlement of Mexborough and areas of recent suburban expansion	Some long views	Long views to urban and industrial areas and spoil heaps

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Long views to urban and industrial areas and spoil heaps in various stages of restoration on the surrounding lower ground of the Dearne Valley outside the LCA Limited tree cover is found on field boundaries and around hamlet Minor roads linking settlements Several public rights of way including along former lanes		
Doncaster MBC B1- Don Coalfield River Corridor Medium sensitivity	Sand and gravel drifts over coal measures. Meandering river with a straighter navigation watercourse in a flat valley floor. Some areas of flood defence embankments and canalisation. Restored spoil heap at eastern end. Mix of irregular shaped arable fields and pasture at the western end. Areas of rough grass, pasture, small carr woodland, immature scrub woodland and a small area of willow biomass. Popular for other recreational activities including fishing, boating and walking. No settlements and few other buildings with the valley floor separating the adjacent settlements of Conisborough and Mexborough outside the LCA.	Strong influences of the river	Adjacent settlements

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Rail corridor along valley floor. Major road crosses valley floor but otherwise no road access.		
Doncaster MBC B2- Dearne Coalfield River Corridor Medium sensitivity	Sand and gravel drifts over coal measures. River Dearne takes a gently curving course along the flat valley floor. Enclosed by the gently sloping valley sides outside the LCA. Flood embankments alongside watercourse. Arable farmland in an irregular patchwork of varied field sizes with missing or fragmented hedges. Nationally important wetland nature site fed by meandering branch off from main river. Restored spoil heap at eastern end. No settlements or other built developments. Limited road access with one busy minor road crossing the valley floor. Popular recreational corridor with the long distance footpath. Lines of trees alongside watercourse	Some long views to the north	Urbanising influence of Mexborough
Doncaster MBC C2 Cadeby to	See above.	Areas of intact and distinctive character	Urbanisation causes less distinct character and with

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
Adwick Limestone Plateau		Historic parks with sensitive views	more detractors to the east.
Doncaster MBC C3 - Carcroft to Norton Limestone Plateau Medium sensitivity	Area of magnesium limestone. Highest area in the north west of the LCA is at a lower elevation than the other Limestone Plateau areas. Gently rolling landform dipping gently to the north, south and east. Arable farming in irregular patchwork of large to small fields with some pasture around settlements. Slightly smaller scale landscape pattern than other Limestone Plateau areas. Many fragmented or lost field boundary hedges but where they remain they often contain mature trees. Stone gateposts are found on field boundaries and stone walls are common near settlements. Farmsteads scattered throughout the area. Compact historic villages constructed in stone with pantile roofs in the east. Larger merged brick built settlements to the south. Some limestone quarrying.	Some long views	Detractors include the A1 and electricity pylons. Quarrying.

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Historic parklands with associated groups of mature trees. Occasional springs, streams and small water bodies. Tree cover scattered throughout the LCA in a small scale organic pattern with some mature hedgerow trees, ancient woodland and many small groups of trees. Network of minor lanes and tracks with some public rights of way. Major well screened transport corridor, the A1, cuts through the area from south to north. The area feels less open and with fewer long distance views than the other Limestone Plateau area due to the lower elevation and enclosure by the scattered tree cover.		
Doncaster MBC D1- Don Limestone River Valley Medium sensitivity	Sand and gravel drifts underlain by limestone. Meandering river on a narrow valley floor. Enclosed by sloping valley sides of varying steepness. Some areas of flood defence embankments, weirs and canalisation. Some water bodies alongside the river. Popular area for recreation with long distance recreational route running along its length. Some small to medium pasture and arable fields.	Recreational locations	Urbanising influences

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Numerous trees alongside the river. Single stone-built farmstead but no settlements. Infrequent traditionally built house or public house. Some urban influences from outside the LCA with views to urban edges and quarrying. Road access limited to a busy minor road crossing the valley floor. Major transport corridors including the A1M motorway crossing on an elevated bridge and a railway running along part of valley floor.		
Doncaster MBC D2 - Hampole Limestone River Valley Low sensitivity	Sand and gravel drifts underlain by limestone. Irregular pattern of small to large scale gently sloping arable fields. Some intact field boundary hedges with some hedgerow trees but other hedges are missing. Meandering and tree-lined streams with some straighter sections enclosed by closely mown grassy flood embankments. Major transport corridors including the A1 and railway line. More rural landscape to the west which is undeveloped with only the small settlement and a few farmsteads. To the east the landscape is also undeveloped and separates two large settlements, but is slightly more diverse with a restored spoil heap.		Detractors include the A1(M)

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Limited access with a single lane and only a few public rights of way. Tree cover is mostly linear following the watercourses and transport corridors. Gently sloping valley sides provide some enclosure but there are views to urban areas and to the Thorpe Marsh cooling towers.		
Doncaster MBC F1- Tollbar Settled Clay Farmlands Medium sensitivity	Mainly flat landform with a large restored spoil heap. Geology of silts and clays underlain by Sherwood sandstone. Large to medium scale arable fields with missing or fragmented hedges. Some smaller fields and pasture around settlements. Network of ditches and drains sometimes forming field boundaries. Rail and watercourse corridors. Compact historic stone-built settlements and associated stone walls. Larger settlements which have merged with Doncaster urban area. Network of busy roads linking farmsteads and settlements. Network of public rights of way and green lanes. Restoration of spoil heap and disused railway to recreational land uses. Limited numbers of trees which are mainly along railway lines and	Historic settlements Open views	Detractors including roads, railways and spoil heaps

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	watercourse and in recreational areas. Views generally very open.		
Rotherham MBC 1- Wentworth Parklands High sensitivity	Gently undulating agricultural landscape of dispersed farmsteads with large deciduous woodland blocks, planted for sporting and amenity purposes Heavily influenced by the Wentworth Estate, including an 18th Century Registered Parkland designed by Humphrey Repton and the architectural influences of John Carr of York (architect). Predominantly large scale arable fields, with the exception of the Deer Park adjacent to Wentworth Woodhouse Many sunken roads with wide verges Larger settlements outside of the Character Area appear as skyline features on the high ground/ridges Church towers form landmarks and are a key element of the scenery Despite an apparent visual absence of mining influence there has been a past mining influence within Wentworth Park. Mining shaped the area and 60-70% has been opencast or underground mined. Remnants of 3 former pitheads have been largely reinstated after open casting Stone buildings with blue slate roofs Wentworth village, which predates the Victorian era, but limited other settlement within the Character Area	Historic estates Landmark church towers	Woodlands limit views Electricity pylons are detractors in the eastern part.

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
Rotherham MBC 2 - Dearne Valley Floor High sensitivity	A largely reclaimed landscape associated with the former Manvers Main Colliery and its spoil heap A number of large water bodies Young woodland Recreation based – part of the Character Area is a golf course and part an area of parkland Relatively flat landform in much of the Character Area, with mounding associated with the former spoil heap Heavily influenced by built development to the south, including very large distribution warehouses within the former Manvers Enterprise Zone The Trans Pennine Trail walking, cycling and horse riding route runs through the Character Area	Recreational access	Neighbouring industrial influences
Rotherham MBC 3 - Wath and Swinton Farmlands Low sensitivity	The Character Area is predominantly arable farmland, particularly within the area enclosed by Swinton and Wath Upon Dearne Allotments, grassland and other open space are secondary land uses, often with informal public access. Some allotment areas are no longer in use. Heavily influenced by urban areas, particularly large scale warehouses and residential developments, and transport corridors Hedgerows within the Character Area are generally poor quality		Heavily influenced by urban areas Weak character

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	Gently sloping bowl shaped landform with views over the top of it Remains as undeveloped land between Wath and Swinton, physically and visually contained from the open countryside		
North Yorkshire County Council 6- Magnesian Limestone Ridge Medium sensitivity	A low ridge of gently rolling landform which is covered by a pattern of fertile farmland and well wooded estates; Landform is intersected by a series of relatively intricate dry valleys; Wooded limestone gorges, caves and crags are key landscape features; The prominent transport corridor of the A1(M) which runs through the southern section of this Landscape Character Type; Large-scale arable fields dominate the landscape, facilitating long distance views, extending as far as Kilburn White Horse on the edge of the North York Moors National Park; Intimate scale and grain of the landscape derived from complex topography and land use patterns; Several historic country houses and associated designed landscapes,		Detractor includes A1(M)

DLCA	Key Characteristics	Potentially sensitive characteristics	Potentially robust characteristics
	often containing mature veteran trees; Limestone quarries are a relatively common landscape feature; Use of limestone as a building material which creates a unified character.		

Appendix 4.1: Gazetteer of Designated and Known Non-designated Heritage Assets

HA	Period	Desig	Name	Refs	Dist	X	Y
1	n/a	SM	Hallsteads moated site, Grimethorpe	NHLE: 1012457	1.97	442089	409335
2	n/a	II* LB	Church of St Michael and All Saints and adjoining stone wall to west side of churchyard	NHLE: 1151170	1.19	443041	406536
3	n/a	II LB	Burnt Wood Hall	NHLE: 1191579	1.66	442863	409248
4	n/a	II LB	Hallbridge farmhouse	NHLE: 1151648	1.98	445371	407798
5	n/a	II LB	Manor Farmhouse	NHLE: 1151649	2.08	445484	407800
6	n/a	II LB	War Memorial	NHLE: 1393133	2.11	445515	407738
7	n/a	CA	Clayton	n/a	1.57	445331	407840
8	n/a	SM	Prehistoric enclosed settlement known as South Kirkby Camp	NHLE: 1018818	2.68	443506	410461
9	n/a	SM	Cross in the churchyard of All Saints' Church, Darfield	NHLE: 1012929	3.71	441872	404285
10	n/a	SM	Frickley Old Hall moated site	NHLE: 1017606	3.83	447153	408544
11	n/a	SM	Cross in the churchyard of All Saints' Church	NHLE: 1012936	5.13	448532	407940
12	n/a	SM	Market cross	NHLE: 1012937	5.16	448550	408102
13	n/a	SM	Medieval standing cross and early 20th century memorial cross	NHLE: 1012155	5.49	448364	405314
14	n/a	SM	Heavy Anti-aircraft gunsite 330m south east of Lowfield Farm	NHLE: 1019872	5.98	446336	402391
15	n/a	I LB	Church of All Saints	NHLE: 1315015	3.69	441880	404306
16	n/a	I LB	Church of All Saints	NHLE: 1227519	3.89	445297	411072
17	n/a	I LB	Church of All Saints	NHLE: 1314808	5.14	448542	407951
18	n/a	I LB	Church of St Wilfrid	NHLE: 1314784	5.44	448300	405301
19	n/a	I LB	Church of St Andrew	NHLE: 1191492	5.6	445585	402526
20	n/a	II* LB	Grimethorpe Hall	NHLE: 1151202	3.07	441036	409639
21	n/a	II* LB	Church of All Saints	NHLE: 1151647	3.46	446849	407882
22	n/a	II* LB	Hooton Pagnell Hall including Archway flat numbers 1 and 2 Hall Cottages, Ground Floor Flat, First Floor Flat and Pump End	NHLE: 1192355	5.17	448569	407874
23	n/a	II* LB	Stable To Hickleton Hall Including The Stable Cottage And Attached Walls And Gatepiers	NHLE: 1151659	5.39	448208	405244
24	n/a	II* LB	The Brewhouse	NHLE: 1286781	5.4	448203	405212
25	n/a	II* LB	Hickleton Hall and associated walls	NHLE: 1286810	5.44	448226	405155

26	n/a	II RPG	Hickleton Hall	NHLE: 1001151	5.13	448191	404759
27	n/a	CA	Billingley	n/a	2.63	443844	404865
28	n/a	CA	Dafield	n/a	3.54	441828	404297
29	n/a	CA	Brierley	n/a	3.72	441140	411051
30	n/a	CA	Hooton Pagnell	n/a	4.79	448576	408144
31	n/a	CA	Hickleton	n/a	4.97	448103	405288
32	Early Iron Age to Roman	ND	Iron age or Romano-Bristish Enclosure and/or Field Boundaries, near Brierley	SYSMR: 02329/01	0	443000	409600
33	Early Iron Age to Roman	ND	Cropmarks of a c.600 m ditched lane to east of Burnt Wood Hall, and more recent ploughed out boundary.	WYHER: 6338	0	443315	409036
34	Early Iron Age to Roman	ND	Iron Age or Romano-British Enclosure and Field Boundaries, near Brierley	SYSMR: 02328/01	0	443500	408800
35	Early Iron Age to Roman	ND	Iron Age or Romano-British Enclosure east of Howell Wood, Clayton with Frickley	SYSMR: 01228/01	0	444050	408750
36	Early Iron Age to Roman	ND	Linear cropmarks of field system or land divisions	WYHER: 6716	0	443651	408393
37	Early Iron Age to Roman	ND	Iron Age or Romano-British Field System, West of Howell House, Clayton	SYSMR: 04023/01	0	444000	408300
38	Early Iron Age to Roman	ND	Possible Iron Age or Roman Enclosures, near Great Houghton	SYSMR: 01227/01	0	443000	408100
39	Early Iron Age to Roman	ND	Unidentified Cropmark at Hargate Hill, Great Houghton	SYSMR: 01227/02	0	443300	408100
40	Early Iron Age to Roman	ND	Iron Age or Romano-British Circular Enclosure, Great Houghton	SYSMR: 02815/01	0	443000	408100
41	Early Iron Age to Roman	ND	Field System and Possible Enclosures, Hickleton	SYSMR: 04034/01	0	444064	408020
42	Early Iron Age to Roman	ND	Cropmarks of part of a probable small sub-circular enclosure with a ditched trackway	WYHER: 6716	0	443952	407892
43	Early Iron Age to Roman	ND	Iron Age to Romano-British Enclosure and Field System, Great Houghton	SYSMR: 02347/01	0	444200	407600
44	Early Iron Age to Roman	ND	Iron Age or Romano-British Enclosure and Field Boundaries, Great Houghton	SYSMR: 04026/01	0	442300	407600
45	Early Iron Age to Roman	ND	Iron Age or Romano-British Enclosure and Field System, Great Houghton	SYSMR: 02348/01	0	444200	407200

46	Early Iron Age to Roman	ND	Possible Iron Age or Romano-British Field System, Great Houghton	SYSMR: 04024/01	0	444100	406900
47	Early Iron Age to Roman	ND	Iron Age or Romano-British Enclosure and Lane, Little Houghton	SYSMR: 03034/01	0	442330	406590
48	Early Iron Age to Roman	ND	?Iron Age or Romano-British Cropmark, Great Houghton	SYSMR: 02499/01	0	443100	406200
49	Early Iron Age to Roman	ND	Iron Age or Romano-British Cropmark, Great Houghton	SYSMR: 02503/01	0	443900	405800
50	Early Iron Age to Roman	ND	Possible Iron Age or Romano-British Rectangular Enclosure, Great Houghton	SYSMR: 03035/01	0	443810	405780
51	Early Iron Age to Roman	ND	Iron Age to Romano-British Period Field System, Great Houghton	SYSMR: 00080/01	0	443600	405700
52	Unknown	ND	Enclosure near Burntwood Hall, Great Houghton	SYSMR: 03807/01	0	443000	409100
53	Unknown	ND	Undated Curvilinear Enclosure, Clayton with Frickley	SYSMR: 03808/01	0	444400	408900
54	Unknown	ND	Vague and amorphous cropmarks which may be partly indicative of archaeological features of curvilinear form.	WYHER: 6715	0	444191	407543
57	Early-medieval	ND	Anglo-Saxon Brooch, found in fields east of Great Houghton	SYSMR: 02624/01	0	444250	406550
55	Medieval	ND	Possible Medieval Enclosure, Great Houghton	SYSMR: 02077/01	0	442590	408799
56	Medieval	ND	Howell House, near Clayton	SYSMR: 01486/01	0	444300	408300
58	Medieval	ND	Medieval Barn at Howell House, near Clayton	SYSMR: 01487/01	0	444300	408300
59	Post-medieval	ND	The Hall, Great Houghton	SYSMR: 00352/01	0	443060	406520
60	Post-medieval	ND	St Michael and All Angels, Great Houghton	SYSMR: 03542/02	0	443030	406530
61	Post-medieval	ND	Rodes Family Chapel (now St Michael and All Angels Church), Great Houghton	SYSMR: 03542/01	0	443030	406530

Appendix 4.2: Gazetteer of Aerial Photographs Consulted at English Heritage Achives

ENGLISH HERITAGE ARCHIVE
Air Photographs

Customer oblique listing - Obliques, Standard Order
Customer enquiry reference number: 79786

Photo reference	Film and frame number		Original	Date	Film type		Map	What can you order?			
								Photocopy	Laser copy	Photographic copy	Digital copy
SE 4208 / 1	JAP 1437	/ 20	SEE PRINTS	09 JUL 1976	B&W copy clr	35 mm	SE 428082	Y	N	Y	Y
SE 4307 / 1	JAP 1437	/ 21	SEE PRINTS	09 JUL 1976	B&W copy clr	35 mm	SE 434077	Y	N	Y	Y
SE 4308 / 1	JAP 1437	/ 440-20	SEE PRINTS	09 JUL 1976	B&W copy clr	35 mm	SE 430080	Y	N	Y	Y
SE 4308 / 2	JAP 1437	/ 22	SEE PRINTS	09 JUL 1976	B&W copy clr	35 mm	SE 430080	Y	N	Y	Y
SE 4308 / 4	DNR 982	/ 17		10 JUL 1976	Black& white	70mm,120,220	SE 430081	Y	N	Y	Y
SE 4308 / 7	DNR 1603	/ 16A		30 JUL 1981	Black& white	35 mm	SE 433082	Y	N	Y	Y
SE 4308 / 8	DNR 1603	/ 17A		30 JUL 1981	Black& white	35 mm	SE 433082	Y	N	Y	Y
SE 4308 / 11	DNR 2430	/ 27		05 AUG 1991	Black& white	35 mm	SE 439083	Y	N	Y	Y
SE 4308 / 12	DNR 2430	/ 28		05 AUG 1991	Black& white	35 mm	SE 439082	Y	N	Y	Y
SE 4308 / 17	NMR 28049	/ 01		30 JUN 2010	Digital colour	35 mm	SE 436083	Y	N	Y	Y
SE 4308 / 18	NMR 28049	/ 02		30 JUN 2010	Digital colour	35 mm	SE 436083	Y	N	Y	Y
SE 4308 / 19	NMR 28049	/ 03		30 JUN 2010	Digital colour	35 mm	SE 436082	Y	N	Y	Y
SE 4308 / 20	NMR 28049	/ 04		30 JUN 2010	Digital colour	35 mm	SE 437081	Y	N	Y	Y
SE 4308 / 21	NMR 28049	/ 05		30 JUN 2010	Digital colour	35 mm	SE 437081	Y	N	Y	Y
SE 4308 / 22	NMR 28049	/ 06		30 JUN 2010	Digital colour	35 mm	SE 437081	Y	N	Y	Y
SE 4406 / 1	DNR 2430	/ 29		05 AUG 1991	Black& white	35 mm	SE 440069	Y	N	Y	Y
SE 4406 / 5	NMR 17716	/ 27		18 JUL 2002	Colour neg	35 mm	SE 441069	Y	N	Y	Y
SE 4406 / 6	NMR 17716	/ 28		18 JUL 2002	Colour neg	35 mm	SE 441069	Y	N	Y	Y
SE 4407 / 1	JAP 1437	/ 19	SEE PRINTS	09 JUL 1976	B&W copy clr	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 2	NMR 4921	/ 21/22		28 MAR 1990	Black& white	70mm,120,220	SE 442072	Y	N	Y	Y
SE 4407 / 3	NMR 4921	/ 23		28 MAR 1990	Black& white	70mm,120,220	SE 442072	Y	N	Y	Y
SE 4407 / 4	DNR 2427	/ 07		20 JUL 1990	Black& white	35 mm	SE 440079	Y	N	Y	Y
SE 4407 / 5	DNR 2427	/ 08		20 JUL 1990	Black& white	35 mm	SE 440079	Y	N	Y	Y
SE 4407 / 6	DNR 2427	/ 09		20 JUL 1990	Black& white	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 7	DNR 2427	/ 10		20 JUL 1990	Black& white	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 9	DNR 2427	/ 12		20 JUL 1990	Black& white	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 10	DNR 1550	/ 08		23 JUL 1979	Black& white	35 mm	SE 442076	Y	N	Y	Y

ENGLISH HERITAGE ARCHIVE
Air Photographs

SE 4407 / 11	DNR 1550	/ 09		23 JUL 1979	Black& white	35 mm	SE 442073	Y	N	Y	Y
SE 4407 / 12	DNR 1550	/ 10		23 JUL 1979	Black& white	35 mm	SE 442076	Y	N	Y	Y
SE 4407 / 13	DNR 1550	/ 11		23 JUL 1979	Black& white	35 mm	SE 442073	Y	N	Y	Y
SE 4407 / 14	DNR 1550	/ 12		23 JUL 1979	Black& white	35 mm	SE 442073	Y	N	Y	Y
SE 4407 / 15	DNR 1561	/ 13		29 JUL 1979	Black& white	35 mm	SE 443076	Y	N	Y	Y
SE 4407 / 16	DNR 1561	/ 14		29 JUL 1979	Black& white	35 mm	SE 443073	Y	N	Y	Y
SE 4407 / 17	NMR 4962	/ 28		19 JUN 1990	Colour slide	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 18	NMR 4962	/ 29		19 JUN 1990	Colour slide	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 19	NMR 4381	/ 14		19 JUN 1990	Black& white	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 20	NMR 4381	/ 16		19 JUN 1990	Black& white	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 21	DNR 2430	/ 25		05 AUG 1991	Black& white	35 mm	SE 440078	Y	N	Y	Y
SE 4407 / 22	DNR 2430	/ 26		05 AUG 1991	Black& white	35 mm	SE 441076	Y	N	Y	Y
SE 4407 / 23	NMR 4376	/ 14		28 MAR 1990	Black& white	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 24	NMR 4376	/ 15		28 MAR 1990	Black& white	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 25	NMR 4376	/ 16		28 MAR 1990	Black& white	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 26	NMR 4376	/ 17		28 MAR 1990	Black& white	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 27	NMR 4376	/ 18		28 MAR 1990	Black& white	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 28	NMR 4376	/ 19		28 MAR 1990	Black& white	35 mm	SE 441073	Y	N	Y	Y
SE 4407 / 29	DNR 1570	/ 25		08 AUG 1979	Black& white	35 mm	SE 442072	Y	N	Y	Y
SE 4407 / 30	NMR 17731	/ 40		18 JUL 2002	Black& white	70mm,120,220	SE 442070	Y	N	Y	Y
SE 4407 / 31	NMR 28049	/ 11		30 JUN 2010	Digital colour	35 mm	SE 440078	Y	N	Y	Y
SE 4407 / 32	NMR 28049	/ 12		30 JUN 2010	Digital colour	35 mm	SE 440078	Y	N	Y	Y
SE 4407 / 33	NMR 28049	/ 13		30 JUN 2010	Digital colour	35 mm	SE 440078	Y	N	Y	Y
SE 4407 / 34	NMR 28049	/ 14		30 JUN 2010	Digital colour	35 mm	SE 440078	Y	N	Y	Y
SE 4408 / 10	DNR 2430	/ 23		05 AUG 1991	Black& white	35 mm	SE 441080	Y	N	Y	Y
SE 4408 / 11	DNR 2430	/ 24		05 AUG 1991	Black& white	35 mm	SE 440080	Y	N	Y	Y

Total 53 records

ENGLISH HERITAGE ARCHIVE
Air Photographs

Full single listing - Verticals, Standard order
Customer enquiry reference: 79786

Sortie number	Library number	Camera position	Frame number	Held	Centre point	Run	Date	Sortie quality	Scale 1:	Focal length (in inches)	Film details (in inches)	Film held
RAF/CPE/UK/1879	519	RP	3123	P	SE 439 076	7	06 DEC 1946	AB	10000	20	Black and White 8.25 x 7.5	MOD
RAF/CPE/UK/1879	519	RP	3124	P	SE 433 075	7	06 DEC 1946	AB	10000	20	Black and White 8.25 x 7.5	MOD
RAF/CPE/UK/1879	519	RP	3125	P	SE 427 074	7	06 DEC 1946	AB	10000	20	Black and White 8.25 x 7.5	MOD
RAF/541/170	940	RP	3088	P	SE 432 082	2	21 SEP 1948	A	9960	20	Black and White 8.25 x 7.5	NMR
RAF/541/170	940	RP	3089	P	SE 441 081	2	21 SEP 1948	A	9960	20	Black and White 8.25 x 7.5	NMR
RAF/540/505	1164	RS	4019	P	SE 426 082	4	18 MAY 1951	AB	10000	20	Black and White 8.25 x 7.5	NMR
RAF/540/505	1164	RS	4020	P	SE 431 082	4	18 MAY 1951	AB	10000	20	Black and White 8.25 x 7.5	NMR
RAF/543/9	1785	F22	94	P	SE 441 077	24	19 JUN 1957	A	10500	36	Black and White 8.25 x 7.5	MOD
RAF/543/9	1785	F22	95	P	SE 432 078	24	19 JUN 1957	A	10500	36	Black and White 8.25 x 7.5	MOD
RAF/543/1676	2053	F22	21	N	SE 430 078	5	02 MAR 1962	AC	11000	20	Black and White 8.25 x 7.5	NMR
MAL/67054	4776	V	220	P	SE 421 077	4	13 JUN 1967	A	10500	6	Black and White 9 x 9	NMR
MAL/67055	4777	V	51	P	SE 437 069	2	13 JUN 1967	A	10500	6	Black and White 9 x 9	NMR
MAL/67055	4777	V	52	P	SE 437 079	2	13 JUN 1967	A	10500	6	Black and White 9 x 9	NMR
MAL/67055	4777	V	53	P	SE 437 089	2	13 JUN 1967	A	10500	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	36	P	SE 441 080	1	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	37	P	SE 441 076	1	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	38	P	SE 441 072	1	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	75	P	SE 432 069	2	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	76	P	SE 432 074	2	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	77	P	SE 432 078	2	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/71183	6030	V	78	P	SE 432 082	2	24 NOV 1971	A	5000	6	Black and White 9 x 9	NMR
MAL/72100	6113	V	174	P	SE 440 084	2	14 OCT 1972	A	10000	6	Black and White 9 x 9	NMR
MAL/73029	7017	V	209	P	SE 435 081	1	15 JUN 1973	A	10000	6	Black and White 9 x 9	NMR

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MAL/73029	7017	V	210	P	SE 431 073	1	15 JUN 1973	A	10000	6	Black and White 9 x 9	NMR
MAL/74033	7153	V	262	P	SE 430 073	1	14 JUN 1974	A	10000	6	Black and White 9 x 9	NMR
MAL/74033	7153	V	263	N	SE 434 081	1	14 JUN 1974	A	10000	6	Black and White 9 x 9	NMR
MAL/74062	7164	V	99	P	SE 443 080	13	29 NOV 1974	A	10000	6	Black and White 9 x 9	NMR
MAL/75049	7240	V	170	P	SE 436 084	8	28 JUL 1975	A	10000	6	Black and White 9 x 9	NMR
MAL/75049	7240	V	171	P	SE 432 076	8	28 JUL 1975	A	10000	6	Black and White 9 x 9	NMR
MAL/75049	7240	V	172	P	SE 429 068	8	28 JUL 1975	A	10000	6	Black and White 9 x 9	NMR
MAL/76068	7404	V	138	P	SE 435 072	9	10 AUG 1976	A	10000	6	Black and White 9 x 9	NMR
MAL/76068	7404	V	139	N	SE 428 066	9	10 AUG 1976	A	10000	6	Black and White 9 x 9	NMR
MAL/76068	7404	V	152	N	SE 425 070	10	10 AUG 1976	A	10000	6	Black and White 9 x 9	NMR
MAL/76068	7404	V	153	P	SE 434 067	10	10 AUG 1976	A	10000	6	Black and White 9 x 9	NMR
MAL/77026	7465	V	49	P	SE 431 070	3	10 AUG 1977	A	9500	6	Black and White 9 x 9	NMR
MAL/77026	7465	V	124	P	SE 424 068	13	10 AUG 1977	A	9500	6	Black and White 9 x 9	NMR
MAL/78026	7535	V	8	P	SE 424 060	2	17 AUG 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/78026	7535	V	9	N	SE 423 068	2	17 AUG 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/78026	7535	V	10	P	SE 423 075	2	17 AUG 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/78029	7536	V	115	P	SE 434 066	5	12 SEP 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/78029	7536	V	116	P	SE 427 069	5	12 SEP 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/78029	7536	V	135	P	SE 426 070	7	12 SEP 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/78029	7536	V	136	P	SE 434 066	7	12 SEP 1978	A	10000	6	Black and White 9 x 9	NMR
MAL/79029	7584	V	47	N	SE 428 077	1	27 JUL 1979	A	5000	6	Black and White 9 x 9	NMR
MAL/79029	7584	V	48	P	SE 433 076	1	27 JUL 1979	A	5000	6	Black and White 9 x 9	NMR
MAL/79029	7584	V	49	N	SE 438 076	1	27 JUL 1979	A	5000	6	Black and White 9 x 9	NMR
MAL/79029	7584	V	64	P	SE 435 069	2	27 JUL 1979	A	5000	6	Black and White 9 x 9	NMR
MAL/79029	7584	V	65	N	SE 430 069	2	27 JUL 1979	A	5000	6	Black and White 9 x 9	NMR
MAL/82030	7777	V	121	P	SE 432 074	5	28 AUG 1982	A	10000	6	Black and White 9 x 9	NMR
MAL/82030	7777	V	122	N	SE 441 074	5	28 AUG 1982	A	10000	6	Black and White 9 x 9	NMR
MAL/83021	7819	V	47	P	SE 440 085	1	14 AUG 1983	A	10000	6	Black and White 9 x 9	NMR
MAL/73022	7973	V	8	P	SE 428 073	1	15 MAY 1973	A	10000	6	Black and White 9 x 9	NMR
MAL/73022	7973	V	9	P	SE 432 082	1	15 MAY 1973	A	10000	6	Black and White 9 x 9	NMR
OS/84198	10693	V	43	P	SE 431 076	3	01 AUG 1984	A	8200	12	Black and White 9 x 9	NMR

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OS/84198	10693	V	44	P	SE 432 083	3	01 AUG 1984	A	8200	12	Black and White 9 x 9	NMR
OS/69286	11546	V	130	P	SE 428 071	9	15 JUN 1969	A	7000	12	Black and White 9 x 9	NMR
OS/97529	15274	V	102	N	SE 437 068	4	30 APR 1997	A	7900	12	Black and White 9 x 9	NMR
OS/97529	15274	V	103	N	SE 430 068	4	30 APR 1997	A	7900	12	Black and White 9 x 9	NMR
OS/97529	15274	V	162	N	SE 437 081	6	30 APR 1997	A	7900	12	Black and White 9 x 9	NMR
OS/97529	15274	V	163	N	SE 430 081	6	30 APR 1997	A	7900	12	Black and White 9 x 9	NMR
RAF/82/1353	15396	F21	26	P	SE 437 070	2	02 JAN 1956	AB	10000	20	Black and White	NMR
RAF/82/1353	15396	F21	27	P	SE 437 078	2	02 JAN 1956	AB	10000	20	Black and White	NMR
RAF/82/1353	15396	F21	57	P	SE 425 072	4	02 JAN 1956	AB	10000	20	Black and White	NMR
RAF/82/1353	15396	F21	58	P	SE 425 080	4	02 JAN 1956	AB	10000	20	Black and White	NMR
RAF/82/1353	15396	F22	57	P	SE 441 073	4	02 JAN 1956	AB	10000	20	Black and White	NMR
RAF/82/1353	15396	F22	58	P	SE 440 081	4	02 JAN 1956	AB	10000	20	Black and White	NMR
OS/59030	20399	V	43	P	SE 438 072	3	15 MAY 1959	A	4000	12	Black and White 9 x 9	NMR
OS/59030	20399	V	44	P	SE 436 075	3	15 MAY 1959	A	4000	12	Black and White 9 x 9	NMR
ADA/183	26274	V	179	N	SE 434 088	5	20 JAN 1984	A	10000	6	Black and White 9 x 9	NMR
ADA/183	26274	V	208	N	SE 425 073	6	20 JAN 1984	A	10000	6	Black and White 9 x 9	NMR
ADA/183	26274	V	209	N	SE 433 073	6	20 JAN 1984	A	10000	6	Black and White 9 x 9	NMR
ADA/183	26274	V	210	N	SE 442 073	6	20 JAN 1984	A	10000	6	Black and White 9 x 9	NMR
									Total sorties			27
									Total images			72

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Appendix 5.1: Biological Data

ecus
ENVIRONMENTAL CONSULTANTS

Appendix 5.1 Biological Data Consultation
Barnsley Biological Record Centre

Grid Ref	Location	Location Name	Date	Group	Scientific Name	Common Name	Comments	BAP Species	Wildlife and	Red and Amber
SE415070	Houghton pond 1		01/01/2010	amphibian	Bufo bufo	Common Toad		1	1	0
SE409079	Grimesthorpe pond 6		01/01/2010	amphibian	Bufo bufo	Common Toad		1	1	0
SE410075	Edderthorpe Ings	old railway track	13/04/2012	amphibian	Bufo bufo	Common Toad		1	1	0
SE410075	Edderthorpe Ings	old railway track	13/04/2012	reptile	Lacerta vivipara	Viviparous Lizard		1	1	0
SE41480636	'BARNSLEY MBC'	River Dearne	18/06/2002	terrestrial mammal	Arvicola terrestris	Water Vole	latrine	1	1	0
SE41420651	'BARNSLEY MBC'	River Dearne	20/06/2002	terrestrial mammal	Arvicola terrestris	Water Vole	latrine + feeding	1	1	0
SE4190607605	'BARNSLEY MBC'	Barnsley	27/06/2012	terrestrial mammal	Arvicola terrestris	Water Vole	Burrow	1	1	0
SE4190507587	'BARNSLEY MBC'	Barnsley	27/06/2012	terrestrial mammal	Arvicola terrestris	Water Vole	Burrow	1	1	0
SE4142006510	River Dearne in SE40	River Dearne ;	01/01/2002	terrestrial mammal	Arvicola terrestris	Water Vole	latrine + feeding	1	1	0
SE4148006360	River Dearne in SE40	River Dearne ;	01/01/2002	terrestrial mammal	Arvicola terrestris	Water Vole	latrine	1	1	0
SE414065	'BARNSLEY MBC'	River Dearne	01/01/2002	terrestrial mammal	Arvicola terrestris	Water Vole	Latrines, tunnels and	1	1	0
SE414063	River Dearne in SE40		18/06/2002	terrestrial mammal	Arvicola terrestris	Water Vole	latrine	1	1	0
SE414065	River Dearne in SE40		20/06/2002	terrestrial mammal	Arvicola terrestris	Water Vole	latrine + feeding	1	1	0
SE4208	West Haigh Wood LWS	West Haigh Wood	20/08/1994	terrestrial mammal	Nyctalus noctula	Noctule		1	1	0
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Anas acuta	Pintail		0	1	1

SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Anas acuta	Pintail		0	1	1
SE4107	Edderthorpe Ings, between		07/05/2011	bird	Anas querquedula	Garganey	4 Count	0	1	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Anas querquedula	Garganey	1 Count	0	1	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Anser anser	Greylag Goose		0	1	1
SE4107	Edderthorpe Ings	Edderthorpe	04/01/2009	bird	Anser anser	Greylag Goose		0	1	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Anser anser	Greylag Goose		0	1	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Anser anser	Greylag Goose		0	1	1
SE4507	Clayton		23/07/2011	bird	Coturnix coturnix	Quail	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		25/05/2011	bird	Coturnix coturnix	Quail	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		30/05/2011	bird	Coturnix coturnix	Quail	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		30/05/2011	bird	Coturnix coturnix	Quail	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		03/06/2011	bird	Coturnix coturnix	Quail	2 Count	0	1	1
SE4106	Edderthorpe Ings, between		01/02/2003	bird	Cygnus cygnus	Whooper Swan	small herd, occasionally	0	1	1
SE415068	Edderthorpe Ings, between		21/10/1991	bird	Cygnus cygnus	Whooper Swan		0	1	1
SE4107	Edderthorpe Ings	Edderthorpe	31/10/2010	bird	Cygnus cygnus	Whooper Swan		0	1	1
SE4107	Edderthorpe Ings, between		16/09/2011	bird	Limosa limosa	Black-Tailed Godwit	5 Count	0	1	1

SE4106	Edderthorpe Ings, between		13/05/1990	bird	Numenius phaeopus	Whimbrel		0	1	1
SE4107	Edderthorpe Ings, between		01/05/2011	bird	Numenius phaeopus	Whimbrel	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		01/05/2011	bird	Numenius phaeopus	Whimbrel	2 Count	0	1	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Philomachus pugnax	Ruff		0	1	1
SE4107	Edderthorpe Ings, between		03/05/2011	bird	Philomachus pugnax	Ruff	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		28/06/2011	bird	Philomachus pugnax	Ruff	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		29/06/2011	bird	Philomachus pugnax	Ruff	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		31/08/2011	bird	Philomachus pugnax	Ruff	6 Count	0	1	1
SE4107	Edderthorpe Ings, between		02/09/2011	bird	Philomachus pugnax	Ruff	9 Count	0	1	1
SE4107	Edderthorpe Ings, between		03/09/2011	bird	Philomachus pugnax	Ruff	4 Count	0	1	1
SE4107	Edderthorpe Ings, between		12/09/2011	bird	Philomachus pugnax	Ruff	10 Count	0	1	1
SE4107	Edderthorpe Ings, between	Edderthorpe Flash (SE40 D)	19/08/2009	bird	Platalea leucorodia	Spoonbill	Between: 11:00-12:40.	0	1	1
SE4107	Edderthorpe Ings	Edderthorpe	21/08/2011	bird	Tringa glareola	Wood Sandpiper		0	1	1
SE4107	Edderthorpe Ings, between		05/05/2011	bird	Tringa glareola	Wood Sandpiper	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		05/05/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		06/05/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1

SE4107	Edderthorpe Ings, between		07/05/2011	bird	Tringa glareola	Wood Sandpiper	4 Count	0	1	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Tringa glareola	Wood Sandpiper	3 Count	0	1	1
SE4107	Edderthorpe Ings, between		16/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		14/05/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		15/05/2011	bird	Tringa glareola	Wood Sandpiper	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		01/06/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		19/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		21/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Tringa glareola	Wood Sandpiper	3 Count	0	1	1
SE4107	Edderthorpe Ings, between		12/05/2011	bird	Tringa glareola	Wood Sandpiper	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		07/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		08/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		13/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings, between		14/08/2011	bird	Tringa glareola	Wood Sandpiper	1 Count	0	1	1
SE4107	Edderthorpe Ings	Edderthorpe	29/05/2011	bird	Tringa nebularia	Greenshank		0	1	1
SE4107	Edderthorpe Ings	Edderthorpe	21/08/2011	bird	Tringa nebularia	Greenshank		0	1	1

SE4107	Edderthorpe Ings, between		19/08/2011	bird	Tringa nebularia	Greenshank	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		03/09/2011	bird	Tringa nebularia	Greenshank	2 Count	0	1	1
SE415068	Edderthorpe Ings, between		22/10/1990	bird	Tringa ochropus	Green Sandpiper		0	1	1
SE4107	Edderthorpe Ings, between		14/08/2011	bird	Tringa ochropus	Green Sandpiper	2 Count	0	1	1
SE4107	Edderthorpe Ings, between		19/08/2011	bird	Tringa ochropus	Green Sandpiper	6 Count	0	1	1
SE413065	Little Houghton Ings	Houghton washlands	10/03/2013	bird	Tringa ochropus	Green Sandpiper		0	1	1
SE4507	Clayton	Clayton Fields West	03/03/2009	bird	Turdus iliacus	Redwing	Between: 08:30-09:40.	0	1	1
SE4507	Clayton	Clayton Fields West	15/10/2009	bird	Turdus iliacus	Redwing	Between: 09:00-10:00.	0	1	1
SE4507	Clayton	Clayton Fields West	21/03/2009	bird	Turdus pilaris	Fieldfare	Between: 08:30-09:30.	0	1	1
SE4507	Clayton	Clayton Fields West	23/02/2009	bird	Turdus pilaris	Fieldfare	Between: 08:00-08:00.	0	1	1
SE4507	Clayton	Clayton Fields West	25/02/2009	bird	Turdus pilaris	Fieldfare	Between: 09:00-10:00.	0	1	1
SE4507	Clayton	Clayton Fields West	02/09/2009	bird	Tyto alba	Barn Owl	Between: 07:00-08:19.	0	1	1
SE4507	Clayton	Clayton Fields West	07/02/2009	bird	Tyto alba	Barn Owl	Between: 08:30-09:30.	0	1	1
SE4507	Clayton	Clayton Fields West	17/03/2009	bird	Tyto alba	Barn Owl	Between: 09:00-10:10.	0	1	1
SE4507	Clayton	Clayton Fields West	12/03/2009	bird	Tyto alba	Barn Owl	Between: 09:00-10:00.	0	1	1
SE4507	Clayton	Clayton Fields West	14/02/2009	bird	Tyto alba	Barn Owl	Between: 08:50-09:50.	0	1	1

SE4507	Clayton	Clayton Fields West	28/02/2009	bird	Tyto alba	Barn Owl	Between: 07:00-08:00.	0	1	1
SE423057	Houghton pond 4		01/01/2010	amphibian	Rana temporaria	Common Frog		0	1	0
SE409079	Grimesthorpe pond 6		01/01/2010	amphibian	Rana temporaria	Common Frog		0	1	0
SE425065	Houghton pond 5		01/01/2010	amphibian	Triturus vulgaris	Smooth Newt		0	1	0
SE415070	Houghton pond 1		01/01/2010	amphibian	Triturus vulgaris	Smooth Newt		0	1	0
SE421060	Houghton pond 3		01/01/2010	amphibian	Triturus vulgaris	Smooth Newt		0	1	0
SE409079	Grimesthorpe pond 6		01/01/2010	amphibian	Triturus vulgaris	Smooth Newt		0	1	0
SE40D	BTO, Mexborough		01/04/1988	bird	Charadrius dubius	Little Ringed Plover		0	1	0
SE40D	BTO, Mexborough		01/04/1989	bird	Charadrius dubius	Little Ringed Plover		0	1	0
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Charadrius dubius	Little Ringed Plover		0	1	0
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Charadrius dubius	Little Ringed Plover		0	1	0
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Charadrius dubius	Little Ringed Plover	breeding	0	1	0
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Charadrius dubius	Little Ringed Plover	2 Count	0	1	0
SE4107	Edderthorpe Ings, between		12/08/2011	bird	Chlidonias niger	Black Tern	1 Count	0	1	0
SE4208	West Haigh Wood LWS	West Haigh Wood	20/08/1994	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	2	0	1	0
SE427071	'BARNSLEY MBC'	Mileswood Close Great Houghton	10/06/1998	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	1	0	1	0

SE4306	'BARNSLEY MBC'	Pleasant Avenue Gt Houghton	11/07/1993	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	1	0	1	0
SE431064	'BARNSLEY MBC'	Rotherham Rd Great Houghton	18/09/1989	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	1	0	1	0
SE440059	'BARNSLEY MBC'	Great Houghton	02/07/1996	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	1	0	1	0
SE4108	'BARNSLEY MBC'	Grimethorpe 4 Woodland	07/03/1994	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	1	0	1	0
SE448059	'BARNSLEY MBC'	42 Clayton Drive Thurnscoe	13/06/1992	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	roost exit count 60 by	0	1	0
SE448059	'BARNSLEY MBC'	42 Clayton Drive Thurnscoe	20/06/1992	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	roost exit count 102 by	0	1	0
SE448059	'BARNSLEY MBC'	42 Clayton Drive Thurnscoe	28/07/1992	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	roost exit count 57	0	1	0
SE448060	'BARNSLEY MBC'	56 Clayton drive Thurnscoe	25/06/1992	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	roost	0	1	0
SE448060	'BARNSLEY MBC'	56 Clayton drive Thurnscoe	02/07/1992	terrestrial mammal	Pipistrellus pipistrellus	Pipistrelle	roost exit count 1	0	1	0
SE427072	'BARNSLEY MBC'	Ashwood Grove	18/03/2000	terrestrial mammal	Pipistrellus pipistrellus	45 Khz Pipistrelle	1	0	1	0
SE416083	Grimethorpe Barnsley	New Park Spring	07/03/2013	bird	Carduelis cabaret	Lesser Redpoll	In birch on edge of	1	0	1
SE418076	Former Grimethorpe	Plantation along north-east side	07/03/2013	bird	Carduelis cabaret	Lesser Redpoll	At least 2 in birches.	1	0	1
SE40J	BTO, Mexborough		01/04/1989	bird	Coccothraustes coccothraustes	Hawfinch		1	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Cuculus canorus	Cuckoo		1	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Cuculus canorus	Cuckoo	breeding	1	0	1
SE4507	Clayton	Clayton Fields West	02/06/2009	bird	Cuculus canorus	Cuckoo	Between: 09:00-09:00.	1	0	1

SE4507	Clayton	Clayton Fields West	04/05/2009	bird	Cuculus canorus	Cuckoo	Between: 05:10-06:20.	1	0	1
SE4507	Clayton	Clayton Fields West	05/06/2009	bird	Cuculus canorus	Cuckoo	Between: 09:30-10:30.	1	0	1
SE4507	Clayton	Clayton Fields West	08/06/2009	bird	Cuculus canorus	Cuckoo	Between: 09:40-10:20.	1	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Cuculus canorus	Common Cuckoo	Breeding (probable)	1	0	1
SE447067	Clayton		09/07/2003	bird	Emberiza citrinella	Yellowhammer	from scrubby bridleway,	1	0	1
SE441079	Howell Wood		09/07/2003	bird	Emberiza citrinella	Yellowhammer	flew up from road - low	1	0	1
SE445076	Clayton		16/07/1993	bird	Emberiza citrinella	Yellowhammer	cereal/flax crops	1	0	1
SE4106	Edderthorpe Ings, between		01/03/1998	bird	Emberiza citrinella	Yellowhammer		1	0	1
SE441079	Howell Wood		09/07/2003	bird	Emberiza citrinella	Yellowhammer	{BTO Habitat Code: E4.2:	1	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Emberiza citrinella	Yellowhammer	breeding	1	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Emberiza citrinella	Yellowhammer	Breeding (probable)	1	0	1
SE4507	Clayton		08/01/2011	bird	Emberiza citrinella	Yellowhammer	2 Count	1	0	1
SE421067	Great Houghton	Little Park	07/03/2013	bird	Emberiza citrinella	Yellowhammer	In hedge around field	1	0	1
SE4507	Clayton	Clayton Fields West	14/02/2009	bird	Emberiza citrinella	Yellowhammer	Between: 08:50-09:50.	1	0	1
SE4507	Clayton	Clayton Fields West	08/01/2011	bird	Emberiza citrinella	Yellowhammer		1	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Emberiza schoeniclus	Reed Bunting		1	0	1

SE4106	Edderthorpe Ings, between		01/03/1998	bird	Emberiza schoeniclus	Reed Bunting		1	0	1
SE4107	Grimethorpe		01/03/1998	bird	Emberiza schoeniclus	Reed Bunting		1	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Emberiza schoeniclus	Reed Bunting	breeding	1	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Emberiza schoeniclus	Reed Bunting	Breeding (probable)	1	0	1
SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Emberiza schoeniclus	Reed Bunting	Between: 09:00-10:19.	1	0	1
SE4507	Clayton	Clayton Fields West	20/05/2009	bird	Emberiza schoeniclus	Reed Bunting	Between: 08:50-09:50.	1	0	1
SE4507	Clayton	Clayton Fields West	20/10/2009	bird	Emberiza schoeniclus	Reed Bunting	Between: 09:00-10:00.	1	0	1
SE4507	Clayton	Clayton Fields West	30/04/2009	bird	Emberiza schoeniclus	Reed Bunting	Between: 08:00-09:40.	1	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Locustella naevia	Grasshopper Warbler	breeding	1	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Locustella naevia	Common Grasshopper	Breeding (probable)	1	0	1
SE448059	Thurnscoe		09/07/2003	bird	Passer domesticus	House Sparrow	from houses/garde	1	0	1
SE412085	Grimethorpe Barnsley	Tudor Court	07/03/2013	bird	Passer domesticus	House Sparrow	At least 2 in scrub	1	0	1
SE413085	Grimethorpe Barnsley	Duke Street	07/03/2013	bird	Passer domesticus	House Sparrow	At least 2 in scrub	1	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Passer montanus	Tree Sparrow		1	0	1
SE40N	BTO, Mexborough		01/04/1988	bird	Passer montanus	Tree Sparrow		1	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Passer montanus	Tree Sparrow		1	0	1

SE40N	BTO, Mexborough		01/04/1989	bird	Passer montanus	Tree Sparrow		1	0	1
SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Passer montanus	Tree Sparrow	Between: 09:00-10:19.	1	0	1
SE4507	Clayton	Clayton Fields West	17/03/2009	bird	Passer montanus	Tree Sparrow	Between: 09:00-10:10.	1	0	1
SE4507	Clayton	Clayton Fields West	28/02/2009	bird	Passer montanus	Tree Sparrow	Between: 07:00-08:00.	1	0	1
SE4507	Clayton	Clayton Fields West	21/08/2009	bird	Perdix perdix	Grey Partridge	Between: 10:00-14:00.	1	0	1
SE4507	Clayton	Clayton Fields West	22/02/2009	bird	Perdix perdix	Grey Partridge	Between: 08:00-08:40.	1	0	1
SE4507	Clayton	Clayton Fields West	22/04/2009	bird	Perdix perdix	Grey Partridge	Between: 08:10-09:10.	1	0	1
SE4507	Clayton	Clayton Fields West	18/08/2009	bird	Perdix perdix	Grey Partridge	Between: 06:30-09:30.	1	0	1
SE4507	Clayton	Clayton Fields West	20/10/2009	bird	Perdix perdix	Grey Partridge	Between: 09:00-10:00.	1	0	1
SE4507	Clayton	Clayton Fields West	21/03/2009	bird	Perdix perdix	Grey Partridge	Between: 08:30-09:30.	1	0	1
SE4507	Clayton	Clayton Fields West	25/02/2009	bird	Perdix perdix	Grey Partridge	Between: 09:00-10:00.	1	0	1
SE4106	Edderthorpe Ings, between		10/10/1989	bird	Perdix perdix	Grey Partridge	covey adjacent to	1	0	1
SE4107	Grimethorpe	Ferrymoor Marsh	01/03/1999	bird	Perdix perdix	Grey Partridge		1	0	1
SE4507	Clayton	Clayton Fields West	31/03/2009	bird	Perdix perdix	Grey Partridge	Between: 08:00-09:00.	1	0	1
SE4507	Clayton	Clayton Fields West	08/01/2011	bird	Perdix perdix	Grey Partridge		1	0	1
SE4507	Clayton	Clayton Fields West	01/03/2009	bird	Perdix perdix	Grey Partridge	Between: 08:20-09:00.	1	0	1

SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Perdix perdix	Grey Partridge	Between: 09:00-10:19.	1	0	1
SE4507	Clayton	Clayton Fields West	07/02/2009	bird	Perdix perdix	Grey Partridge	Between: 08:30-09:30.	1	0	1
SE4507	Clayton	Clayton Fields West	10/10/2009	bird	Perdix perdix	Grey Partridge	Between: 09:00-10:40.	1	0	1
SE4507	Clayton	Clayton Fields West	14/02/2009	bird	Perdix perdix	Grey Partridge	Between: 08:50-09:50.	1	0	1
SE4507	Clayton	Clayton Fields West	29/01/2009	bird	Perdix perdix	Grey Partridge	Between: 09:30-10:30.	1	0	1
SE4507	Clayton		08/01/2011	bird	Perdix perdix	Grey Partridge	5 Count	1	0	1
SE416073	Former Grimethorpe	New plantation to south-east of	07/03/2013	bird	Perdix perdix	Grey Partridge	Several piles of fresh	1	0	1
SE421068	Great Houghton	Little Park	07/03/2013	bird	Perdix perdix	Grey Partridge	In cereal stubble.	1	0	1
SE40J	BTO, Mexborough		01/04/1988	bird	Phylloscopus sibilatrix	Wood Warbler		1	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Streptopelia turtur	Turtle Dove		1	0	1
SE40J	BTO, Mexborough		01/04/1988	bird	Streptopelia turtur	Turtle Dove		1	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Streptopelia turtur	Turtle Dove		1	0	1
SE40J	BTO, Mexborough		01/04/1989	bird	Streptopelia turtur	Turtle Dove		1	0	1
SE4108	Grimethorpe	The Dell	01/03/1998	bird	Streptopelia turtur	Turtle Dove		1	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Vanellus vanellus	Lapwing		1	0	1
SE4106	Edderthorpe Ings, between		01/03/1998	bird	Vanellus vanellus	Lapwing		1	0	1

SE4107	Grimethorpe	Ferrymoor Marsh	01/03/1998	bird	Vanellus vanellus	Lapwing		1	0	1
SE4107	Edderthorpe Ings		11/11/2011	bird	Vanellus vanellus	Lapwing	large winter flock	1	0	1
SE4205	Edderthorpe Ings, between	Edderthorpe Flash	07/08/2006	bird	Vanellus vanellus	Northern Lapwing	+	1	0	1
SE4507	Clayton	Clayton Fields West	21/08/2009	bird	Vanellus vanellus	Northern Lapwing	Between: 09:30-10:40.	1	0	1
SE4507	Clayton	Clayton Fields West	22/02/2009	bird	Vanellus vanellus	Northern Lapwing	Between: 08:00-08:40.	1	0	1
SE4507	Clayton	Clayton Fields West	18/08/2009	bird	Vanellus vanellus	Northern Lapwing	Between: 06:30-09:30.	1	0	1
SE4507	Clayton	Clayton Fields West	25/02/2009	bird	Vanellus vanellus	Northern Lapwing	Between: 09:00-10:00.	1	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Vanellus vanellus	Lapwing		1	0	1
SE4107	Edderthorpe Ings	Edderthorpe	09/10/2011	bird	Vanellus vanellus	Lapwing		1	0	1
SE4107	Edderthorpe Ings	Edderthorpe	05/11/2011	bird	Vanellus vanellus	Lapwing		1	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Vanellus vanellus	Lapwing	6 Count	1	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Vanellus vanellus	Lapwing		1	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Vanellus vanellus	Lapwing		1	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Vanellus vanellus	Lapwing		1	0	1
SE4507	Clayton	Clayton Fields West	10/10/2009	bird	Vanellus vanellus	Lapwing	Between: 09:00-10:40.	1	0	1
SE4507	Clayton	Clayton Fields West	14/02/2009	bird	Vanellus vanellus	Lapwing	Between: 08:50-09:50.	1	0	1

SE4507	Clayton	Clayton Fields West	14/09/2009	bird	Vanellus vanellus	Lapwing	Between: 08:40-09:40.	1	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Vanellus vanellus	Northern Lapwing	Breeding (probable)	1	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Motacilla flava subsp.	Yellow Wagtail		1	0	0
SE40D	BTO, Mexborough		01/04/1989	bird	Motacilla flava subsp.	Yellow Wagtail		1	0	0
SE411075	New Park Spring, Grimethorpe	New Park Spring (C6)	28/08/2002	insect - butterfly	Coenonympha pamphilus	Small Heath		1	0	0
SE411075	New Park Spring, Grimethorpe	New Park Spring (C6)	01/09/2002	insect - butterfly	Coenonympha pamphilus	Small Heath		1	0	0
SE416077	New Park Spring, Grimethorpe	New Park Spring (C3)	28/08/2002	insect - butterfly	Coenonympha pamphilus	Small Heath		1	0	0
SE412075	New Park Spring, Grimethorpe	New Park Spring (C4)	26/08/2002	insect - butterfly	Lasiommata megera	Wall		1	0	0
SE419077	New Park Spring, Grimethorpe	New Park Spring (C1)	26/08/2002	insect - butterfly	Lasiommata megera	Wall		1	0	0
SE410075	Edderthorpe Ings		11/11/2011	terrestrial mammal	Micromys minutus	Harvest Mouse	2 nests in Phalaris	1	0	0
SE409075	Edderthorpe Ings	eastern ditch	08/03/2012	terrestrial mammal	Micromys minutus	Harvest Mouse	3 nests in Phalaris	1	0	0
SE4106	Edderthorpe Ings, between		14/04/1995	bird	Alauda arvensis	Skylark		0	0	1
SE4107	Grimethorpe Colliery	colliery tip	01/03/1998	bird	Alauda arvensis	Skylark		0	0	1
SE4106	Edderthorpe Ings, between		15/11/1995	bird	Alauda arvensis	Skylark		0	0	1
SE4106	Edderthorpe Ings, between		27/11/1995	bird	Alauda arvensis	Skylark	on newly seeded spoil	0	0	1
SE40J	Howell Wood		01/12/1995	bird	Alauda arvensis	Skylark		0	0	1

SE430092	fields between Grimethorpe and		18/04/1998	bird	Alauda arvensis	Skylark	over cereal	0	0	1
SE435083	Houghton Lodge		17/05/1998	bird	Alauda arvensis	Skylark	over cereal	0	0	1
SE431053	Middlecliffe near Darfield		28/05/1998	bird	Alauda arvensis	Skylark	over newish golf course	0	0	1
SE441079	Howell Wood		09/07/2003	bird	Alauda arvensis	Skylark	over cereal field	0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Alauda arvensis	Skylark		0	0	1
SE411076	Grimethorpe Colliery	restored tip	12/11/2011	bird	Alauda arvensis	Skylark	6+	0	0	1
SE411075	New Park Spring, Grimethorpe	Grimethorpe Tip	08/03/2012	bird	Alauda arvensis	Skylark	Singing.	0	0	1
SE4106	Edderthorpe Ings, between		14/03/1994	bird	Alauda arvensis	Skylark		0	0	1
SE4106	Edderthorpe Ings, between		20/02/1995	bird	Alauda arvensis	Skylark		0	0	1
SE4106	Edderthorpe Ings, between		14/02/1993	bird	Alauda arvensis	Skylark		0	0	1
SE4106	Edderthorpe Ings, between		01/03/1993	bird	Alauda arvensis	Skylark		0	0	1
SE4106	Edderthorpe Ings, between		04/04/1999	bird	Alauda arvensis	Skylark		0	0	1
SE441079	Howell Wood		09/07/2003	bird	Alauda arvensis	Skylark	{BTO Habitat Code: E4.2.7:	0	0	1
SE433053	Middlecliffe near Darfield		28/05/1998	bird	Alauda arvensis	Skylark	over cereal	0	0	1
SE434057	Great Houghton		28/05/1998	bird	Alauda arvensis	Skylark	over peas	0	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Alauda arvensis	Skylark	breeding	0	0	1

SE414075	Former Grimethorpe	Summit of hill (near memorial)	07/03/2013	bird	Alauda arvensis	Skylark	2 singing overhead, 2	0	0	1
SE415074	Former Grimethorpe	New plantation to south-east of	07/03/2013	bird	Alauda arvensis	Skylark	On ground amongst	0	0	1
SE415075	Former Grimethorpe	Track around summit	07/03/2013	bird	Alauda arvensis	Skylark		0	0	1
SE416074	Former Grimethorpe	New plantation to south-east of	07/03/2013	bird	Alauda arvensis	Skylark	On ground amongst	0	0	1
SE416076	Former Grimethorpe	Track around summit	07/03/2013	bird	Alauda arvensis	Skylark	Singing.	0	0	1
SE418073	Former Grimethorpe	Area around radio mast	07/03/2013	bird	Alauda arvensis	Skylark	Singing.	0	0	1
SE4507	Clayton	Clayton Fields West	02/09/2009	bird	Alauda arvensis	Skylark	Between: 07:00-08:19.	0	0	1
SE4507	Clayton	Clayton Fields West	10/01/2009	bird	Alauda arvensis	Skylark	Between: 09:00-10:00.	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Alauda arvensis	Sky Lark	Breeding (probable)	0	0	1
SE4106	Edderthorpe Ings, between		17/04/2005	bird	Anas clypeata	Northern Shoveler		0	0	1
SE4106	Edderthorpe Ings, between		01/01/1999	bird	Anas clypeata	Shoveler		0	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Anas clypeata	Shoveler		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Anas clypeata	Shoveler		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Anas clypeata	Shoveler		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Anas clypeata	Shoveler		0	0	1
SE4107	Edderthorpe Ings	north end	11/11/2011	bird	Anas clypeata	Shoveler	4 pairs	0	0	1

SE4107	Edderthorpe Ings	Edderthorpe	09/10/2011	bird	Anas clypeata	Shoveler		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	25/10/2009	bird	Anas clypeata	Shoveler		0	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Anas clypeata	Shoveler	2 Count	0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Anas clypeata	Shoveler		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Anas clypeata	Shoveler		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Anas clypeata	Northern Shoveler	Breeding (probable)	0	0	1
SE4106	Edderthorpe Ings, between		01/01/1999	bird	Anas crecca	Teal	> 100	0	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Anas crecca	Teal		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Anas crecca	Teal		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Anas crecca	Teal		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Anas crecca	Teal		0	0	1
SE415065	Edderthorpe Ings, between		12/02/1991	bird	Anas crecca	Teal		0	0	1
SE415068	Edderthorpe Ings, between		29/03/1991	bird	Anas crecca	Teal		0	0	1
SE4106	Edderthorpe Ings, between		17/04/2005	bird	Anas crecca	Common Teal		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	04/01/2009	bird	Anas crecca	Teal		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Anas crecca	Teal		0	0	1

SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Anas crecca	Teal		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Anas crecca	Teal		0	0	1
SE4106	Edderthorpe Ings, between		17/04/2005	bird	Anas penelope	Eurasian Wigeon		0	0	1
SE4106	Edderthorpe Ings, between		01/01/1999	bird	Anas penelope	Wigeon	> 100	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	25/10/2009	bird	Anas penelope	Wigeon		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Anas penelope	Wigeon		0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Anas penelope	Wigeon		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Anas penelope	Wigeon		0	0	1
SE4106	Edderthorpe Ings, between		17/04/2005	bird	Anas strepera	Gadwall		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Anas strepera	Gadwall		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Anas strepera	Gadwall		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	27/06/2009	bird	Anas strepera	Gadwall	female + 5 young	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Anas strepera	Gadwall	Breeding (confirmed)	0	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Anas strepera	Gadwall	2 Count	0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Anas strepera	Gadwall		0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Anas strepera	Gadwall		0	0	1

SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Anas strepera	Gadwall		0	0	1
SE4107	Edderthorpe Ings	north end	12/11/2011	bird	Anser albifrons	White-Fronted	26 counted	0	0	1
SE4107	Edderthorpe Ings, between		22/11/2011	bird	Anser albifrons	White-Fronted	20 Count	0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Anser brachyrhyncus	Pink-Footed Goose		0	0	1
SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Anser brachyrhyncus	Pink-Footed Goose	Between: 09:00-10:19.	0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Anthus pratensis	Meadow Pipit		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Anthus pratensis	Meadow Pipit	Breeding (probable)	0	0	1
SE4507	Clayton	Clayton Fields West	02/09/2009	bird	Anthus pratensis	Meadow Pipit	Between: 07:00-08:19.	0	0	1
SE4507	Clayton	Clayton Fields West	21/03/2009	bird	Anthus pratensis	Meadow Pipit	Between: 08:30-09:30.	0	0	1
SE4507	Clayton	Clayton Fields West	25/02/2009	bird	Anthus pratensis	Meadow Pipit	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	29/01/2009	bird	Anthus pratensis	Meadow Pipit	Between: 09:30-10:30.	0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Asio flammeus	Short-Eared Owl		0	0	1
SE4106	Edderthorpe Ings, between		01/05/1989	bird	Asio flammeus	Short-Eared Owl	recorded during	0	0	1
SE415070	fields to S of Grimethorpe Ings		19/02/1993	bird	Asio flammeus	Short-Eared Owl	flying over railway line	0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Aythya ferina	Pochard		0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Aythya ferina	Pochard		0	0	1

SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Aythya ferina	Pochard		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	09/10/2011	bird	Calidris alpina	Dunlin		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	05/11/2011	bird	Calidris alpina	Dunlin		0	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Calidris alpina	Dunlin	5 Count	0	0	1
SE4107	Edderthorpe Ings, between		02/08/2011	bird	Calidris alpina	Dunlin	4 Count	0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Calidris alpina	Dunlin		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Carduelis cannabina	Linnet		0	0	1
SE439081	Clayton		16/07/1993	bird	Carduelis cannabina	Linnet	into hedge opposite	0	0	1
SE4107	Grimethorpe		01/03/1998	bird	Carduelis cannabina	Linnet		0	0	1
SE410083	Grimethorpe Barnsley	Park Springs Industrial Estate	07/03/2013	bird	Carduelis cannabina	Linnet	Near entrance to	0	0	1
SE4507	Clayton	Clayton Fields West	02/09/2009	bird	Carduelis cannabina	Linnet	Between: 07:00-08:19.	0	0	1
SE4507	Clayton	Clayton Fields West	17/03/2009	bird	Carduelis cannabina	Linnet	Between: 09:00-10:10.	0	0	1
SE4507	Clayton	Clayton Fields West	22/04/2009	bird	Carduelis cannabina	Linnet	Between: 08:10-09:10.	0	0	1
SE4507	Clayton	Clayton Fields West	24/03/2009	bird	Carduelis cannabina	Linnet	Between: 08:30-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	25/08/2009	bird	Carduelis cannabina	Linnet	Between: 09:00-10:10.	0	0	1
SE410075	Edderthorpe Ings	old rail track	11/11/2011	bird	Carduelis carduelis	Goldfinch	feeding flock	0	0	1

SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Carduelis carduelis	European Goldfinch	Breeding (probable)	0	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Charadrius hiaticula	Ringed Plover		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Charadrius hiaticula	Ringed Plover		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	22/05/2011	bird	Charadrius hiaticula	Ringed Plover		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	21/08/2011	bird	Charadrius hiaticula	Ringed Plover		0	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Charadrius hiaticula	Ringed Plover	3 Count	0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Charadrius hiaticula	Ringed Plover		0	0	1
SE422071	Great Houghton	Little Park	07/03/2013	bird	Columba oenas	Stock Dove	In ploughed field.	0	0	1
SE4507	Clayton	Clayton Fields West	03/03/2009	bird	Columba oenas	Stock Dove	Between: 08:30-09:40.	0	0	1
SE4507	Clayton	Clayton Fields West	22/04/2009	bird	Columba oenas	Stock Dove	Between: 08:10-09:10.	0	0	1
SE4106	Edderthorpe Ings, between		10/10/1989	bird	Cygnus olor	Mute Swan		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Cygnus olor	Mute Swan		0	0	1
SE415068	Edderthorpe Ings, between		22/10/1990	bird	Cygnus olor	Mute Swan	on water	0	0	1
SE4106	Edderthorpe Ings, between		17/04/2005	bird	Cygnus olor	Mute Swan		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	27/06/2009	bird	Cygnus olor	Mute Swan	pair + 6 young	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Cygnus olor	Mute Swan	Breeding (confirmed)	0	0	1

SE4107	Edderthorpe Ings, between		08/05/2011	bird	Cygnus olor	Mute Swan	3 Count	0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Cygnus olor	Mute Swan		0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Cygnus olor	Mute Swan		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Cygnus olor	Mute Swan		0	0	1
SE40I	Great Houghton	Semi detached - Old Council	25/07/2000	bird	Delichon urbica	House Martin	2 nests (1 in use) on	0	0	1
SE40I	Great Houghton	Semi detached - Old Council	25/07/2000	bird	Delichon urbica	House Martin	1 nest in use on smooth	0	0	1
SE40I	Great Houghton	Semi detached - Old Council	25/07/2000	bird	Delichon urbica	House Martin	1 nest in use on smooth	0	0	1
SE40I	Great Houghton	Semi detached - Old Council	25/07/2000	bird	Delichon urbica	House Martin	2 nests (1 in use) on	0	0	1
SE433066	Great Houghton	Semi detached - Old Council	25/07/2000	bird	Delichon urbica	House Martin	3, 2 & 1 nests (1 in	0	0	1
SE437062	Great Houghton	?residential home	25/07/2000	bird	Delichon urbica	House Martin	under eaves on brickwork	0	0	1
SE4507	Clayton	Clayton Fields West	14/09/2009	bird	Delichon urbica	House Martin	Between: 08:40-09:40.	0	0	1
SE4507	Clayton	Clayton Fields West	24/06/2009	bird	Delichon urbica	House Martin	Between: 08:00-09:30. I	0	0	1
SE4507	Clayton	Clayton Fields West	25/08/2009	bird	Delichon urbica	House Martin	Between: 09:00-10:10.	0	0	1
SE40J	BTO, Mexborough		01/04/1989	bird	Dendrocopos minor	Lesser Spotted		0	0	1
SE40J	Howell Wood		01/05/1989	bird	Dendrocopos minor	Lesser Spotted	recorded during	0	0	1
SE411076	Grimethorpe Colliery	restored tip	12/11/2011	bird	Falco tinnunculus	Kestrel	hunting	0	0	1

SE4507	Clayton		08/01/2011	bird	Falco tinnunculus	Kestrel	1 Count	0	0	1
SE4507	Clayton	Clayton Fields West	01/03/2009	bird	Falco tinnunculus	Kestrel	Between: 08:20-09:00.	0	0	1
SE4507	Clayton	Clayton Fields West	02/09/2009	bird	Falco tinnunculus	Kestrel	Between: 07:00-08:19.	0	0	1
SE4507	Clayton	Clayton Fields West	03/03/2009	bird	Falco tinnunculus	Kestrel	Between: 08:30-09:40.	0	0	1
SE4507	Clayton	Clayton Fields West	22/09/2009	bird	Falco tinnunculus	Kestrel	Between: 11:00-14:30.	0	0	1
SE4507	Clayton	Clayton Fields West	20/10/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	25/02/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	30/06/2009	bird	Falco tinnunculus	Kestrel	Between: 08:00-09:19.	0	0	1
SE4507	Clayton	Clayton Fields West	16/08/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	12/03/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	12/08/2009	bird	Falco tinnunculus	Kestrel	Between: 08:30-09:30.	0	0	1
SE4507	Clayton	Clayton Fields West	14/02/2009	bird	Falco tinnunculus	Kestrel	Between: 08:50-09:50.	0	0	1
SE4507	Clayton	Clayton Fields West	08/01/2011	bird	Falco tinnunculus	Kestrel		0	0	1
SE4507	Clayton	Clayton Fields West	22/02/2009	bird	Falco tinnunculus	Kestrel	Between: 08:00-08:40.	0	0	1
SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:19.	0	0	1
SE4507	Clayton	Clayton Fields West	07/02/2009	bird	Falco tinnunculus	Kestrel	Between: 08:30-09:30.	0	0	1

SE4507	Clayton	Clayton Fields West	10/10/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:40.	0	0	1
SE4507	Clayton	Clayton Fields West	14/09/2009	bird	Falco tinnunculus	Kestrel	Between: 08:40-09:40.	0	0	1
SE4507	Clayton	Clayton Fields West	31/03/2009	bird	Falco tinnunculus	Kestrel	Between: 08:00-09:00.	0	0	1
SE4507	Clayton	Clayton Fields West	17/03/2009	bird	Falco tinnunculus	Kestrel	Between: 09:00-10:10.	0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Gallinago gallinago	Snipe		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Gallinago gallinago	Snipe		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Gallinago gallinago	Snipe		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Gallinago gallinago	Snipe		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Haematopus ostralegus	Oystercatcher		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	28/02/2010	bird	Haematopus ostralegus	Oystercatcher		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Haematopus ostralegus	Oystercatcher		0	0	1
SE4507	Clayton		31/03/1996	bird	Hirundo rustica	Swallow		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Hirundo rustica	Swallow		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Hirundo rustica	Swallow		0	0	1
SE4507	Clayton		11/04/2011	bird	Hirundo rustica	Swallow	2 Count	0	0	1
SE4507	Clayton	Clayton Fields West	15/09/2009	bird	Hirundo rustica	Swallow	Between: 10:00-10:00.	0	0	1

SE4507	Clayton	Clayton Fields West	21/08/2009	bird	Hirundo rustica	Swallow	Between: 10:00-14:00.	0	0	1
SE4507	Clayton	Clayton Fields West	22/04/2009	bird	Hirundo rustica	Swallow	Between: 08:10-09:10.	0	0	1
SE4507	Clayton	Clayton Fields West	18/04/2009	bird	Hirundo rustica	Swallow	Between: 10:00-11:00.	0	0	1
SE4507	Clayton	Clayton Fields West	28/09/2009	bird	Hirundo rustica	Swallow	Between: 09:20-10:30.	0	0	1
SE4507	Clayton	Clayton Fields West	17/08/2009	bird	Larus argentatus	Herring Gull	Between: 09:30-10:20.	0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Larus canus	Common Gull		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Larus canus	Common Gull		0	0	1
SE4507	Clayton	Clayton Fields West	29/08/2009	bird	Larus fuscus	Lesser Black-Backed Gull	Between: 08:30-09:30.	0	0	1
SE4107	Edderthorpe Ings, between		29/04/2011	bird	Limosa lapponica	Bar-Tailed Godwit	1 Count	0	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40J	BTO, Mexborough		01/04/1988	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40N	BTO, Mexborough		01/04/1988	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40P	BTO, Mexborough		01/04/1988	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40J	BTO, Mexborough		01/04/1989	bird	Miliaria calandra	Corn Bunting		0	0	1
SE441075	Great Houghton		16/07/1993	bird	Miliaria calandra	Corn Bunting	from isolated ash tree	0	0	1

SE4106	Edderthorpe Ings, between		01/03/1998	bird	Miliaria calandra	Corn Bunting		0	0	1
SE4209	Brierley Common		01/03/1998	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40N	BTO, Mexborough		01/04/1989	bird	Miliaria calandra	Corn Bunting		0	0	1
SE40P	BTO, Mexborough		01/04/1989	bird	Miliaria calandra	Corn Bunting		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Miliaria calandra	Corn Bunting		0	0	1
SE447069	Thurnscoe		16/07/1993	bird	Miliaria calandra	Corn Bunting	from power line over flax	0	0	1
SE4507	Clayton	Clayton Fields West	26/09/2009	bird	Motacilla cinerea	Grey Wagtail	Between: 07:30-09:00.	0	0	1
SE4106	Edderthorpe Ings, between		01/03/1998	bird	Motacilla flava	Yellow Wagtail		0	0	1
SE4209	Brierley Common		01/03/1998	bird	Motacilla flava	Yellow Wagtail		0	0	1
SE4107	Grimethorpe	Ferrymoor Marsh	03/05/1998	bird	Motacilla flava	Yellow Wagtail		0	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Motacilla flava	Yellow Wagtail		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Motacilla flava	Yellow Wagtail		0	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Motacilla flava	Yellow Wagtail	breeding	0	0	1
SE4507	Clayton	Clayton Fields West	21/08/2009	bird	Motacilla flava	Yellow Wagtail	Between: 10:00-14:00.	0	0	1
SE4507	Clayton	Clayton Fields West	18/08/2009	bird	Motacilla flava	Yellow Wagtail	Between: 06:30-09:30.	0	0	1
SE447067	Clayton		09/07/2003	bird	Parus montanus	Willow Tit	from scrubby bridleway,	0	0	1

SE40D	BTO, Mexborough		01/04/1988	bird	Parus montanus	Willow Tit		0	0	1
SE40J	BTO, Mexborough		01/04/1988	bird	Parus montanus	Willow Tit		0	0	1
SE40P	BTO, Mexborough		01/04/1988	bird	Parus montanus	Willow Tit		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Parus montanus	Willow Tit		0	0	1
SE40J	BTO, Mexborough		01/04/1989	bird	Parus montanus	Willow Tit		0	0	1
SE4106	Edderthorpe Ings	Edderthorpe Ings 35	01/01/2005	bird	Parus montanus	Willow Tit	breeding	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Parus montanus	Willow Tit	Breeding (probable)	0	0	1
SE4507	Clayton	Clayton Fields West	10/10/2009	bird	Parus montanus	Willow Tit	Between: 09:00-10:40.	0	0	1
SE4407	Clayton		15/11/2006	bird	Parus palustris	Marsh Tit	Between: 10:10-13:10.	0	0	1
SE4107	Edderthorpe Ings		10/10/2012	bird	Phalacrocorax carbo	Cormorant	12 on lake	0	0	1
SE4106	Edderthorpe Ings, between		17/04/2005	bird	Phalacrocorax carbo	Great Cormorant		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	25/10/2009	bird	Phalacrocorax carbo	Cormorant		0	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Phalacrocorax carbo	Cormorant	1 Count	0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Phalacrocorax carbo	Cormorant		0	0	1
SE4507	Clayton	Clayton Fields West	12/05/2009	bird	Phalacrocorax carbo	Cormorant	Between: 09:00-11:00.	0	0	1
SE410075	Edderthorpe Ings	old rail line	13/04/2012	bird	Phylloscopus trochilus	Willow Warbler	singing	0	0	1

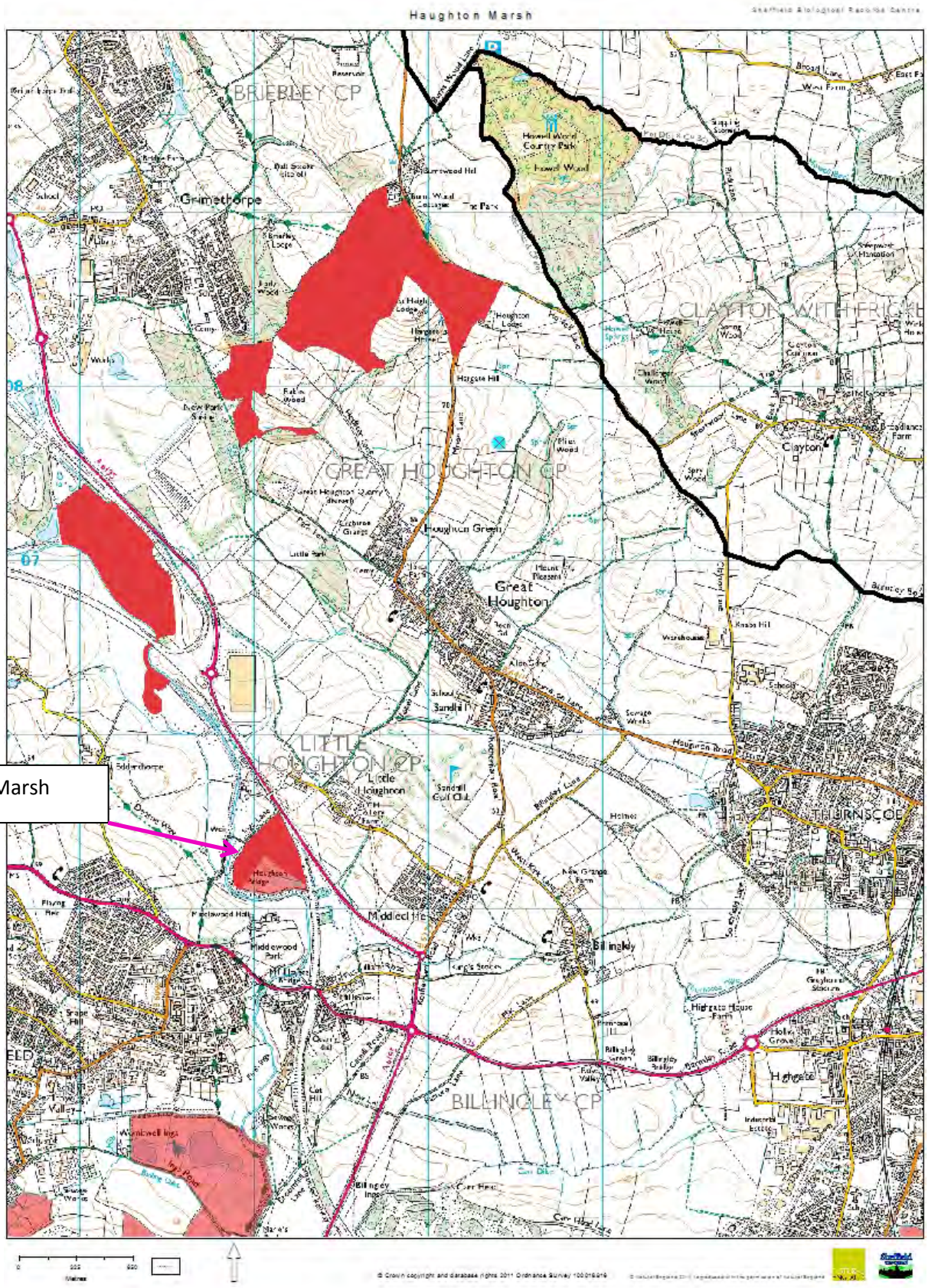
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Phylloscopus trochilus	Willow Warbler	Breeding (probable)	0	0	1
SE4507	Clayton		08/04/2011	bird	Phylloscopus trochilus	Willow Warbler	1 Count	0	0	1
SE4507	Clayton	Clayton Fields West	02/09/2009	bird	Phylloscopus trochilus	Willow Warbler	Between: 07:00-08:19.	0	0	1
SE4507	Clayton	Clayton Fields West	12/08/2009	bird	Phylloscopus trochilus	Willow Warbler	Between: 08:30-09:30.	0	0	1
SE4507	Clayton	Clayton Fields West	16/08/2009	bird	Phylloscopus trochilus	Willow Warbler	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	22/04/2009	bird	Phylloscopus trochilus	Willow Warbler	Between: 08:10-09:10.	0	0	1
SE410075	Edderthorpe Ings	old rail track	11/11/2011	bird	Picus viridis	Green Woodpecker	1 feeding	0	0	1
SE411075	Edderthorpe Ings	old rail track	10/10/2012	bird	Picus viridis	Green Woodpecker	1 on old rail track	0	0	1
SE418075	Former Grimethorpe	Plantation along north-east side	07/03/2013	bird	Picus viridis	Green Woodpecker	Heard calling, but not seen.	0	0	1
SE4507	Clayton	Clayton Fields West	10/01/2009	bird	Picus viridis	Green Woodpecker	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	13/04/2009	bird	Picus viridis	Green Woodpecker	Between: 07:40-08:59.	0	0	1
SE4507	Clayton	Clayton Fields West	22/09/2009	bird	Picus viridis	Green Woodpecker	Between: 11:00-14:30.	0	0	1
SE4507	Clayton	Clayton Fields West	30/04/2009	bird	Picus viridis	Green Woodpecker	Between: 08:00-09:40.	0	0	1
SE4106	Edderthorpe Ings, between		14/12/1995	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4106	Edderthorpe Ings, between		02/02/1995	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4106	Edderthorpe Ings, between		08/03/1995	bird	Pluvialis apricaria	Golden Plover		0	0	1

SE4107	Edderthorpe Ings		11/11/2011	bird	Pluvialis apricaria	Golden Plover	large winter flock - several	0	0	1
SE4107	Edderthorpe Ings		10/10/2012	bird	Pluvialis apricaria	Golden Plover	estimated 300 on lake	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	09/10/2011	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4507	Clayton	Clayton Fields West	24/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:30-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	25/02/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	26/02/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-09:00.	0	0	1
SE4507	Clayton	Clayton Fields West	26/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:00-08:00.	0	0	1
SE4507	Clayton	Clayton Fields West	31/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:00-09:00.	0	0	1
SE4507	Clayton	Clayton Fields West	08/01/2011	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4507	Clayton	Clayton Fields West	11/04/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:40-09:40.	0	0	1
SE4507	Clayton	Clayton Fields West	17/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-10:10.	0	0	1
SE4507	Clayton	Clayton Fields West	12/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	22/02/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:00-08:40.	0	0	1
SE4507	Clayton	Clayton Fields West	21/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:30-09:30.	0	0	1
SE4507	Clayton	Clayton Fields West	23/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-09:00.	0	0	1
SE4507	Clayton	Clayton Fields West	01/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:20-09:00.	0	0	1

SE4507	Clayton	Clayton Fields West	01/04/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-10:30.	0	0	1
SE4507	Clayton	Clayton Fields West	02/04/2009	bird	Pluvialis apricaria	Golden Plover	Between: 10:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	03/03/2009	bird	Pluvialis apricaria	Golden Plover	Between: 08:30-09:40.	0	0	1
SE4507	Clayton	Clayton Fields West	04/04/2009	bird	Pluvialis apricaria	Golden Plover	Between: 10:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	10/10/2009	bird	Pluvialis apricaria	Golden Plover	Between: 09:00-10:40.	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	05/11/2011	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	25/10/2009	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4507	Clayton		08/01/2011	bird	Pluvialis apricaria	Golden Plover	7 Count	0	0	1
SE4507	Thurnscoe		09/08/2011	bird	Pluvialis apricaria	Golden Plover	50 Count	0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Pluvialis apricaria	Golden Plover		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	09/10/2011	bird	Pluvialis squatarola	Grey Plover		0	0	1
SE4208	West Haigh Wood LWS	West Haigh Wood 34	01/01/2005	bird	Prunella modularis	Dunnock	breeding	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Prunella modularis	Hedge Accentor	Breeding (probable)	0	0	1
SE4208	West Haigh Wood LWS	West Haigh Wood 34	01/01/2005	bird	Pyrrhula pyrrhula	Bullfinch	breeding	0	0	1
SE4507	Clayton	Clayton Fields West	22/04/2009	bird	Pyrrhula pyrrhula	Bullfinch	Between: 08:10-09:10.	0	0	1

SE4507	Clayton	Clayton Fields West	29/01/2009	bird	Pyrrhula pyrrhula	Bullfinch	Between: 09:30-10:30.	0	0	1
SE4507	Clayton		11/03/2011	bird	Saxicola torquata	Stonechat	1 Count	0	0	1
SE4507	Clayton	Clayton Fields West	01/03/2009	bird	Saxicola torquata	Stonechat	Between: 08:20-09:00.	0	0	1
SE40J	BTO, Mexborough		01/04/1988	bird	Scolopax rusticola	Woodcock		0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Scolopax rusticola	Woodcock		0	0	1
SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Scolopax rusticola	Woodcock	Between: 09:00-10:19.	0	0	1
SE41270896	Grimethorpe Barnsley	Grimethorpe	15/10/2011	bird	Sturnus vulgaris	Starling	100+ Count of Flock	0	0	1
SE412089	Grimethorpe Barnsley	St Lukes Church	22/09/2012	bird	Sturnus vulgaris	Starling	100+ agregating on	0	0	1
SE41270896	Grimethorpe Barnsley	Grimethorpe	03/03/2011	bird	Sturnus vulgaris	Starling	100+ Count of Flock	0	0	1
SE41270896	Grimethorpe Barnsley	Grimethorpe	21/08/2011	bird	Sturnus vulgaris	Starling	100+ Count of Flock	0	0	1
SE40D	BTO, Mexborough		01/04/1989	bird	Tadorna tadorna	Shelduck		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Tadorna tadorna	Shelduck		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/03/2013	bird	Tadorna tadorna	Shelduck		0	0	1
SE413070	Edderthorpe Ings	Edderthorpe Flash	13/01/2013	bird	Tadorna tadorna	Shelduck		0	0	1
SE413080	Edderthorpe Ings	Edderthorpe Flash	10/02/2013	bird	Tadorna tadorna	Shelduck		0	0	1
SE40D	BTO, Mexborough		01/04/1988	bird	Tringa totanus	Redshank		0	0	1

SE40D	BTO, Mexborough		01/04/1989	bird	Tringa totanus	Redshank		0	0	1
SE4106	Edderthorpe Ings, between		14/05/1989	bird	Tringa totanus	Redshank		0	0	1
SE4106	Edderthorpe Ings, between		13/05/1990	bird	Tringa totanus	Redshank		0	0	1
SE4107	Edderthorpe Ings	Edderthorpe	27/06/2009	bird	Tringa totanus	Redshank	adult + 2 well grown	0	0	1
SE4107	Edderthorpe Ings, between		08/05/2011	bird	Tringa totanus	Redshank	6 Count	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Tringa totanus	Common Redshank	Breeding (probable)	0	0	1
SE4107	Edderthorpe Ings	Edderthorpe Flash	01/01/2004	bird	Turdus merula	Blackbird	Breeding (probable)	0	0	1
SE4205	Edderthorpe Ings, between	Edderthorpe Flash	27/10/2005	bird	Turdus merula	Common Blackbird		0	0	1
SE4507	Clayton	Clayton Fields West	10/01/2009	bird	Turdus merula	Blackbird	Between: 09:00-10:00.	0	0	1
SE4507	Clayton	Clayton Fields West	22/02/2009	bird	Turdus philomelos	Song Thrush	Between: 08:00-08:40.	0	0	1
SE4507	Clayton	Clayton Fields West	28/02/2009	bird	Turdus philomelos	Song Thrush	Between: 07:00-08:00.	0	0	1
SE4208	West Haigh Wood LWS	West Haigh Wood 34	01/01/2005	bird	Turdus philomelos	Song Thrush	breeding	0	0	1
SE417075	Former Grimethorpe	Plantation along north-east side	07/03/2013	bird	Turdus philomelos	Song Thrush		0	0	1
SE4507	Clayton	Clayton Fields West	03/11/2009	bird	Turdus philomelos	Song Thrush	Between: 09:00-10:19.	0	0	1
SE4507	Clayton	Clayton Fields West	29/01/2009	bird	Turdus philomelos	Song Thrush	Between: 09:30-10:30.	0	0	1
SE4507	Clayton	Clayton Fields West	12/03/2009	bird	Turdus viscivorus	Mistle Thrush	Between: 09:00-10:00.	0	0	1


Haughton Marsh
BRIERLEY CP
Grimethorpe
Howell Wood Country Park
Howell Wood
CLAYTON WITH FRICKLEY CP
Clayton
GREAT HOUGHTON CP
Great Houghton
Houghton Green
LITTLE HOUGHTON CP
Little Houghton
THURNSCOE
Middlecliffe
Billingley
BILLINGLEY CP
Highgate
Haughton Marsh

PLANNING DESIGN ENVIRONMENT



35. Edderthorpe Ings

LWS Assessment and Phase 1 Survey

Prepared by
TEP

for

Barnsley Metropolitan Borough Council

January 2011
(Edited December 2011)

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Site Name:	Edderthorpe Ings
Site Area:	30.56ha
Survey Date:	August 2010
Nearest Settlement:	Cudworth, Grimethorpe, Great Houghton, Darfield
Grid Reference at Centre:	SE4121, 06961
Surveyor(s)	LAC, VG

Site Description:

This is a site of formerly drained agricultural land that has flooded due to subsidence caused by the collapse of workings from the adjacent Grimethorpe Colliery. It lies in the Dearne Valley in a mix of agricultural and post-industrial landscapes. The site is bounded by the embankments of disused railway lines on the north-eastern and south-eastern sides and by the River Dearne on the south-western edge. Along the eastern side, the recently constructed Park Spring Road runs parallel to the old railway bank.

The majority of the site, also known as Cudworth Washland, is open water with a narrow fringe of marginal vegetation (TN3) and an area of taller swamp on the eastern side of the water. Surrounding the large waterbody are areas of marshy grassland (TN2) and neutral grassland (TN4).

Along the banks of the River Dearne, on the western edge of the site, is a strip of nettle-dominated tall ruderal herb vegetation (TN5). In the north there is a small area of developing broadleaved plantation (TN1) and some peripheral scattered scrub, mainly along the north-eastern site boundary.

The southern extremity of the site is a small patch of semi-natural broadleaved woodland (TN6) linked to the northern part of the site by the course of the River Dearne.

Important Species:

The site is important for a range of bird species but particularly schedule 1 species: avocet *(Recurvirostra avosetta)* and little ringed plover *(Charadrius dubius).* UKBAP species are: skylark *(Alauda arvensis),* cuckoo *(Cuculus canorus),* yellowhammer *(Emberiza citrinella),* reed bunting *(Emberiza schoeniclus),* grasshopper warbler *(Locustella naevia),* yellow wagtail *(Motacilla flava)* and willow tit *(Poecile montanus).*

Two alien invasive plant species, Himalayan balsam (*Impatiens glandulifera*) and New Zealand pygmyweed (*Crassula helmsii*) were also recorded in 2010.

Target Note:	TN1
Habitat:	Broadleaved plantation

Species List:

Scientific Name	Common Name	Frequency
Festuca rubra	Red Fescue	D
Arrhenatherum elatius	False Oat-grass	A
Betula pendula	Silver Birch	A
Rosa canina agg.	Dog Rose	F
Fraxinus excelsior	Ash	F
Deschampsia cespitosa	Tufted Hair-grass	F
Holcus lanatus	Yorkshire-fog	F
Crataegus monogyna	Hawthorn	F
Plantago lanceolata	Ribwort Plantain	F
Cirsium arvense	Creeping Thistle	F
Quercus robur	English Oak	O
Corylus avellana	Hazel	O
Lotus corniculatus	Bird's-foot Trefoil	O
Lathyrus pratensis	Meadow Vetchling	O
Vicia cracca	Tufted Vetch	O
Alnus glutinosa	Alder	O
Vicia tetrasperma	Smooth Tare	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN2
Habitat:	Marshy grassland

Species List:

Scientific Name	Common Name	Frequency
Agrostis stolonifera	Creeping Bent	A
Juncus inflexus	Hard Rush	F
Deschampsia cespitosa	Tufted Hair-grass	F
Holcus lanatus	Yorkshire-fog	F
Bidens tripartita	Trifid Bur-marigold	F
Juncus effusus	Soft Rush	F
Phalaris arundinacea	Reed Canary-grass	F
Phragmites australis	Reed	O
Lycopus europaeus	Gypsywort	O
Vicia cracca	Tufted Vetch	O
Salix viminalis	Osier	O
Vicia hirsuta	Hairy Tare	O
Plantago major	Greater Plantain	O
Trifolium dubium	Lesser Trefoil	O
Trifolium pratense	Red Clover	O
Juncus articulatus	Jointed Rush	O
Stellaria nemorum	Wood Stitchwort	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN3
Habitat:	Marginal vegetation

Species List:

Scientific Name	Common Name	Frequency
Bidens tripartita	Trifid Bur-marigold	A
Chenopodium rubrum	Red Goosefoot	F
Cotula coronopifolia	Buttonweed	F
Crassula helmsii	**New Zealand Pygmyweed**	**F**
Juncus bufonius	Toad Rush	F
Ranunculus sceleratus	Celery-leaved Buttercup	F

Rorippa sylvestris	Creeping Yellow-cress	F
Alisma plantago-aquatilis	Water-plantain	O
Alopecurus geniculatus	Marsh Foxtail	O
Eleocharis palustris	Common Spike-rush	O
Gnaphalium uliginosum	Marsh Cudweed	O
Lemna minor	Common Duckweed	O
Persicaria amphibia	Amphibious Bistort	O
Typha latifolia	Greater Reedmace	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN4
Habitat:	Modified neutral grassland

Species List:

Scientific Name	Common Name	Frequency
Plantago lanceolata	Ribwort Plantain	F
Trifolium repens	White Clover	F
Festuca rubra	Red Fescue	F
Cynosurus cristatus	Crested Dog's-tail	F
Deschampsia cespitosa	Tufted Hair-grass	O
Polygonum aviculare	Knotgrass	O
Agrostis stolonifera	Creeping Bent	O
Trifolium pratense	Red Clover	O
Poa trivialis	Rough Meadow-grass	O
Cirsium arvense	Creeping Thistle	O
Holcus lanatus	Yorkshire-fog	O
Lolium perenne	Ryegrass	O
Hypochaeris radicata	Common Cat's-ear	O
Centaurium erythraea	Common Centaury	O
Achillea millefolium	Yarrow	R
Cirsium vulgare	Spear Thistle	R
Odontites verna	Red Bartsia	R
Senecio jacobaea	Ragwort	R
Cerastium fontanum	Common Mouse-ear	R
Lathyrus pratensis	Meadow Vetchling	R
Centaurea nigra	Knapweed	R
Sonchus oleraceus	Smooth Sow-thistle	R
Vicia tetrasperma	Smooth Tare	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN5
Habitat:	Tall ruderal herb

Species List:

Scientific Name	Common Name	Frequency
Urtica dioica	Nettle	D
Barbarea vulgaris	Winter-cress	F
Rumex obtusifolius	Broad-leaved Dock	F
Cirsium arvense	Creeping Thistle	F
Glechoma hederacea	Ground-ivy	F
Elytrigia repens	Common Couch	O
Impatiens glandulifera	**Himalayan Balsam**	**O**
Anthriscus sylvestris	Cow Parsley	O
Lamium album	White Dead-nettle	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN6
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Salix fragilis	Crack Willow	D
Urtica dioica	Nettle	D
Impatiens glandulifera	**Himalayan Balsam**	**F**
Moss sp.	Moss species	F
Glechoma hederacea	Ground-ivy	O
Heracleum sphondylium	Hogweed	O
Malus sylvestris	Crab-apple	O
Stachys sylvatica	Hedge Woundwort	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Management Issues:

Although formerly managed by the Environment Agency as flood relief reservoir within the Dearne floodplain, increasing mining subsidence has led to an increase in the extent of permanent water here. The site is now managed for its ornithological interest by the RSPB. Further subsidence may result in loss of bird breeding habitat around the waterbody, as water levels rise.

The spread of alien invasive plant species requires monitoring and managing.

Diversity:

During the course of 2010 fieldwork, 71 plant species were recorded from this site. The range of grassland, marginal and swamp habitats along with the small areas of scrub, woodland and tall herb creates some structural diversity. However, the most ecologically significant diversity is the value of the site for its bird life.

Naturalness:

Although this site is greatly influenced by local coal mining and is affected by the proximity of railway banks, the flash is of relatively recent origin and the colonisation of the water and its margins by plants has mainly been by natural processes. The diversity of birdlife has definitely arrived naturally and this site is an important part of the chain of wetland sites along the Dearne Valley.

Rare or Exceptional Features:

The water, wetland and its associated birds are the main ecological asset of this site.

Fragility:

Being adjacent to the River Dearne and connected to the drainage system of the floodplain, this site is vulnerable to flooding incidents bringing in contamination and debris and causing pollutions and physical damage to the site's habitats and wildlife.

Further subsistence would cause an expansion of the open water but, conversely, also possible loss of valuable bird breeding habitat within the site.

Typicalness:

This site is fairly typical of areas of low-lying land where mining subsidence has led to formation of flashes. It is one of a suite of such sites along the floodplain of the River Dearne.

Recorded History & Cultural Associations:

The history of local coal mining has great relevance for this site. It is also in very close proximity to former railways on three sides.

The course of the River Dearne has been altered to allow the site to expand in a south-westerly direction. The history of local water and flood management would also therefore be relevant to this site.

Connectivity within the Landscape:

Like other wetlands along the River Dearne, this site does not have typical wildlife corridor links into the local countryside. Its main connectivity is provided by the River Dearne, which is a major flyway and destination for migratory waterfowl and waders.

Value for Appreciation of Nature & Learning:

A public footpath comes into the south-eastern end of the site, via a tunnel under the disused railway and new road. There is no access through the site as this would disturb both the over-wintering, passage migrant and breeding birds that use the site. There is controlled access for birdwatchers.

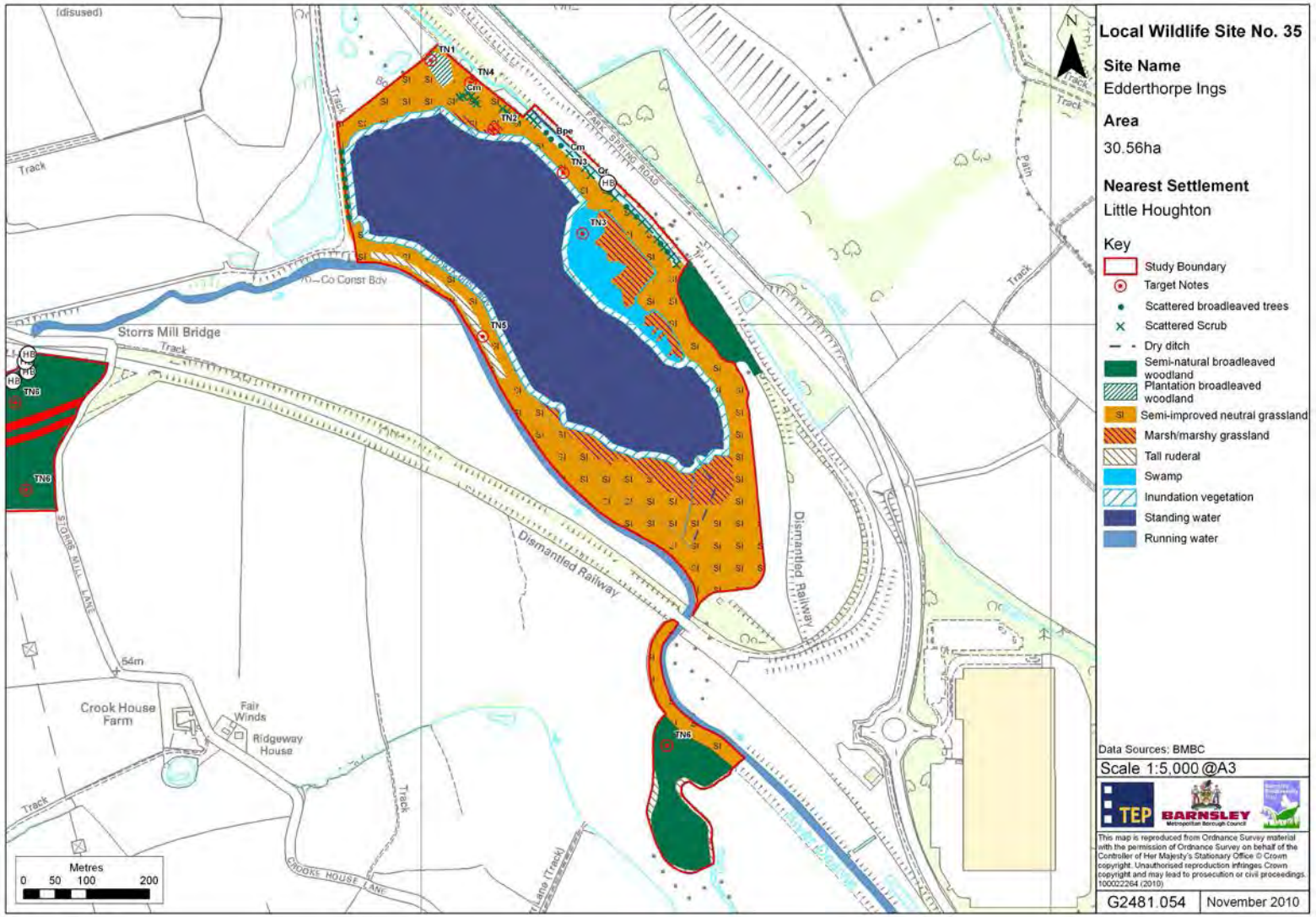
The site is managed by the RSPB and has facilities for watching the birds using the area. However, the much larger RSPB site at Old Moor, to the east has more facilities for education and visiting groups.

Recommendations:

The RSPB management of the site illustrates its wildlife value; this is further reinforced by the number of nationally important species that have been recorded in the area. The presence of these species means that this site fulfils the site selection criteria.

Actions:

Retain as a Local Wildlife Site
Support the RSPB in the management and explore
other opportunities close by to allocate additional LWS


Local Wildlife Site No. 35
Site Name
Edderthorpe Ings
Area
30.56ha
Nearest Settlement
Little Houghton
Key
Study Boundary
Target Notes
Scattered broadleaved trees
Scattered Scrub
Dry ditch
Semi-natural broadleaved woodland
Plantation broadleaved woodland
Semi-improved neutral grassland
Marsh/marshy grassland
Tall ruderal
Swamp
Inundation vegetation
Standing water
Running water
Data Sources: BMBC
Scale 1:5,000 @A3
TEP
BARNSLEY
Metropolitan Borough Council
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G2481.054
November 2010
(disused)
Track
Co Const Bdy
Storrs Mill Bridge
Dismantled Railway
Crook House Farm
Fair Winds
Ridgeway House
54m
Metres
0 50 100 200

PLANNING DESIGN ENVIRONMENT



34. West Haigh Woods

LWS Assessment and Phase 1 Survey

Prepared by
TEP

for

Barnsley Metropolitan Borough Council

January 2011
(Edited December 2011)

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Site Name:	West Haigh Woods
Site Area:	69.73ha
Survey Date:	August and September 2010
Nearest Settlement:	Grimethorpe
Grid Reference at Centre:	SE42594, 08496
Surveyor(s)	PG, VG

Site Description:

This is a large and overwhelmingly wooded site existing in two separate sections. The larger northern and eastern section (West Haigh Wood) was surveyed on 6 August 2010 and the smaller area in the southwest (Rakes Wood) was surveyed on 16 September.

Most of the larger section (TN9, TN10, TN12, TN13, TN14 and TN15) is on the register of ancient and semi-natural woodlands; the remaining areas, to the east and southwest, are not. These areas outside the ancient woodland area formerly consisted of the more-open landscape of Houghton Common. However, a lack of management has resulted in a mix of silver birch (*Betula pendula*) and downy birch (*B. pubescens*) colonising the former common over the years. Oaks have also spread into this area. Patently, the traditional grazing typical of common land was not carried out intensively enough to prevent woodland establishment, so today the greater proportion of the area is dominated by a rapidly closing canopy.

Despite the difference in ages, samples of the woodland vegetation from both West Haigh Wood and the former Houghton Common both show very close matches to W16a woodland. This is the oak species (*Quercus robur* and *Q petraea*) sub-community of oak-birch-wavy hairgrass woodland community, typical of acidic soil conditions.

Bracken (*Pteridium aquilinum*) is most abundant over the eastern part of the former common (TN2, TN3, TN5), which was probably the latest area to be subsumed under woodland advancing from the west. Some areas still outside the woodland canopy are bracken dominated, including strips cleared along the route of overhead lines. Bracken is also still present in large amounts over the remainder of the entire woodland site, with some very dense areas also occurring in the western parts (TN10, TN11).

In the older woodlands, west of the former Houghton Common, oaks are more frequent and found as larger and more mature specimens. The older, denser canopy has produced a groundflora that is generally less bracken-dominated but also generally sparse and species-poor in the prevailing shaded and acidic condition. However, groundflora species typical of established woodlands are scattered sparsely through this large area. The most diverse woodland groundflora is found in the small southeast extension of TN14, where a stream course forms part of the site boundary.

West Haigh Wood is generally quite dry, but there is a small pond (TN12) in the south-eastern quarter, with a small stream flowing south from here.

A system of informal, but probably very long-established, footpaths spreads through the woodland, some of them following old banks and in one instance, the remains of a stone wall within the woodland.

Rakes Wood is separated from West Haigh Wood and is located to the southwestern this site. Although separate, it is a continuation of the same W16a oak and birch woodland type found over West Haigh Wood and the former Houghton Common. However, this section, just south of Grimethorpe, is more disturbed than the rest of the site's woodland. There is much bare shale ground and signs of use of off-road vehicles on the numerous tracks which throughout this part of the woodland. Broad bare tracks make a much denser network through these woods than the footpaths in West Haigh Wood.

Where there has been loss of trees, in the north (TN27) of Rakes Wood, a mosaic of bare ground, acid grassland, heather heath and regrowth of trees is found. Elsewhere there is typical W16a mixed oak and birch woodland with sparse species-poor groundflora dominated by a mix of bracken, bramble (*Rubus fruticosus*), Yorkshire fog (*Holcus lanatus*) and wavy hair-grass (*Deschampsia flexuosa*). This part of the site is not on the register of ancient woodlands, but has a small array of typical woodland groundflora species scattered throughout.

Important Species:

Bluebell (*Hyacinthoides non-scripta*), great woodrush (*Luzula sylvatica*), wood millet (*Milium effusum*), sessile oak (*Quercus petraea*), greater Stitchwort (*Stellaria holostea*), remote sedge (*Carex remota*), wood melick (*Melica uniflora*), great woodrush (*Luzula sylvatica*) and dog's mercury (*Mercurialis perennis*) are all found on this site. These are ancient woodland indicator species for South Yorkshire.

UKBAP species found on the site are breeding dunnock *(Prunella modularis),* bullfinch *(Pyrrhula pyrrhula* and song thrush *(Turdus philomelos)* and common lizard *(Zootoca vivipara).*

Target Note:	TN1
Habitat:	Continuous bracken, plantation, scattered scrub

Species List:

Scientific Name	Common Name	Frequency
Fagus sylvatica	Beech	D
Pteridium aquilinum	Bracken	A
Rubus fruticosus agg.	Bramble	F
Anthriscus sylvestris	Cow Parsley	O
Arrhenatherum elatius	False Oat-grass	O
Chamerion angustifolium	Rosebay Willowherb	O
Crataegus monogyna	Hawthorn	O
Dactylis glomerata	Cock's-foot	O
Deschampsia flexuosa	Wavy Hair-grass	O
Holcus lanatus	Yorkshire-fog	O
Holcus mollis	Creeping Soft-grass	O
Urtica dioica	Nettle	O
Acer pseudoplatanus	Sycamore	R
Achillea millefolium	Yarrow	R
Arctium minus	Lesser Burdock	R
Artemisia vulgaris	Mugwort	R
Betula pendula	Silver Birch	R
Cirsium arvense	Creeping Thistle	R
Cirsium vulgare	Spear Thistle	R
Heracleum sphondylium	Hogweed	R
Ilex aquifolium	Holly	R
Lamium album	White Dead-nettle	R
Plantago lanceolata	Ribwort Plantain	R
Plantago major	Greater Plantain	R
Polygonum aviculare	Knotgrass	R

Quercus petraea	**Sessile Oak**	**R**
Quercus robur	English Oak	R
Rosa canina agg.	Dog Rose	R
Sambucus nigra	Elder	R
Stellaria holostea	**Greater Stitchwort**	**R**
Taraxacum sp.	Dandelion species	R
Torilis japonica	Upright Hedge-parsley	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN2
Habitat:	Continuous bracken

Species List:

Scientific Name	Common Name	Frequency
Pteridium aquilinum	Bracken	D
Calystegia silvatica	Large Bindweed	F
Anthriscus sylvestris	Cow Parsley	O
Arrhenatherum elatius	False Oat-grass	O
Chamerion angustifolium	Rosebay Willowherb	O
Galium aparine	Cleavers	O
Heracleum sphondylium	Hogweed	O
Holcus lanatus	Yorkshire-fog	O
Poa trivialis	Rough Meadow-grass	O
Rubus fruticosus agg.	Bramble	O
Achillea millefolium	Yarrow	R
Arctium minus	Lesser Burdock	R
Artemisia vulgaris	Mugwort	R
Betula pendula	Silver Birch	R
Cirsium arvense	Creeping Thistle	R
Convolvulus arvensis	Field Bindweed	R
Crataegus monogyna	Hawthorn	R
Elytrigia repens	Common Couch	R
Fallopia japonica	**Japanese Knotweed**	**R**
Galeopsis tetrahit	Common Hemp-nettle	R
Glechoma hederacea	Ground-ivy	R
Hypochaeris radicata	Common Cat's-ear	R
Lapsana communis	Nipplewort	R
Mercurialis perennis	**Dog's Mercury**	**R**
Plantago major	Greater Plantain	R
Quercus robur	English Oak	R
Ranunculus acris	Meadow Buttercup	R
Ranunculus repens	Creeping Buttercup	R
Rubus idaeus	Raspberry	R
Rumex acetosa	Common Sorrel	R
Rumex obtusifolius	Broad-leaved Dock	R
Sambucus nigra	Elder	R
Senecio jacobaea	Ragwort	R
Silene latifolia	White Campion	R
Silene vulgaris	Bladder Campion	R
Stellaria media	Chickweed	R
Torilis japonica	Upright Hedge-parsley	R
Trifolium repens	White Clover	R
Ulex europaeus	Gorse	R
Urtica dioica	Nettle	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN3
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	D
Pteridium aquilinum	Bracken	A
Rubus fruticosus agg.	Bramble	F
Betula pubescens	Downy Birch	O
Chamerion angustifolium	Rosebay Willowherb	O
Deschampsia flexuosa	Wavy Hair-grass	O
Holcus mollis	Creeping Soft-grass	O
Quercus robur	English Oak	O
Ulex europaeus	Gorse	O
Arrhenatherum elatius	False Oat-grass	R
Calystegia silvatica	Large Bindweed	R
Cirsium palustre	Marsh Thistle	R
Deschampsia cespitosa	Tufted Hair-grass	R
Digitalis purpurea	Foxglove	R
Epilobium hirsutum	Great Willowherb	R
Galium aparine	Cleavers	R
Juncus conglomeratus	Compact Rush	R
Juncus effusus	Soft Rush	R
Malus domestica	Apple	R
Rubus idaeus	Raspberry	R
Salix cinerea	Grey Willow	R
Sambucus nigra	Elder	R
Solanum dulcamara	Bittersweet	R
Sonchus arvensis	Perennial Sow-thistle	R
Urtica dioica	Nettle	R
Viburnum opulus	Guelder-rose	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN4
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Quercus robur	English Oak	D
Crataegus monogyna	Hawthorn	F
Pteridium aquilinum	Bracken	F
Urtica dioica	Nettle	F
Betula pendula	Silver Birch	O
Poa trivialis	Rough Meadow-grass	O
Sambucus nigra	Elder	O
Stachys sylvatica	Hedge Woundwort	O
Alliaria petiolata	Garlic Mustard	R
Glechoma hederacea	Ground-ivy	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN5
Habitat:	Semi-natural broadleaved woodland, continuous bracken, modified neutral grassland

Species List:

Scientific Name	Common Name	Frequency
Crataegus monogyna	Hawthorn	A
Rubus fruticosus agg.	Bramble	A
Pteridium aquilinum	Bracken	F
Quercus robur	English Oak	F
Acer pseudoplatanus	Sycamore	O
Anthriscus sylvestris	Cow Parsley	O
Arrhenatherum elatius	False Oat-grass	O
Chamerion angustifolium	Rosebay Willowherb	O
Festuca rubra	Red Fescue	O
Heracleum sphondylium	Hogweed	O
Rosa canina agg.	Dog Rose	O
Sambucus nigra	Elder	O
Ulex europaeus	Gorse	O
Urtica dioica	Nettle	O
Arctium minus	Lesser Burdock	R
Cirsium arvense	Creeping Thistle	R
Fraxinus excelsior	Ash	R
Malus domestica	Apple	R
Quercus petraea	**Sessile Oak**	**R**
Senecio jacobaea	Ragwort	R
Silene dioica	Red Campion	R
Stachys sylvatica	Hedge Woundwort	R
Torilis japonica	Upright Hedge-parsley	R
Tragopogon pratensis	Goat's-beard	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN6
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Quercus robur	English Oak	D
Acer pseudoplatanus	Sycamore	F
Fraxinus excelsior	Ash	F
Hedera helix	Ivy	F
Rubus fruticosus agg.	Bramble	F
Urtica dioica	Nettle	F
Alliaria petiolata	Garlic Mustard	O
Anthriscus sylvestris	Cow Parsley	O
Crataegus monogyna	Hawthorn	O
Galium aparine	Cleavers	O
Hyacinthoides non-scripta	**Bluebell**	**O**
Ilex aquifolium	Holly	O
Mercurialis perennis	**Dog's Mercury**	**O**
Prunus spinosa	Blackthorn	O
Sambucus nigra	Elder	O
Arrhenatherum elatius	False Oat-grass	R
Cirsium arvense	Creeping Thistle	R
Elymus caninus	Bearded Couch	R
Pteridium aquilinum	Bracken	R
Rosa canina agg.	Dog Rose	R
Rumex sanguineus	Wood Dock	R
Stachys sylvatica	Hedge Woundwort	R
Stellaria media	Chickweed	R
Torilis japonica	Upright Hedge-parsley	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN7
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	A
Pteridium aquilinum	Bracken	A
Acer pseudoplatanus	Sycamore	F
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	F
Hedera helix	Ivy	F
Quercus robur	English Oak	F
Rubus fruticosus agg.	Bramble	F
Urtica dioica	Nettle	F
Arrhenatherum elatius	False Oat-grass	O
Calystegia silvatica	Large Bindweed	O
Chamerion angustifolium	Rosebay Willowherb	O
Cirsium arvense	Creeping Thistle	O
Galium aparine	Cleavers	O
Heracleum sphondylium	Hogweed	O
Sambucus nigra	Elder	O
Sonchus arvensis	Perennial Sow-thistle	O
Alliaria petiolata	Garlic Mustard	R
Artemisia vulgaris	Mugwort	R
Elytrigia repens	Common Couch	R
Epilobium hirsutum	Great Willowherb	R
Rumex obtusifolius	Broad-leaved Dock	R
Senecio jacobaea	Ragwort	R
Solanum dulcamara	Bittersweet	R
Sonchus asper	Prickly Sow-thistle	R
Sorbus aucuparia	Rowan	R
Stachys sylvatica	Hedge Woundwort	R
Taraxacum sp.	Dandelion species	R
Ulex europaeus	Gorse	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN8
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	D
Pteridium aquilinum	Bracken	A
Quercus robur	English Oak	A
Deschampsia flexuosa	Wavy Hair-grass	O
Galium aparine	Cleavers	O
Holcus mollis	Creeping Soft-grass	O
Rubus fruticosus agg.	Bramble	O
Agrostis capillaris	Common Bent	R
Anthriscus sylvestris	Cow Parsley	R
Buddleja davidii	Buddleia	R
Chamerion angustifolium	Rosebay Willowherb	R
Cirsium arvense	Creeping Thistle	R
Crataegus monogyna	Hawthorn	R
Dactylis glomerata	Cock's-foot	R
Fagus sylvatica	Beech	R
Fumaria officinalis	Common Fumitory	R
Geranium robertianum	Herb-Robert	R
Glechoma hederacea	Ground-ivy	R
Heracleum sphondylium	Hogweed	R
Holcus lanatus	Yorkshire-fog	R
Lamiastrum galeobdolon	**Yellow Archangel**	**R**
Milium effusum	**Wood Millet**	**R**

Persicaria maculosa	Redshank	R
Plantago major	Greater Plantain	R
Poa trivialis	Rough Meadow-grass	R
Rumex obtusifolius	Broad-leaved Dock	R
Rumex sanguineus	Wood Dock	R
Senecio vulgaris	Groundsel	R
Sonchus asper	Prickly Sow-thistle	R
Taraxacum sp.	Dandelion species	R
Urtica dioica	Nettle	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN9
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	D
Quercus robur	English Oak	D
Pteridium aquilinum	Bracken	A
Agrostis capillaris	Common Bent	O
Deschampsia flexuosa	Wavy Hair-grass	O
Holcus mollis	Creeping Soft-grass	O
Hyacinthoides non-scripta	**Bluebell**	**O**
Castanea sativa	Sweet Chestnut	R
Corylus avellana	Hazel	R
Deschampsia cespitosa	Tufted Hair-grass	R
Dryopteris filix-mas	Male-fern	R
Epilobium montanum	Broad-leaved Willowherb	R
Fagus sylvatica	Beech	R
Festuca rubra	Red Fescue	R
Fraxinus excelsior	Ash	R
Hedera helix	Ivy	R
Heracleum sphondylium	Hogweed	R
Ilex aquifolium	Holly	R
Juncus effusus	Soft Rush	R
Lonicera periclymenum	Honeysuckle	R
Luzula sylvatica	**Great Woodrush**	**R**
Mercurialis perennis	**Dog's Mercury**	**R**
Milium effusum	**Wood Millet**	**R**
Persicaria bistorta	Bistort	R
Prunus avium	Wild Cherry	R
Prunus domestica	Plum	R
Rumex obtusifolius	Broad-leaved Dock	R
Rumex sanguineus	Wood Dock	R
Salix caprea	Goat Willow	R
Sambucus nigra	Elder	R
Sorbus aucuparia	Mountain Ash	R
Sorbus aucuparia	Rowan	R
Teucrium scorodonium	Woodsage	R
Vaccinium myrtillus	Bilberry	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN10
Habitat:	Continuous bracken, scattered trees

Species List:

This is an area of more-open canopy on the north-western edge of the woodland. It comprises dense bracken with scattered trees, mainly young and old oaks and birches, there is also some broom in this area.

No species list compiled for this target note area

Target Note:	TN11
Habitat:	Continuous bracken, scattered trees

Species List:

Scientific Name	Common Name	Frequency
Pteridium aquilinum	Bracken	D
Betula pendula	Silver Birch	F
Quercus robur	English Oak	F
Deschampsia flexuosa	Wavy Hair-grass	O
Holcus mollis	Creeping Soft-grass	O
Rubus fruticosus agg.	Bramble	O
Agrostis capillaris	Common Bent	R
Digitalis purpurea	Foxglove	R
Festuca arundinacea	Tall Fescue	R
Geranium robertianum	Herb-Robert	R
Lamiastrum galeobdolon	**Yellow Archangel**	**R**
Milium effusum	**Wood Millet**	**R**
Phalaris arundinacea	Reed Canary-grass	R
Plantago major	Greater Plantain	R
Polygonum aviculare	Knotgrass	R
Rubus idaeus	Raspberry	R
Rumex sanguineus	Wood Dock	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN12
Habitat:	Continuous scrub, standing water

Species List:

Scientific Name	Common Name	Frequency
Rhododendron ponticum	**Rhododendron**	**A**
Deschampsia flexuosa	Wavy Hair-grass	F
Acer pseudoplatanus	Sycamore	O
Betula pendula	Silver Birch	O
Holcus mollis	Creeping Soft-grass	O
Quercus robur	English Oak	O
Salix cinerea	Grey Willow	O
Corylus avellana	Hazel	R
Salix caprea	Goat Willow	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN13
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	D
Quercus robur	English Oak	D
Pteridium aquilinum	Bracken	A
Deschampsia flexuosa	Wavy Hair-grass	F
Holcus mollis	Creeping Soft-grass	O
Lonicera periclymenum	Honeysuckle	O
Milium effusum	**Wood Millet**	**O**
Plagiothecium undulatum	Moss species	O
Rhododendron ponticum	**Rhododendron**	**O**
Rubus fruticosus agg.	Bramble	O
Acer pseudoplatanus	Sycamore	R
Heracleum sphondylium	Hogweed	R
Hyacinthoides non-scripta	**Bluebell**	**R**
Ilex aquifolium	Holly	R
Prunus avium	Wild Cherry	R
Sorbus aucuparia	Mountain Ash	R
Sorbus aucuparia	Rowan	R
Urtica dioica	Nettle	R
Vaccinium myrtillus	Bilberry	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN14
Habitat:	Semi-natural broadleaved woodland, running water

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	A
Quercus robur	English Oak	A
Impatiens glandulifera	Himalayan Balsam	F
Milium effusum	**Wood Millet**	**F**
Pteridium aquilinum	Bracken	F
Rubus fruticosus agg.	Bramble	F
Acer pseudoplatanus	Sycamore	O
Agrostis stolonifera	Creeping Bent	O
Hedera helix	Ivy	O
Hyacinthoides non-scripta	**Bluebell**	**O**
Ilex aquifolium	Holly	O
Lamiastrum galeobdolon	**Yellow Archangel**	**O**
Mercurialis perennis	**Dog's Mercury**	**O**
Oxalis acetosella	**Wood Sorrel**	**O**
Sambucus nigra	Elder	O
Sorbus aucuparia	Mountain Ash	O
Arrhenatherum elatius	False Oat-grass	R
Cardamine flexuosa	Wavy Bitter-cress	R
Carex remota	**Remote Sedge**	**R**
Corylus avellana	Hazel	R
Deschampsia cespitosa	Tufted Hair-grass	R
Digitalis purpurea	Foxglove	R
Dryopteris dilatata	Broad Buckler-fern	R
Dryopteris filix-mas	Male-fern	R
Fraxinus excelsior	Ash	R
Geranium robertianum	Herb-Robert	R
Glyceria sp.	Sweet-grass species	R
Heracleum sphondylium	Hogweed	R
Juncus effusus	Soft Rush	R
Malus sylvestris	Crab-apple	R
Melica uniflora	**Wood Melick**	**R**
Ranunculus repens	Creeping Buttercup	R

Rosa arvensis	Field Rose	R
Silene dioica	Red Campion	R
Stellaria media	Chickweed	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN15
Habitat:	Footpath edges

Species List:

Scientific Name	Common Name	Frequency
Agrostis capillaris	Common Bent	
Dactylis glomerata	Cock's-foot	
Holcus mollis	Creeping Soft-grass	
Plantago major	Greater Plantain	
Poa annua	Annual Meadow-grass	
Polygonum aviculare	Knotgrass	

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN26
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Betula pendula	Silver Birch	D
Quercus robur	English Oak	D
Deschampsia flexuosa	Wavy Hair-grass	F
Holcus mollis	Creeping Soft-grass	F
Pteridium aquilinum	Bracken	F
Quercus petraea	**Sessile Oak**	**F**
Agrostis capillaris	Common Bent	O
Betula pubescens	Downy Birch	O
Holcus lanatus	Yorkshire-fog	O
Stellaria holostea	**Greater Stitchwort**	**O**
Acer campestre	Field Maple	R
Alnus glutinosa	Alder	R
Angelica sylvestris	Wild Angelica	R
Anthriscus sylvestris	Cow Parsley	R
Castanea sativa	Sweet Chestnut	R
Chamerion angustifolium	Rosebay Willowherb	R
Corylus avellana	Hazel	R
Cytisus scoparius	Broom	R
Dactylis glomerata	Cock's-foot	R
Digitalis purpurea	Foxglove	R
Elymus caninus	Bearded Couch	R
Galeopsis tetrahit	Common Hemp-nettle	R
Glechoma hederacea	Ground-ivy	R
Hedera helix	Ivy	R
Heracleum sphondylium	Hogweed	R
Hieracium sp.	Hawkweed species	R
Hyacinthoides non-scripta	**Bluebell**	**R**
Hypochaeris radicata	Common Cat's-ear	R
Ilex aquifolium	Holly	R
Luzula sylvatica	**Great Woodrush**	**R**
Melica uniflora	**Wood Melick**	**R**
Milium effusum	**Wood Millet**	**R**
Persicaria hydropiper	Water-pepper	R
Plantago major	Greater Plantain	R
Polygonum aviculare	Knotgrass	R
Polytrichum sp.	Moss species	R
Rosa arvensis	Field Rose	R
Rubus fruticosus agg.	Bramble	R

Rumex sanguineus	Wood Dock	R
Sambucus nigra	Elder	R
Senecio jacobaea	Ragwort	R
Silene dioica	Red Campion	R
Solanum dulcamara	Bittersweet	R
Stellaria media	Chickweed	R
Teucrium scorodonium	Woodsage	R
Urtica dioica	Nettle	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN27
Habitat:	Acid grassland, bare ground, heath, semi-natural broad-leaved woodland

Species List:

Scientific Name	Common Name	Frequency
Agrostis capillaris	Common Bent	A
Calluna vulgaris	Heather	F
Hypochaeris radicata	Common Cat's-ear	O
Leontodon autumnalis	Autumn Hawkbit	O
Nardus stricta	Mat-grass	O
Pteridium aquilinum	Bracken	O
Quercus robur	English Oak	O
Betula pendula	Silver Birch	R
Betula pubescens	Downy Birch	R
Cirsium arvense	Creeping Thistle	R
Festuca ovina	Sheep's Fescue	R
Hieracium sp.	Hawkweed species	R
Juncus effusus	Soft Rush	R
Lolium perenne	Ryegrass	R
Persicaria maculosa	Redshank	R
Plantago lanceolata	Ribwort Plantain	R
Poa annua	Annual Meadow-grass	R
Potentilla erecta	Tormentil	R
Senecio vulgaris	Groundsel	R
Sonchus asper	Prickly Sow-thistle	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN28
Habitat:	Semi-natural broadleaved woodland

Species List:

Scientific Name	Common Name	Frequency
Alnus glutinosa	Alder	A
Rubus fruticosus agg.	Bramble	F
Salix fragilis	Crack Willow	F
Urtica dioica	Nettle	F
Angelica sylvestris	Wild Angelica	O
Betula pendula	Silver Birch	O
Holcus lanatus	Yorkshire-fog	O
Quercus robur	English Oak	O
Ranunculus repens	Creeping Buttercup	O
Salix caprea	Goat Willow	O
Salix cinerea	Common Sallow	O
Tussilago farfara	Colt's-foot	O
Cirsium palustre	Marsh Thistle	R
Dryopteris filix-mas	Male-fern	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Target Note:	TN29
Habitat:	Semi-natural broadleaved woodland, continuous bracken

Species List:

This area has a similar species mix to that of TN26 but is a more recently developed, the groundflora is dominated by bracken.

No species list compiled for this target note area

Target Note:	TN30
Habitat:	Modified neutral grassland

Species List:

Scientific Name	Common Name	Frequency
Arrhenatherum elatius	False Oat-grass	D
Pteridium aquilinum	Bracken	A
Chamerion angustifolium	Rosebay Willowherb	F
Agrostis capillaris	Common Bent	O
Anthriscus sylvestris	Cow Parsley	O
Cirsium arvense	Creeping Thistle	O
Cytisus scoparius	Broom	R
Plantago major	Greater Plantain	R
Polygonum aviculare	Knotgrass	R
Rumex obtusifolius	Broad-leaved Dock	R
Sambucus nigra	Elder	R
Teucrium scorodonium	Woodsage	R
Trifolium pratense	Red Clover	R
Trifolium repens	White Clover	R

D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare

Management Issues:

The mature woodland in the larger north and east section of the site appears to be sustaining itself in the long-term and has advanced eastwards across the former open habitats of Houghton Common.

Some small-scale management has taken place around the small pond (TN12).

The woodland generally needs a watching brief and intervention when necessary for safety reasons.

Rakes Wood is outside the ownership of Barnsley Council and is suffering from erosion and disturbance by vehicles. Ideally the boundaries should be made impermeable to such use.

Diversity:

Despite the apparent uniformity of the vegetation across this large site, a total of 130 vascular plants were recorded during the 2010 fieldwork, illustrating the presence of a range of ancient woodland indicator species. The loss of Houghton Common to woodland development probably represents a diminution of local diversity.

Naturalness:

The woodlands show few obvious signs of management and, apart from the vehicle-disturbed Rakes Wood, present a natural appearance.

The extension of woodland cover over the former Houghton Common shows natural processes in action.

Rare or Exceptional Features:

The large extent of this acidic woodland is one of its notable features.

Fragility:

The oak and birch woodland appears to be robust and self-sustaining, although the incursions made into Rakes Wood show its fragility when subjected to uncontrolled disturbance by off-road vehicles (both two-wheeled and four-wheeled).

Typicalness:

The mix of oak and birch species found here is typical of woodlands found on the acidic conditions that prevail over this area. The woodlands would readily spread well beyond its present bounds if neighbouring land was left unmanaged.

Recorded History & Cultural Associations:

West Haigh Wood is on the ancient woodland register and there may be old estate records giving some details of its history. It is likely that the woodland did play an important role in the local economy at some stage.

A system of banks can be discerned in places and at least one internal boundary was marked by a stone wall, now ruinous.

Connectivity within the Landscape:

The dominant land use surrounding the site is arable, with fields and hedgerows abutting the site edges on most sides. There is good habitat connectivity to the local landscape, with hedgerows forming many of the field boundaries. Part of the residential area of Grimethorpe lies just north of Rakes Wood and to the west of this is Carlton Main Brickwork's quarry. Howell Wood Country Park lies less than 1km to the east.

Value for appreciation of Nature and Learning:

West Haigh Wood is totally open and accessible, despite the scarcity of public rights of way through this area, due to a well-established network of informal paths.

The younger woodland formed over Houghton Common is generally dense and impenetrable and is not very accessible.

Rakes Wood has many paths and tracks, but these are disturbed by vehicular use.

This site is very suitable for large scale visits by school groups wishing to experience woodland habitats.

Recommendations:

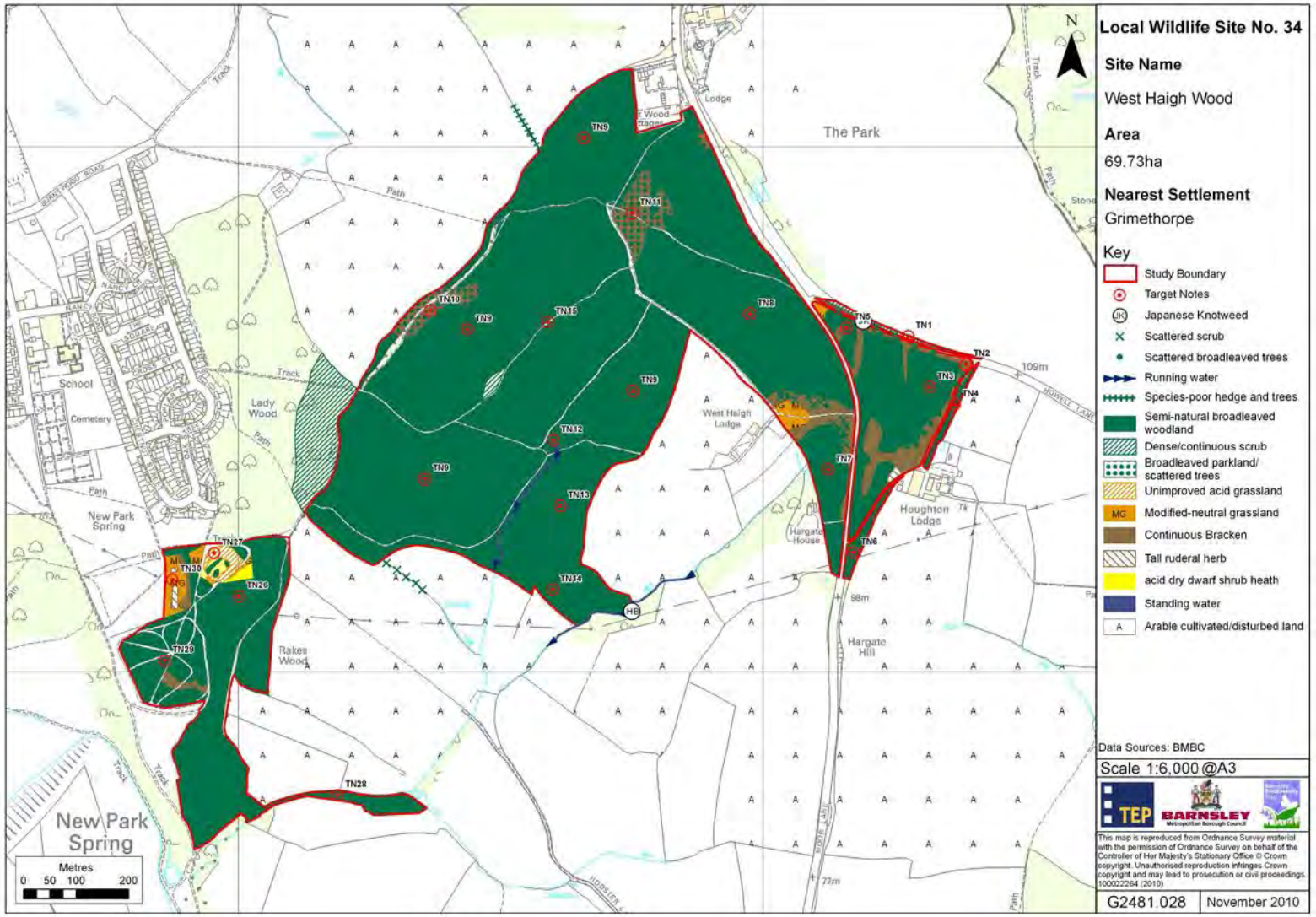
Much of this site is recognised as ancient woodland, appearing on Natural England's Ancient Woodland Inventory. This area also contains nine of the South Yorkshire ancient woodland indicator species. Surveys carried out earlier may reveal a further increase in this number.

The woodland adjacent to the north west boundary (Lady Wood) is also recognised as ancient woodland on the inventory, but is not registered as a Local Wildlife Site. West Haigh Wood should be retained as a Local Wildlife Site and Lady Wood should be included within the LWS (or adopted separately), subject to survey.

Consider reverting the Houghton Common part of the site back to lowland heathland (a LBAP habitat).

Action:

Retain as a Local Wildlife Site
Consider reverting the Houghton Common part of the site back to heathland
Carry out survey for Lady Wood and consider adoption as a LWS


Local Wildlife Site No. 34
Site Name
West Haigh Wood
Area
69.73ha
Nearest Settlement
Grimethorpe
Key
Study Boundary
Target Notes
Japanese Knotweed
Scattered scrub
Scattered broadleaved trees
Running water
Species-poor hedge and trees
Semi-natural broadleaved woodland
Dense/continuous scrub
Broadleaved parkland/ scattered trees
Unimproved acid grassland
Modified-neutral grassland
Continuous Bracken
Tall ruderal herb
acid dry dwarf shrub heath
Standing water
Arable cultivated/disturbed land
Data Sources: BMBC
Scale 1:6,000 @A3
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G2481.028
November 2010
The Park
West Haigh Lodge
Houghton Lodge
Hargate House
Hargate Hill
Lady Wood
Rakes Wood
New Park Spring
School
Cemetery
Metres
0 50 100 200

ecus
ENVIRONMENTAL CONSULTANTS

Appendix 5.1 Biological Data Consultation
Doncaster Biological Record Centre

Doncaster Local Record Centre - Species Records by Location

Note - Data can only be used for legitimate purposes and those requesting it are required to respect our confidentiality standards. Copyright on a record remains with the originator of that record.

ECUS data search - 2.5km radius on SE437077...Sites in alphabetical order.

Location: Challenger Wood and Spring Wood (UDP 6.2)

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE443081	Acer campestre	Field Maple	18/05/2005	FEP-001
SE443081	Betula pendula	Silver Birch	18/05/2005	FEP-001
SE443081	Betula pendula	Silver Birch	07/10/1997	FEP-001
SE443081	Columba palumbus	Woodpigeon	07/10/1997	BirdsDir-A2.1
SE443081	Corvus frugilegus	Rook	07/10/1997	BirdsDir-A2.2
SE443081	Corylus avellana	Hazel	18/05/2005	FEP-001
SE443081	Corylus avellana	Hazel	07/10/1997	FEP-001
SE443081	Crataegus monogyna	Hawthorn	07/10/1997	FEP-001
SE443081	Crataegus monogyna	Hawthorn	18/05/2005	FEP-001
SE443081	Fagus sylvatica	Beech	18/05/2005	FEP-001
SE443081	Fagus sylvatica	Beech	07/10/1997	FEP-001
SE443081	Fraxinus excelsior	Ash	18/05/2005	FEP-001
SE443081	Hyacinthoides non-scripta	Bluebell	07/10/1997	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE443081	Hyacinthoides non-scripta	Bluebell	18/05/2005	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE443081	Ilex aquifolium	Holly	18/05/2005	FEP-001
SE443081	Ilex aquifolium	Holly	07/10/1997	FEP-001
SE443081	Pinus sylvestris	Scots Pine	18/05/2005	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE443081	Pinus sylvestris	Scots Pine	07/10/1997	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS

SE443081	Populus alba x tremula = P. x canescens	Grey Poplar	18/05/2005	FEP-001
SE443081	Prunus avium	Wild Cherry	18/05/2005	FEP-001
SE443081	Quercus petraea x robur = Q. x rosacea	Hybrid Oak	07/10/1997	FEP-001, Scottish Biodiversity List
SE443081	Quercus petraea x robur = Q. x rosacea	Hybrid Oak	18/05/2005	FEP-001, Scottish Biodiversity List
SE443081	Quercus robur	Pedunculate Oak	18/05/2005	FEP-001, Scottish Biodiversity List
SE443081	Rosa arvensis	Field Rose	18/05/2005	FEP-001
SE443081	Rosa canina	Dog-rose	18/05/2005	FEP-001
SE443081	Salix caprea	Goat Willow	07/10/1997	FEP-001
SE443081	Sambucus nigra	Elder	07/10/1997	FEP-001
SE443081	Sambucus nigra	Elder	18/05/2005	FEP-001
SE443081	Sorbus aucuparia	Rowan	18/05/2005	FEP-001
SE443081	Tilia platyphyllos x cordata = T. x europaea	Tilia x vulgaris	18/05/2005	Doncaster LBAP 2007, FEP-001, Status-NS
SE443081	Ulmus glabra	Wych Elm	18/05/2005	FEP-001

Location: Clayton area 4507

Grid Ref	*Scientific Name*	*Common Name*	*Date*	*Rarity, Conservation and Legislative Status*
SE4507	Acer campestre	Field Maple	22/06/1977	FEP-001
SE4507	Acer campestre	Field Maple	07/10/1981	FEP-001
SE4507	Anthemis cotula	Stinking Chamomile	22/06/1977	Doncaster LBAP 2007, FEP-007_tab3, RedList_GB_post2001-VU
SE4507	Cirsium arvense	Creeping Thistle	22/06/1977	Scottish Biodiversity List
SE4507	Cirsium arvense	Creeping Thistle	07/10/1981	Scottish Biodiversity List
SE4507	Cirsium arvense	Creeping Thistle	10/06/1975	Scottish Biodiversity List
SE4507	Cirsium vulgare	Spear Thistle	22/06/1977	Scottish Biodiversity List
SE4507	Cirsium vulgare	Spear Thistle	07/10/1981	Scottish Biodiversity List
SE4507	Coccothraustes coccothraustes	Hawfinch	17/11/1984	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42

SE4507	Coccothraustes coccothraustes	Hawfinch	01/01/1986	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4507	Coccothraustes coccothraustes	Hawfinch	07/12/1985	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4507	Corylus avellana	Hazel	07/10/1981	FEP-001
SE4507	Crataegus monogyna	Hawthorn	10/06/1975	FEP-001
SE4507	Crataegus monogyna	Hawthorn	07/10/1981	FEP-001
SE4507	Crataegus monogyna	Hawthorn	22/06/1977	FEP-001
SE4507	Euphorbia helioscopia	Sun Spurge	07/10/1981	ECCITES-B, Scottish Biodiversity List
SE4507	Fraxinus excelsior	Ash	22/06/1977	FEP-001
SE4507	Fraxinus excelsior	Ash	07/10/1981	FEP-001
SE4507	Ilex aquifolium	Holly	07/10/1981	FEP-001
SE4507	Juglans regia	Walnut	07/10/1981	FEP-001
SE4507	Juglans regia	Walnut	07/10/1981	FEP-001
SE4507	Ligustrum vulgare	Wild Privet	07/10/1981	FEP-001
SE4507	Populus alba x tremula = P. x canescens	Grey Poplar	07/10/1981	FEP-001
SE4507	Populus nigra subsp. betulifolia	Black Poplar	22/06/1977	FEP-001, Scottish Biodiversity List
SE4507	Prunus spinosa	Blackthorn	07/10/1981	FEP-001
SE4507	Prunus spinosa	Blackthorn	22/06/1977	FEP-001
SE4507	Quercus cerris	Turkey Oak	22/06/1977	Scottish Biodiversity List
SE4507	Quercus cerris	Turkey Oak	07/10/1981	Scottish Biodiversity List
SE4507	Quercus robur	Pedunculate Oak	07/10/1981	FEP-001, Scottish Biodiversity List
SE4507	Rosa	Rose	22/06/1977	FEP-001
SE4507	Rosa arvensis	Field Rose	07/10/1981	FEP-001
SE4507	Salix caprea	Goat Willow	07/10/1981	FEP-001
SE4507	Salix fragilis	Crack Willow	07/10/1981	FEP-001
SE4507	Sambucus nigra	Elder	07/10/1981	FEP-001
SE4507	Ulmus glabra	Wych Elm	07/10/1981	FEP-001
SE4507	Ulmus glabra	Wych Elm	22/06/1977	FEP-001
SE4507	Ulmus procera	English Elm	22/06/1977	FEP-001
SE4507	Ulmus procera	English Elm	07/10/1981	FEP-001

Location: Clayton area 4508

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE4508	Acer campestre	Field Maple	22/06/1977	FEP-001
SE4508	Alnus glutinosa	Alder	22/06/1977	FEP-001
SE4508	Cirsium arvense	Creeping Thistle	22/06/1977	Scottish Biodiversity List
SE4508	Cirsium palustre	Marsh Thistle	22/06/1977	Scottish Biodiversity List
SE4508	Cirsium vulgare	Spear Thistle	22/06/1977	Scottish Biodiversity List
SE4508	Corylus avellana	Hazel	22/06/1977	FEP-001
SE4508	Crataegus monogyna	Hawthorn	22/06/1977	FEP-001
SE4508	Fallopia japonica	Japanese Knotweed		Environment Acts
SE4508	Fraxinus excelsior	Ash	22/06/1977	FEP-001
SE4508	Hyacinthoides non-scripta	Bluebell	22/06/1977	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE4508	Ilex aquifolium	Holly	22/06/1977	FEP-001
SE4508	Prunus spinosa	Blackthorn	22/06/1977	FEP-001
SE4508	Rosa	Rose	22/06/1977	FEP-001
SE4508	Sambucus nigra	Elder	22/06/1977	FEP-001
SE4508	Ulex europaeus	Gorse	22/06/1977	FEP-001

Location: Howell House area 4407

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE4407	Acer campestre	Field Maple	10/06/1975	FEP-001
SE4407	Cirsium arvense	Creeping Thistle	10/06/1975	Scottish Biodiversity List
SE4407	Crataegus monogyna	Hawthorn	10/06/1975	FEP-001
SE4407	Fagus sylvatica	Beech	10/06/1975	FEP-001
SE4407	Fallopia japonica	Japanese Knotweed		Environment Acts
SE4407	Fraxinus excelsior	Ash	10/06/1975	FEP-001
SE4407	Ilex aquifolium	Holly	10/06/1975	FEP-001
SE4407	Populus alba x tremula = P. x canescens	Grey Poplar	10/06/1975	FEP-001
SE4407	Prunus avium	Wild Cherry	10/06/1975	FEP-001

SE4407	Prunus spinosa	Blackthorn	10/06/1975	FEP-001
SE4407	Quercus robur	Pedunculate Oak	10/06/1975	FEP-001, Scottish Biodiversity List
SE4407	Rosa	Rose	10/06/1975	FEP-001
SE4407	Salix fragilis	Crack Willow	10/06/1975	FEP-001
SE4407	Sambucus nigra	Elder	10/06/1975	FEP-001
SE4407	Sinapis arvensis	Charlock	10/06/1975	Scottish Biodiversity List
SE4407	Tilia platyphyllos x cordata = T. x europaea	Tilia x vulgaris	10/06/1975	Doncaster LBAP 2007, FEP-001, Status-NS

Location: Howell House area 4408

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE4408	Acer campestre	Field Maple	22/06/1977	FEP-001
SE4408	Betula pendula	Silver Birch	10/06/1975	FEP-001
SE4408	Cirsium arvense	Creeping Thistle	22/06/1977	Scottish Biodiversity List
SE4408	Cirsium arvense	Creeping Thistle	10/06/1975	Scottish Biodiversity List
SE4408	Corylus avellana	Hazel	22/06/1977	FEP-001
SE4408	Corylus avellana	Hazel	10/06/1975	FEP-001
SE4408	Crataegus monogyna	Hawthorn	22/06/1977	FEP-001
SE4408	Crataegus monogyna	Hawthorn	10/06/1975	FEP-001
SE4408	Fagus sylvatica	Beech	10/06/1975	FEP-001
SE4408	Filago vulgaris	Common Cudweed	22/06/1977	Doncaster LBAP 2007, RedList_GB_post2001-NT, Scottish Biodiversity List
SE4408	Fraxinus excelsior	Ash	22/06/1977	FEP-001
SE4408	Hyacinthoides non-scripta	Bluebell	10/06/1975	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE4408	Prunus spinosa	Blackthorn	22/06/1977	FEP-001
SE4408	Quercus robur	Pedunculate Oak	10/06/1975	FEP-001, Scottish Biodiversity List
SE4408	Quercus robur	Pedunculate Oak	22/06/1977	FEP-001, Scottish Biodiversity List
SE4408	Rosa	Rose	10/06/1975	FEP-001
SE4408	Rosa	Rose	22/06/1977	FEP-001
SE4408	Salix fragilis	Crack Willow	22/06/1977	FEP-001
SE4408	Sambucus nigra	Elder	22/06/1977	FEP-001

SE4408	Sambucus nigra	Elder	10/06/1975	FEP-001
SE4408	Spergula arvensis	Corn Spurrey	10/06/1975	Doncaster LBAP 2007, RedList_GB_post2001-VU
SE4408	Ulex europaeus	Gorse	22/06/1977	FEP-001
SE4408	Ulex europaeus	Gorse	10/06/1975	FEP-001
SE4408	Ulmus glabra	Wych Elm	22/06/1977	FEP-001

Location: Howell Wood (grassland at SE443092)

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE443092	Campanula rotundifolia	Harebell	01/01/1980	Scottish Biodiversity List
SE443092	Cirsium arvense	Creeping Thistle	01/01/1980	Scottish Biodiversity List
SE443092	Cirsium palustre	Marsh Thistle	01/01/1980	Scottish Biodiversity List
SE443092	Mentha arvensis	Corn Mint	01/01/1980	Scottish Biodiversity List
SE443092	Primula veris	Cowslip	01/01/1980	FEP-007_tab2
SE443092	Viola canina	Heath Dog-Violet	01/01/1980	Doncaster LBAP 2007, RedList_GB_post2001-NT

Location: Howell Wood (UDP 6.1)

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE4309	Andrena (Melandrena) cineraria	Grey Mining Bee	01/01/1998	Scottish Biodiversity List
SE4309	Andrena (Melandrena) cineraria	Grey Mining Bee	01/01/2000	Scottish Biodiversity List
SE4309	Coccothraustes coccothraustes	Hawfinch	10/07/1983	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	01/01/1998	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	07/07/1984	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	01/12/1985	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42

SE4309	Coccothraustes coccothraustes	Hawfinch	01/06/1983	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	01/08/1983	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	05/12/1986	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	03/01/1996	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	15/05/1996	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	09/12/1984	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	10/04/1997	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	01/05/1997	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	07/06/1997	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Coccothraustes coccothraustes	Hawfinch	22/06/1991	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE4309	Crossocerus (Crossocerus) palmipes	Crossocerus palmipes	01/01/1987	Doncaster LBAP 2007, Notable-B
SE4309	Ectemnius (Hypocrabro) continuus	Ectemnius continuus	01/01/1985	Scottish Biodiversity List
SE4309	Lasioglossum (Evylaeus) villosulum	Shaggy Mining Bee	01/01/2000	Scottish Biodiversity List
SE4309	Nomada lathburiana	Nomada lathburiana	01/01/2000	Doncaster LBAP 2007, RedList_GB_Pre94-
SE4309	Nomada lathburiana	Nomada lathburiana	01/01/1998	Doncaster LBAP 2007, RedList_GB_Pre94-

SE4309	Nomada leucophthalma	Nomada leucophthalma	01/01/2003	Scottish Biodiversity List
SE4309	Priocnemis (Priocnemis) cordivalvata	Priocnemis cordivalvata	01/01/1997	Doncaster LBAP 2007, Notable-B
SE4309	Priocnemis (Priocnemis) schioedtei	Priocnemis schioedtei	01/01/1987	Notable-B, Scottish Biodiversity List
SE4309	Sphecodes gibbus	Sphecodes gibbus	01/01/2000	Scottish Biodiversity List
SE4309	Stigmus solskyi	Stigmus solskyi	01/01/1986	Doncaster LBAP 2007
SE437095	Acrotrichis (Acrotrichis) strandi	Acrotrichis strandi	01/01/1977	Notable
SE437095	Adscita statices	Forester	01/01/1985	BAP-2007, England NERC S.41, Scottish Biodiversity List, Wales NERC S.42
SE437095	Alnus glutinosa	Alder	07/05/1997	FEP-001
SE437095	Alnus glutinosa	Alder	09/07/1977	FEP-001
SE437095	Alnus glutinosa	Alder	01/01/1979	FEP-001
SE437095	Alnus glutinosa	Alder	01/01/1981	FEP-001
SE437095	Alnus glutinosa	Alder	23/05/2005	FEP-001
SE437095	Arvicola amphibius	European Water Vole	01/01/1981	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, WACA-Sch5_sect9.1(kill/injuring), WACA-Sch5_sect9.1(taking), WACA-Sch5_sect9.2, WACA-Sch5_sect9.4a, WACA-Sch5_sect9.4b, WACA-Sch5_sect9.5a, WACA-Sch5_sect9.5b, WAC
SE437095	Arvicola amphibius	European Water Vole	01/01/1982	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, WACA-Sch5_sect9.1(kill/injuring), WACA-Sch5_sect9.1(taking), WACA-Sch5_sect9.2, WACA-Sch5_sect9.4a, WACA-Sch5_sect9.4b, WACA-Sch5_sect9.5a, WACA-Sch5_sect9.5b, WAC

SE437095	Arvicola amphibius	European Water Vole	01/01/1983	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, WACA-Sch5_sect9.1(kill/injuring), WACA-Sch5_sect9.1(taking), WACA-Sch5_sect9.2, WACA-Sch5_sect9.4a, WACA-Sch5_sect9.4b, WACA-Sch5_sect9.5a, WACA-Sch5_sect9.5b, WAC
SE437095	Betula pendula	Silver Birch	23/05/2005	FEP-001
SE437095	Betula pendula	Silver Birch	07/05/1997	FEP-001
SE437095	Betula pendula	Silver Birch	01/01/1981	FEP-001
SE437095	Betula pendula	Silver Birch	01/01/1974	FEP-001
SE437095	Betula pendula	Silver Birch	09/07/1977	FEP-001
SE437095	Betula pendula	Silver Birch	01/01/1979	FEP-001
SE437095	Betula pubescens	Downy Birch	09/07/1977	FEP-001
SE437095	Betula pubescens	Downy Birch	07/05/1997	FEP-001
SE437095	Betula pubescens	Downy Birch	01/01/1974	FEP-001
SE437095	Calluna vulgaris	Heather	09/07/1977	Scottish Biodiversity List
SE437095	Calluna vulgaris	Heather	01/01/1974	Scottish Biodiversity List
SE437095	Calluna vulgaris	Heather	23/05/2005	Scottish Biodiversity List
SE437095	Campanula rotundifolia	Harebell	01/01/1981	Scottish Biodiversity List
SE437095	Campanula rotundifolia	Harebell	01/01/1979	Scottish Biodiversity List
SE437095	Carduelis carduelis	Goldfinch	23/05/2005	Bern-A2
SE437095	Certhia familiaris	Treecreeper	23/05/2005	Bern-A2
SE437095	Cheilosia mutabilis	Cheilosia mutabilis	15/07/1985	Notable
SE437095	Cirsium arvense	Creeping Thistle	01/01/1974	Scottish Biodiversity List
SE437095	Cirsium arvense	Creeping Thistle	09/07/1977	Scottish Biodiversity List
SE437095	Cirsium arvense	Creeping Thistle	01/01/1979	Scottish Biodiversity List
SE437095	Cirsium arvense	Creeping Thistle	01/01/1981	Scottish Biodiversity List
SE437095	Cirsium palustre	Marsh Thistle	01/09/2002	Scottish Biodiversity List
SE437095	Cirsium palustre	Marsh Thistle	09/07/1977	Scottish Biodiversity List
SE437095	Cirsium palustre	Marsh Thistle	01/01/1979	Scottish Biodiversity List
SE437095	Cirsium palustre	Marsh Thistle	01/01/1981	Scottish Biodiversity List
SE437095	Cirsium palustre	Marsh Thistle	01/01/1981	Scottish Biodiversity List
SE437095	Cirsium vulgare	Spear Thistle	01/01/1979	Scottish Biodiversity List

SE437095	Cirsium vulgare	Spear Thistle	01/01/1981	Scottish Biodiversity List
SE437095	Columba palumbus	Woodpigeon	23/05/2005	BirdsDir-A2.1
SE437095	Corylus avellana	Hazel	01/01/1974	FEP-001
SE437095	Corylus avellana	Hazel	09/07/1977	FEP-001
SE437095	Corylus avellana	Hazel	01/01/1979	FEP-001
SE437095	Corylus avellana	Hazel	07/05/1997	FEP-001
SE437095	Corylus avellana	Hazel	01/01/1981	FEP-001
SE437095	Corylus avellana	Hazel	23/05/2005	FEP-001
SE437095	Crataegus monogyna	Hawthorn	09/07/1977	FEP-001
SE437095	Crataegus monogyna	Hawthorn	23/05/2005	FEP-001
SE437095	Crataegus monogyna	Hawthorn	01/01/1974	FEP-001
SE437095	Crataegus monogyna	Hawthorn	01/01/1981	FEP-001
SE437095	Crataegus monogyna	Hawthorn	07/05/1997	FEP-001
SE437095	Crataegus monogyna	Hawthorn	01/01/1979	FEP-001
SE437095	Crossocerus (Blepharipus) megacephalus	Crossocerus megacephalus	03/08/1986	Scottish Biodiversity List
SE437095	Crossocerus (Hoplocrabro) quadrimaculatus	4-Spotted Digger Wasp	06/08/1985	Scottish Biodiversity List
SE437095	Cuculus canorus	Cuckoo	07/05/1997	BAP-2007, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Wales NERC S.42
SE437095	Cuculus canorus	Cuckoo	23/05/2005	BAP-2007, Bird-Red, Doncaster LBAP 2007, England NERC S.41, Wales NERC S.42
SE437095	Cyanistes caeruleus	Blue Tit	23/05/2005	Bern-A2
SE437095	Cytisus scoparius	Broom	01/01/1979	FEP-001
SE437095	Cytisus scoparius	Broom	01/01/1981	FEP-001
SE437095	Dactylorhiza praetermissa	Southern Marsh-orchid	20/06/2009	ECCITES-B
SE437095	Dendrocopos major	Great Spotted Woodpecker	23/05/2005	Bern-A2
SE437095	Ectemnius (Clytochrysus) ruficornis	Ectemnius ruficornis	15/07/1986	Doncaster LBAP 2007, Notable-B
SE437095	Emberiza citrinella	Yellowhammer	23/05/2005	BAP-2007, Bern-A2, Bird-Red, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Wales NERC S.42
SE437095	Erinaceus europaeus	West European Hedgehog	01/01/1981	BAP-2007, England NERC S.41, Wales NERC S.42

SE437095	Erinaceus europaeus	West European Hedgehog	01/01/1979	BAP-2007, England NERC S.41, Wales NERC S.42
SE437095	Erithacus rubecula	Robin	07/05/1997	Bern-A2, Scottish Biodiversity List
SE437095	Erithacus rubecula	Robin	23/05/2005	Bern-A2, Scottish Biodiversity List
SE437095	Evagetes crassicornis	Evagetes crassicornis	17/08/1986	Scottish Biodiversity List
SE437095	Fagus sylvatica	Beech	01/01/1981	FEP-001
SE437095	Fagus sylvatica	Beech	23/05/2005	FEP-001
SE437095	Fagus sylvatica	Beech	01/01/1974	FEP-001
SE437095	Fagus sylvatica	Beech	09/07/1977	FEP-001
SE437095	Fagus sylvatica	Beech	07/05/1997	FEP-001
SE437095	Fagus sylvatica	Beech	01/01/1979	FEP-001
SE437095	Fallopia convolvulus	Black Bindweed	09/07/1977	Scottish Biodiversity List
SE437095	Frangula alnus	Alder Buckthorn	20/06/2009	FEP-001, FEP-007_tab2
SE437095	Fraxinus excelsior	Ash	01/01/1981	FEP-001
SE437095	Fraxinus excelsior	Ash	07/05/1997	FEP-001
SE437095	Fraxinus excelsior	Ash	01/01/1979	FEP-001
SE437095	Fraxinus excelsior	Ash	09/07/1977	FEP-001
SE437095	Fraxinus excelsior	Ash	01/01/1974	FEP-001
SE437095	Fraxinus excelsior	Ash	23/05/2005	FEP-001
SE437095	Gallinula chloropus	Moorhen	23/05/2005	BirdsDir-A2.2, CMS_A2
SE437095	Garrulus glandarius	Jay	23/05/2005	BirdsDir-A2.2
SE437095	Hyacinthoides non-scripta	Bluebell	09/07/1977	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Hyacinthoides non-scripta	Bluebell	23/05/2005	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Hyacinthoides non-scripta	Bluebell	01/01/1981	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Hyacinthoides non-scripta	Bluebell	01/01/1979	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Hyacinthoides non-scripta	Bluebell	07/05/1997	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Hyacinthoides non-scripta	Bluebell	01/01/1979	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Hyacinthoides non-scripta	Bluebell	01/01/1974	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8

SE437095	Hypochaeris glabra	Smooth Cat's-Ear	07/05/1997	Doncaster LBAP 2007, FEP-007_tab2, RedList_GB_post2001-VU, Scottish Biodiversity List
SE437095	Ilex aquifolium	Holly	23/05/2005	FEP-001
SE437095	Ilex aquifolium	Holly	01/01/1981	FEP-001
SE437095	Ilex aquifolium	Holly	07/05/1997	FEP-001
SE437095	Ilex aquifolium	Holly	01/01/1979	FEP-001
SE437095	Ilex aquifolium	Holly	01/01/1974	FEP-001
SE437095	Ilex aquifolium	Holly	09/07/1977	FEP-001
SE437095	Leopoldius signatus	Leopoldius signatus	07/08/1992	Notable
SE437095	Lepus europaeus	Brown Hare	01/01/1981	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, Wales NERC S.42, Yorks Humb Bio Audit
SE437095	Lepus europaeus	Brown Hare	01/01/1979	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, Wales NERC S.42, Yorks Humb Bio Audit
SE437095	Lepus europaeus	Brown Hare	01/01/1983	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, Wales NERC S.42, Yorks Humb Bio Audit
SE437095	Lepus europaeus	Brown Hare	01/01/1982	BAP-2007, Doncaster LBAP 2007, England NERC S.41, FEP-007_tab2, Scottish Biodiversity List, Wales NERC S.42, Yorks Humb Bio Audit
SE437095	Ligustrum vulgare	Wild Privet	01/01/1979	FEP-001
SE437095	Ligustrum vulgare	Wild Privet	01/01/1981	FEP-001
SE437095	Lithospermum arvense	Field Gromwell	09/07/1977	Doncaster LBAP 2007, FEP-007_tab2, FEP-007_tab3, RedList_GB_post2001-EN
SE437095	Megamerina dolium	Megamerina dolium	29/06/1986	Notable
SE437095	Mentha arvensis	Corn Mint	01/01/1981	Scottish Biodiversity List
SE437095	Mentha arvensis	Corn Mint	01/01/1981	Scottish Biodiversity List
SE437095	Mentha arvensis	Corn Mint	01/01/1979	Scottish Biodiversity List
SE437095	Micromys minutus	Harvest Mouse	01/01/1981	BAP-2007, Doncaster LBAP 2007, England NERC S.41, Wales NERC S.42

SE437095	Micromys minutus	Harvest Mouse	01/01/1982	BAP-2007, Doncaster LBAP 2007, England NERC S.41, Wales NERC S.42
SE437095	Mimumesa dahlbomi	Psen dahlbomi	01/01/1985	Scottish Biodiversity List
SE437095	Neomys fodiens	Eurasian Water Shrew	01/01/1979	Doncaster LBAP 2007
SE437095	Omalus aeneus	Omalus aeneus	01/01/1992	Doncaster LBAP 2007
SE437095	Paradelphomyia fuscula	Paradelphomyia fuscula	01/01/1986	Notable
SE437095	Parus major	Great Tit	23/05/2005	Bern-A2
SE437095	Periparus ater	Coal Tit	23/05/2005	Bern-A2
SE437095	Phylloscopus trochilus	Willow Warbler	23/05/2005	Bird-Amber, Doncaster LBAP 2007
SE437095	Phylloscopus trochilus	Willow Warbler	07/05/1997	Bird-Amber, Doncaster LBAP 2007
SE437095	Pinus sylvestris	Scots Pine	07/05/1997	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE437095	Pinus sylvestris	Scots Pine	23/05/2005	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE437095	Pinus sylvestris	Scots Pine	01/01/1979	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE437095	Pinus sylvestris	Scots Pine	01/01/1981	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE437095	Populus nigra subsp. betulifolia	Black Poplar	01/01/1981	FEP-001, Scottish Biodiversity List
SE437095	Populus nigra subsp. betulifolia	Black Poplar	01/01/1979	FEP-001, Scottish Biodiversity List
SE437095	Populus tremula	Aspen	20/06/2009	FEP-001
SE437095	Populus tremula	Aspen	01/01/1979	FEP-001
SE437095	Populus tremula	Aspen	01/01/1981	FEP-001
SE437095	Primula veris	Cowslip	01/01/1981	FEP-007_tab2
SE437095	Primula veris	Cowslip	01/01/1979	FEP-007_tab2
SE437095	Primula vulgaris	Primrose	01/01/1979	FEP-007_tab2
SE437095	Primula vulgaris	Primrose	01/01/1981	FEP-007_tab2
SE437095	Prunella modularis	Dunnock	23/05/2005	Bern-A2, Bird-Amber, Doncaster LBAP 2007, FEP-007_tab2
SE437095	Prunus padus	Bird Cherry	01/01/1981	FEP-001
SE437095	Prunus padus	Bird Cherry	01/01/1979	FEP-001
SE437095	Prunus spinosa	Blackthorn	09/07/1977	FEP-001
SE437095	Prunus spinosa	Blackthorn	01/01/1979	FEP-001
SE437095	Prunus spinosa	Blackthorn	01/01/1974	FEP-001
SE437095	Prunus spinosa	Blackthorn	01/01/1981	FEP-001

SE437095	Prunus spinosa	Blackthorn	23/05/2005	FEP-001
SE437095	Pyrrhula pyrrhula	Bullfinch	23/05/2005	Bird-Amber, Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Yorks Humb Bio Audit
SE437095	Quercus petraea	Sessile Oak	01/01/1981	FEP-001, Scottish Biodiversity List
SE437095	Quercus petraea	Sessile Oak	01/01/1979	FEP-001, Scottish Biodiversity List
SE437095	Quercus petraea	Sessile Oak	07/05/1997	FEP-001, Scottish Biodiversity List
SE437095	Quercus petraea x robur = Q. x rosacea	Hybrid Oak	23/05/2005	FEP-001, Scottish Biodiversity List
SE437095	Quercus robur	Pedunculate Oak	01/01/1981	FEP-001, Scottish Biodiversity List
SE437095	Quercus robur	Pedunculate Oak	09/07/1977	FEP-001, Scottish Biodiversity List
SE437095	Quercus robur	Pedunculate Oak	01/01/1974	FEP-001, Scottish Biodiversity List
SE437095	Quercus robur	Pedunculate Oak	01/01/1979	FEP-001, Scottish Biodiversity List
SE437095	Regulus regulus	Goldcrest	23/05/2005	Bern-A2, Doncaster LBAP 2007
SE437095	Rosa	Rose	09/07/1977	FEP-001
SE437095	Rosa	Rose	01/01/1974	FEP-001
SE437095	Rosa arvensis	Field Rose	01/01/1979	FEP-001
SE437095	Rosa arvensis	Field Rose	01/01/1981	FEP-001
SE437095	Rosa canina agg.	Dog Rose	01/01/1981	FEP-001
SE437095	Rosa canina agg.	Dog Rose	01/01/1979	FEP-001
SE437095	Rosa canina agg.	Dog Rose	07/05/1997	FEP-001
SE437095	Salix alba	White Willow	01/01/1979	FEP-001
SE437095	Salix alba	White Willow	01/01/1981	FEP-001
SE437095	Salix caprea	Goat Willow	23/05/2005	FEP-001
SE437095	Salix caprea	Goat Willow	01/01/1981	FEP-001
SE437095	Salix caprea	Goat Willow	01/01/1979	FEP-001
SE437095	Salix caprea	Goat Willow	07/05/1997	FEP-001
SE437095	Salix cinerea	Grey Willow	01/09/2002	FEP-001
SE437095	Salix fragilis	Crack Willow	01/01/1981	FEP-001
SE437095	Salix fragilis	Crack Willow	01/01/1979	FEP-001
SE437095	Sambucus nigra	Elder	07/05/1997	FEP-001
SE437095	Sambucus nigra	Elder	23/05/2005	FEP-001
SE437095	Sambucus nigra	Elder	01/01/1979	FEP-001
SE437095	Sambucus nigra	Elder	01/01/1974	FEP-001

SE437095	Sambucus nigra	Elder	09/07/1977	FEP-001
SE437095	Sambucus nigra	Elder	01/01/1981	FEP-001
SE437095	Sinapis arvensis	Charlock	01/01/1974	Scottish Biodiversity List
SE437095	Sinapis arvensis	Charlock	09/07/1977	Scottish Biodiversity List
SE437095	Sinapis arvensis	Charlock	01/01/1979	Scottish Biodiversity List
SE437095	Sinapis arvensis	Charlock	01/01/1981	Scottish Biodiversity List
SE437095	Sorbus aria agg.	Whitebeam	07/05/1997	FEP-001
SE437095	Sorbus aria agg.	Whitebeam	23/05/2005	FEP-001
SE437095	Sorbus aucuparia	Rowan	01/01/1974	FEP-001
SE437095	Sorbus aucuparia	Rowan	01/01/1981	FEP-001
SE437095	Sorbus aucuparia	Rowan	09/07/1977	FEP-001
SE437095	Sorbus aucuparia	Rowan	23/05/2005	FEP-001
SE437095	Sorbus aucuparia	Rowan	07/05/1997	FEP-001
SE437095	Sorbus aucuparia	Rowan	01/01/1979	FEP-001
SE437095	Sorbus intermedia	Swedish Whitebeam	23/05/2005	FEP-001
SE437095	Sorbus intermedia agg.	Whitebeam	07/05/1997	FEP-001
SE437095	Spergula arvensis	Corn Spurrey	01/01/1974	Doncaster LBAP 2007, RedList_GB_post2001-VU
SE437095	Spergula arvensis	Corn Spurrey	01/01/1979	Doncaster LBAP 2007, RedList_GB_post2001-VU
SE437095	Spergula arvensis	Corn Spurrey	01/01/1981	Doncaster LBAP 2007, RedList_GB_post2001-VU
SE437095	Strix aluco	Tawny Owl	23/05/2005	Bern-A2, ECCITES-A
SE437095	Taxus baccata	Yew	01/01/1981	FEP-001
SE437095	Taxus baccata	Yew	23/05/2005	FEP-001
SE437095	Taxus baccata	Yew	07/05/1997	FEP-001
SE437095	Taxus baccata	Yew	01/01/1979	FEP-001
SE437095	Taxus baccata	Yew	09/07/1977	FEP-001
SE437095	Tilia platyphyllos x cordata = T. x europaea	Tilia x vulgaris	01/01/1981	Doncaster LBAP 2007, FEP-001, Status-NS
SE437095	Tilia platyphyllos x cordata = T. x europaea	Tilia x vulgaris	01/01/1979	Doncaster LBAP 2007, FEP-001, Status-NS
SE437095	Troglodytes troglodytes	Wren	23/05/2005	Bern-A2
SE437095	Turdus merula	Blackbird	23/05/2005	BirdsDir-A2.2

SE437095	Turdus merula	Blackbird	07/05/1997	BirdsDir-A2.2
SE437095	Turdus philomelos	Song Thrush	23/05/2005	Bird-Red, BirdsDir-A2.2, Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Yorks Humb Bio Audit
SE437095	Turdus viscivorus	Mistle Thrush	23/05/2005	Bird-Amber, BirdsDir-A2.2, Doncaster LBAP 2007
SE437095	Ulex europaeus	Gorse	01/01/1974	FEP-001
SE437095	Ulex europaeus	Gorse	09/07/1977	FEP-001
SE437095	Ulmus glabra	Wych Elm	09/07/1977	FEP-001
SE437095	Ulmus glabra	Wych Elm	01/01/1981	FEP-001
SE437095	Ulmus glabra	Wych Elm	01/01/1979	FEP-001
SE437095	Ulmus procera	English Elm	23/05/2005	FEP-001
SE437095	Viburnum opulus	Guelder-Rose	01/01/1979	FEP-001
SE437095	Viburnum opulus	Guelder-Rose	23/05/2005	FEP-001
SE437095	Viburnum opulus	Guelder-Rose	01/01/1981	FEP-001
SE437095	Viola canina	Heath Dog-Violet	01/01/1981	Doncaster LBAP 2007, RedList_GB_post2001-NT
SE437095	Viola canina	Heath Dog-Violet	01/01/1979	Doncaster LBAP 2007, RedList_GB_post2001-NT
SE437095	Zootoca vivipara	Common Lizard	04/04/2005	BAP-2007, Doncaster LBAP 2007, England NERC S.41, WACA-Sch5_sect9.1(kill/injuring), WACA-Sch5_sect9.5a, WACA-Sch5_sect9.5b, Wales NERC S.42

Location: ***Howell Wood (UDP 6.1) - LWS 2012 survey areas A111 semi-natural broadleaved woodland***

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Cirsium palustre	Marsh Thistle	30/04/2012	Scottish Biodiversity List
SE437095	Fagus sylvatica	Beech	30/04/2012	FEP-001
SE437095	Fraxinus excelsior	Ash	30/04/2012	FEP-001
SE437095	Hyacinthoides non-scripta	Bluebell	30/04/2012	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Ilex aquifolium	Holly	30/04/2012	FEP-001

SE437095	Quercus petraea x robur = Q. x rosacea	Hybrid Oak	30/04/2012	FEP-001, Scottish Biodiversity List
SE437095	Quercus robur	Pedunculate Oak	30/04/2012	FEP-001, Scottish Biodiversity List
SE437095	Sambucus nigra	Elder	30/04/2012	FEP-001
SE437095	Sorbus aria agg.	Whitebeam	30/04/2012	FEP-001
SE437095	Sorbus aucuparia	Rowan	30/04/2012	FEP-001
SE437095	Taxus baccata	Yew	30/04/2012	FEP-001

Location: Howell Wood (UDP 6.1) - LWS 2012 survey areas A122 coniferous plantation woodland

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Betula pendula	Silver Birch	30/04/2012	FEP-001
SE437095	Ilex aquifolium	Holly	30/04/2012	FEP-001
SE437095	Quercus robur	Pedunculate Oak	30/04/2012	FEP-001, Scottish Biodiversity List

Location: Howell Wood (UDP 6.1) - LWS 2012 survey areas A131 semi-natural mixed woodland

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Fagus sylvatica	Beech	30/04/2012	FEP-001
SE437095	Hyacinthoides non-scripta	Bluebell	30/04/2012	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Ilex aquifolium	Holly	30/04/2012	FEP-001
SE437095	Pinus sylvestris	Scots Pine	30/04/2012	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE437095	Quercus robur	Pedunculate Oak	30/04/2012	FEP-001, Scottish Biodiversity List
SE437095	Sorbus aucuparia	Rowan	30/04/2012	FEP-001

Location: Howell Wood (UDP 6.1) - LWS 2012 survey areas A132 mixed plantation woodland

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Betula pendula	Silver Birch	30/04/2012	FEP-001

SE437095	Fagus sylvatica	Beech	30/04/2012	FEP-001
SE437095	Hyacinthoides non-scripta	Bluebell	30/04/2012	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE437095	Ilex aquifolium	Holly	30/04/2012	FEP-001
SE437095	Pinus sylvestris	Scots Pine	30/04/2012	Doncaster LBAP 2007, FEP-007_tab2, Scottish Biodiversity List, Status-NS
SE437095	Prunus avium	Wild Cherry	30/04/2012	FEP-001
SE437095	Quercus petraea x robur = Q. x rosacea	Hybrid Oak	30/04/2012	FEP-001, Scottish Biodiversity List
SE437095	Sambucus nigra	Elder	30/04/2012	FEP-001
SE437095	Sorbus aucuparia	Rowan	30/04/2012	FEP-001

Location: Howell Wood (UDP 6.1) - LWS 2012 survey areas B11 unimproved acid grassland

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Betula pendula	Silver Birch	30/04/2012	FEP-001
SE437095	Calluna vulgaris	Heather	30/04/2012	Scottish Biodiversity List

Location: Howell Wood (UDP 6.1) - LWS 2012 survey areas G1 standing water

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Alnus glutinosa	Alder	30/04/2012	FEP-001
SE437095	Salix caprea	Goat Willow	30/04/2012	FEP-001

Location: Howell Wood (UDP 6.1) - LWS 2012 survey areas J5 general to site

Grid Ref	Scientific Name	Common Name	Date	Rarity, Conservation and Legislative Status
SE437095	Certhia familiaris	Eurasian Treecreeper	30/04/2012	Bern-A2
SE437095	Cyanistes caeruleus	Blue Tit	30/04/2012	Bern-A2

SE437095	Lacerta agilis	Sand Lizard	30/04/2012	BAP-2007, Bern-A2, England NERC S.41, FEP-007_tab2, HabDir-A4, HabReg-Sch2, Scottish Biodiversity List, WACA-Sch5_sect9.4b, WACA-Sch5_sect9.5a, WACA-Sch5_sect9.5b, WACA-Sch5Sect9.4c, Wales NERC S.42
SE437095	Regulus regulus	Goldcrest	30/04/2012	Bern-A2, Doncaster LBAP 2007

Location: South Kirkby area 4409

Grid Ref	*Scientific Name*	*Common Name*	*Date*	*Rarity, Conservation and Legislative Status*
SE4409	Acer campestre	Field Maple	22/06/1977	FEP-001
SE4409	Alnus glutinosa	Alder	22/06/1977	FEP-001
SE4409	Cirsium arvense	Creeping Thistle	22/06/1977	Scottish Biodiversity List
SE4409	Cirsium palustre	Marsh Thistle	22/06/1977	Scottish Biodiversity List
SE4409	Corylus avellana	Hazel	22/06/1977	FEP-001
SE4409	Crataegus monogyna	Hawthorn	22/06/1977	FEP-001
SE4409	Fraxinus excelsior	Ash	22/06/1977	FEP-001
SE4409	Hyacinthoides non-scripta	Bluebell	22/06/1977	FEP-007_tab2, Scottish Biodiversity List, WACA-Sch8
SE4409	Prunus spinosa	Blackthorn	22/06/1977	FEP-001
SE4409	Quercus robur	Pedunculate Oak	22/06/1977	FEP-001, Scottish Biodiversity List
SE4409	Rosa	Rose	22/06/1977	FEP-001
SE4409	Sambucus nigra	Elder	22/06/1977	FEP-001
SE4409	Ulmus glabra	Wych Elm	22/06/1977	FEP-001
SE4409	Viburnum opulus	Guelder-Rose	22/06/1977	FEP-001

Site Status	Local Wildlife Site		
Site Code	6.1	**Grid Reference**	SE 437092
Site Name	Howell Wood		
Site Owner	Public	**Access**	There is no presumption about Site Access
Site Area (ha)	75.75	**Natural Area**	Coal Measures
Geology	Carboniferous Mudstone		
Soil Type	Permeable loam		
Aspect	Flat	**Exposed Strata**	No

Audit Species Recorded

- Birds: Cuckoo (Cuculus canorus) / Yellowhammer (Emberiza citrinella) / Willow Warbler (Phylloscopus trochilus) / Dunnock (Prunella modularis) / Bullfinch (Pyrrhula pyrrhula) / Goldcrest (Regulus regulus) / Song thrush (Turdus philomelos) / Mistle Thrush (Turdus viscivorus)

- Reptiles: Common lizard (Viviparous Lizard) (Lacerta vivipara)

Habitats Recorded	BW (Semi-natural Broad-leaved Woodland) / PCW (Coniferous Plantation Woodland) / MW (Semi-natural Mixed Woodland) / PMW (Mixed Plantation Woodland) / AG (Unimproved Acid Grassland) / SW (Standing Water) / RW (Running Water)		
NVC Affiliation			
Criteria for LS Designation	WD2 / WD3 / WD5 / GR2 / SM1 / SM2		
Other Designations *(on site or adjoining)*	Greenspace		
Informative *(on site or in locality)*	Himalayan Balsam (Impatiens glandulifera) Broad-Leaved Dock (Rumex obtusifolius)		
Management Assessment *(Single Data List reporting)*		Managed for conservation in last 5years	31st March 2011
Management Plan		Howell Wood Management Plan 2002-2007 (Eamonn Wall & Co for Barnsley MBC)	2002-2007
Management Scheme		Forestry Commission; EWGS	2008- Apr 2013
Advice		None	
HAP/SAP/BAP/GAP			

Site Description at last visit	20/05/05 and 23/05/05

Howell Wood is a large area of woodland managed by Doncaster Metropolitan Borough council as a country park. Planted during the 1700's Howell wood was part of the Burntwood Hall Estate. The site consists of a mosaic of semi-natural woodland habitats with localised stands where the canopy is dominated by a single species, most notably beech (Fagus sylvatica), birch (Betula spp.) and European larch (Larix decidua). There is a relatively small linear area of unimproved acidic grassland, open water and running water with associated localised marshland habitat.

Areas of Howell Wood where mature beech dominates the canopy include the western fringes and the southern tip of the wood. Herb and shrub species are generally more impoverished under the closed canopy. Mature yew (Taxus baccata) dominates a linear strip in the northern end of the wood, adjacent to the car park. Young birch dominated pockets are present in the woodland interior and localised planted coniferous woodland, dominated by either European larch or Scots pine (Pinus sylvestris) are also present here. Mixed woodland (with occasional to frequent larch and Scots pine) is a feature of the woodland however a large part of Howell wood can be classified as broadleaved woodland.

The most abundant canopy species present in the broadleaved habitats include oak sp (Quercus spp), birch, beech, sycamore (Acer pseudoplatanus) and sweet chestnut (Castanea sativa).

The shrub layer communities show a degree of structural variation within the wood and generally represented the canopy species listed above. Occasional rowan (Sorbus aucuparia) and less frequent holly (Ilex aquifolium) are fairly constant throughout. Rhododendron (Rhododendron ponticum) is present throughout and frequently dominates localised areas of the shrub layer. Bramble (Rubus fruticosus agg) shows a similar pattern. Occasional elder (Sambucus nigra), sallow (Salix cinerea), hazel (Corylus avellana), ash (Fraxinus excelsior), alder (Alnus glutinosa) and cherry laurel (Prunus laurocerasus) are also present.

Creeping soft-grass (Holcus mollis) or wood millet (Milium effusum) often dominate the herb layer and bluebell (Hyacinthoides non-scripta) is frequent to abundant throughout. Stands of bracken (Pteridium aquilinum) are also present and may be indicative of more acidic areas, particularly in the very localised areas where wavy hair-grass (Deschampsia flexuosa) is present. Honeysuckle (Lonicera periclymenum) is indicative of the mixed woodland habitats. Less common herb species include yellow archangel (Lamiastrum galeobdolon) and yellow pimpernel (Lysimachia nemorum), with wood-sage (Teucrium scorodonia) dogs mercury (Mercurialis perennis) and wood dock (Rumex sanguineus) rarely recorded.

The unimproved acidic grassland area consists of dominant red fescue (Festuca rubra) frequent heath bedstraw (Galium saxatile), young birch saplings, frequent sheep's sorrel (Rumex acetosella) and occasional sweet vernal grass (Anthoxanthum odoratum), field wood-rush (Luzula campestris) and patchy heather (Calluna vulgaris) or Yorkshire fog (Holcus lanatus) is present. Lichens and mosses are recorded from the dry, sandy areas. Rabbit grazing and the presence of anthills is notable.

Very localised marshland habitats adjacent to running water are typified by abundant creeping buttercup (Ranunculus repens), greater willowherb (Epilobium hirsutum) and occasional yellow flag iris (Iris pseudacorus) and soft-rush (Juncus effusus).

Site Status	Local Wildlife Site		
Site Code	6.2	**Grid Reference**	SE 445081
Site Name	Challenger Wood (with Spring Wood)		
Site Owner	Private	**Access**	There is no presumption about Site Access
Site Area (ha)	15.699	**Natural Area**	Coal Measures
Geology	Carboniferous Mudstone		
Soil Type	Sandy coarse loam		
Aspect	North east facing in part	**Exposed Strata**	No
Audit Species Recorded			
Habitats Recorded	PBW (Broad-leaved Plantation Woodland) / PCW (Coniferous Plantation Woodland) / PMW (Mixed Plantation Woodland) / W (Wall)		
NVC Affiliation			
Criteria for LS Designation	WD2 / WD5		
Other Designations *(on site or adjoining)*			
Informative *(on site or in locality)*	Broad-Leaved Dock (Rumex obtusifolius)		
Management Assessment *(Single Data List reporting)*	Management Unknown	31st March 2011	
Management Plan			
Management Scheme			
Advice	None		
HAP/SAP/BAP/GAP			

Site Description at last visit	18/05/05

This irregularly shaped site is primarily deciduous plantation with enclaves of coniferous and mixed plantations. The most abundant canopy species is beech (Fagus sylvatica), generally mature and even-aged, but showing quite plentiful regeneration in places. Pedunculate oak (Quercus robur), hybrid oak (Quercus x rosacea) and sycamore (Acer pseudoplatanus) are also locally abundant to locally frequent and showing reasonable regeneration. Other deciduous species are scattered to occasional and include field maple (Acer campestre), silver birch (Betula pendula), sweet chestnut (Castanea sativa), ash (Fraxinus excelsior), grey poplar (Populus x canadensis var. serotina), rowan (Sorbus aucuparia), wych elm (Ulmus glabra) and common lime (Tilia x vulgaris) - some of these species are also showing regeneration. There is some dead fallen timber.

The shrub layer is patchy and absent under beech and conifers, but does contain locally abundant holly (Ilex aquifolium), occasional hawthorn (Crataegus monogyna), hazel (Corylus avellana) and elder (Sambucus nigra).

The planted conifers comprise mature Scots and Corsican Pine, (Pinus sylvestris, Pinus nigra), either in compartments or interspersed with deciduous stock, and European larch (Larix decidua) at a young or intermediate growth stage.

The herb layer throughout much of the site is dominated by creeping soft grass (Holcus mollis), with widespread wood millet (Milium effusum), locally abundant bramble (Rubus fruticosus), bluebell (Hyacinthoides non-scripta), locally frequent yellow archangel (Lamiastrum galeobdolon), locally abundant bracken (Pteridium aquilinum) and frequent broad buckler fern (Dryopteris dilatata). Ivy is locally frequent (Hedera helix) on trees and on the ground. Other herbs and climbers of occasional to locally frequent occurrence include honeysuckle (Lonicera periclymenum), greater stitchwort (Stellaria holostea) common dog rose (Rosa canina), red campion (Silene dioica) and, in more disturbed ground, nettle (Urtica dioica), broad-leaved dock (Rumex obtusifolius), wood dock (Rumex sanguineus), wood sorrel (Oxalis acetosella), wood speedwell (Veronica montana), wood melick (Melica uniflora) and foxglove (Digitalis purpurea).

Damp ground near stream courses has scattered creeping buttercup (Ranunculus repens), wavy bittercress (Cardamine flexuosa), locally frequent remote sedge (Carex remota) and occasional tufted hair grass (Deschampsia cespitosa) and soft rush (Juncus effusus).

ecus
ENVIRONMENTAL CONSULTANTS

Appendix 5.1 Biological Data Consultation
West Yorkshire Ecology

SE435097	Common Toad	*Bufo bufo*	amphibian	15/03/1998	field record	6 Count of Adult	Sch5_sect9.5b; UKBAP; WYBAP
SE435100	Common Toad	*Bufo bufo*	amphibian	25/04/1994	field record	4 Count of Adult	Sch5_sect9.5b; UKBAP; WYBAP
SE435097	Common Frog	*Rana temporaria*	amphibian	15/03/1998	field record	25 Count of Spawn	Sch5_sect9.5b; WYBAP
SE4207	Lesser Water-Plantain	*Baldellia ranunculoides*	flowering plant	21/08/1983	field record		RDB:post2001:NT
SE41420651	Water Vole	*Arvicola terrestris*	terrestrial mammal	20/06/2002	field record		Sch5; UKBAP; WYBAP

Appendix 5.2 Target Notes

Target Note	Description
TN1	Area of rank grassland with tall ruderal plant community
TN2	Defunct hedgerow gaps > 10 % of the hedge and occasional scattered immature trees
TN3	Hedgerow with greater than 5 woody species, gaps but collectively not greater than 10% of the length.

Appendix 9.1: Envirocheck Data

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
47204008_1_1

Customer Reference:
4543

National Grid Reference:
443390, 407670

Slice:
A

Site Area (Ha):
0.01

Search Buffer (m):
1000

Site Details:
Fitwilliam Wind Scheme

Client Details:
E CUS
ECUS
Brook Holt
Blackburn Road
Sheffield
S61 2DW

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	-
Sensitive Land Use	12
Data Currency	13
Data Suppliers	17
Useful Contacts	18

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v47.0

Envirocheck®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				1 (*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 2	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 5	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 10		1	1	2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 11	Yes	n/a	n/a	n/a
Mining Instability	pg 11	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 11	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries				n/a	n/a
Fuel Station Entries					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 12	1			1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 12				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 12	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13NE (E)	274	-	443665 407677
1	**Water Abstractions** Operator: Earl Fitzwilliam'S Wentworth Estates Co Licence Number: 2/27/08/037 Permit Version: 100 Location: Borehole - Coal Measures - Great Houghton Barnsley Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1364 Details: Houghton Lodge Farm, Great Houghton, Nr. Barnsley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th December 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	733	1	443300 408400
	Water Abstractions Operator: Major W&Ca Warde-Aldam Licence Number: 2/27/09/004 Permit Version: 100 Location: Howell Springs Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 5000 Details: Frickley Hall, Howell House, Clayton, Nr. Bolton-Upon-Dearne Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	1024	1	444200 408300
	Water Abstractions Operator: Najor W Warde & C A Warde-Aldam Licence Number: 2/27/09/004 Permit Version: Not Supplied Location: Frickley Hall; Frickley, Doncaster & Wink Lodge, Clayton, DONCASTER Authority: Environment Agency, North East Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 14 Yearly Rate (m3): 5000 Details: Licence Status: Active Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	1024	1	444205 408295
	Water Abstractions Operator: Maj W & C A Warde-Aldam Licence Number: 2/27/09/004 Permit Version: Not Supplied Location: Frickley Farm, Howell House, Clayton, BOLTON-UPON-DEARNE Authority: Environment Agency, North East Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 14 Yearly Rate (m3): 5000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	1024	1	444200 408300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Carlton Main Brickworks Ltd Licence Number: 2/27/08/137 Permit Version: 3 Location: Borehole - Coal Measures - Grimethorpe Colliery Authority: Environment Agency, North East Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Grimethorpe Colliery,Shafton,Barnsley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1822	1	441600 408000
	Water Abstractions Operator: A Ogden & Sons Ltd Licence Number: 2/27/08/137 Permit Version: 2 Location: Borehole - Coal Measures - Grimethorpe Colliery Authority: Environment Agency, North East Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Grimethorpe Colliery,Shafton,Barnsley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1822	1	441600 408000
	Water Abstractions Operator: A Ogden & Sons Ltd Licence Number: 2/27/08/137 Permit Version: 1 Location: Borehole - Coal Measures - Grimethorpe Colliery Authority: Environment Agency, North East Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Grimethorpe Colliery,Shafton,Barnsley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1822	1	441600 408000
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 12 Vale of York Scale: 1:100,000	A13NE (N)	0	1	443391 407673
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13NE (N)	0	2	443391 407673
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	10	443391 407673
	Local Authority Landfill Coverage Name: Doncaster Metropolitan Borough Council - Has supplied landfill data		716	11	443996 408056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Upper Westphalian (including Pennant Measures)	A13NE (N)	0	2	443391 407673
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	0	3	443391 407673
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	76	3	443430 407609
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	327	3	443391 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	382	3	443194 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	392	3	443000 407673
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	461	3	442932 407704

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	510	3	443000 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	528	3	443761 407297
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	563	3	443623 407161
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	589	3	443655 407147
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	606	3	442881 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	609	3	444000 407673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	617	3	444000 407576
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	674	3	443391 407000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	687	3	444000 407356
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	691	3	444000 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	717	3	442676 407702
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	739	3	443696 407000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	755	3	442815 408160
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (S)	773	3	443100 406958
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	777	3	444000 407191
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	779	3	443000 407000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SE (SW)	781	3	443000 406998
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	782	3	443000 408350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	782	3	442994 407000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (S)	784	3	443219 406909
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (NE)	856	3	444170 408028
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	908	3	444000 407000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	920	3	442532 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	960	3	442433 407630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9SW (SE)	964	3	444047 406967
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (S)	982	3	443147 406723
2	**BGS Recorded Mineral Sites** Site Name: Houghton Green Location: , Great Houghton, Thurnscoe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37817 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Wickersley Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	82	2	443317 407639
3	**BGS Recorded Mineral Sites** Site Name: Hargate Hill Location: , Great Houghton, Thurnscoe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37820 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	457	2	443145 408058
4	**BGS Recorded Mineral Sites** Site Name: Houghton Green Location: , Great Houghton, Thurnscoe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37818 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	568	2	442967 407296
5	**BGS Recorded Mineral Sites** Site Name: Houghton Common Location: , Great Houghton, Thurnscoe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37819 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Ravenfield Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	989	2	443160 408634
	BGS Measured Urban Soil Chemistry No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (N)	0	4	443391 407673
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (N)	0	-	443391 407673
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	49	2	443420 407634
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	205	2	443315 407484
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	443391 407673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Areas of Adopted Green Belt** Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan **Status:** **Adopted** Plan Date: 31st December 2000	A13NE (N)	0	5	443391 407673
7	**Areas of Adopted Green Belt** Authority: Doncaster Metropolitan Borough Council Plan Name: Doncaster Unitary Development Plan **Status:** **Adopted** Plan Date: 31st July 1998	A19SW (NE)	716	6	444004 408044
8	**Local Nature Reserves** Name: West Haigh Wood Multiple Area: N Area (m2): 381065.6 Source: Natural England Designation Date: 14th July 2004	A17SE (NW)	787	8	442738 408112
9	**Nitrate Vulnerable Zones** Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (N)	0	9	443391 407673

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Rotherham Metropolitan Borough Council - Environmental Health Department	December 2012	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	July 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	April 2013	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	March 2013	Quarterly
Integrated Pollution Controls		
Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	April 2013	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Rotherham Metropolitan Borough Council - Planning Department	September 2011	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Rotherham Metropolitan Borough Council - Planning Department	March 2013	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Rotherham Metropolitan Borough Council - Planning Department	March 2013	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	March 2013	Quarterly
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	March 2013	Quarterly
Registered Radioactive Substances		
Environment Agency - North East Region	April 2013	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - North East Region - Ridings Area	April 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	April 2013	Quarterly
Water Abstractions		
Environment Agency - North East Region	April 2013	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	April 2013	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones		
Environment Agency - Head Office	March 2013	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	April 2013	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	April 2013	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	April 2013	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	April 2013	Quarterly
Flood Defences		
Environment Agency - Head Office	April 2013	Quarterly
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North East Region - Ridings Area	April 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	April 2013	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - Ridings Area	April 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	April 2013	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	January 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	January 2013	Quarterly
Local Authority Landfill Coverage		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Doncaster Metropolitan Borough Council - Environmental Services	May 2000	Not Applicable
Rotherham Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Doncaster Metropolitan Borough Council - Environmental Services	May 2000	Not Applicable
Rotherham Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	March 2013	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Doncaster Metropolitan Borough Council	April 2013	Annual Rolling Update
Wakefield City Metropolitan District Council	February 2013	Annual Rolling Update
Rotherham Metropolitan Borough Council	October 2012	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	September 2012	Annual Rolling Update
Planning Hazardous Substance Consents		
Doncaster Metropolitan Borough Council	April 2013	Annual Rolling Update
Wakefield City Metropolitan District Council	February 2013	Annual Rolling Update
Rotherham Metropolitan Borough Council	October 2012	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	September 2012	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	April 2013	Bi-Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Mining Report Service	January 2012	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	May 2013	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	February 2013	Quarterly
Sensitive Land Use	**Version**	**Update Cycle**
Areas of Adopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	May 2013	As notified
Doncaster Metropolitan Borough Council	May 2013	As notified
Rotherham Metropolitan Borough Council	May 2013	As notified
Wakefield City Metropolitan District Council	May 2013	As notified
Areas of Unadopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	May 2013	As notified
Doncaster Metropolitan Borough Council	May 2013	As notified
Rotherham Metropolitan Borough Council	May 2013	As notified
Wakefield City Metropolitan District Council	May 2013	As notified
Areas of Outstanding Natural Beauty		
Natural England	March 2013	Bi-Annually
Environmentally Sensitive Areas		
Natural England	February 2013	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	February 2013	Bi-Annually
Marine Nature Reserves		
Natural England	August 2012	Bi-Annually
National Nature Reserves		
Natural England	February 2013	Bi-Annually
National Parks		
Natural England	February 2013	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites		
Natural England	February 2013	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2013	Bi-Annually
Special Areas of Conservation		
Natural England	February 2013	Bi-Annually
Special Protection Areas		
Natural England	February 2013	Bi-Annually

Data Suppliers

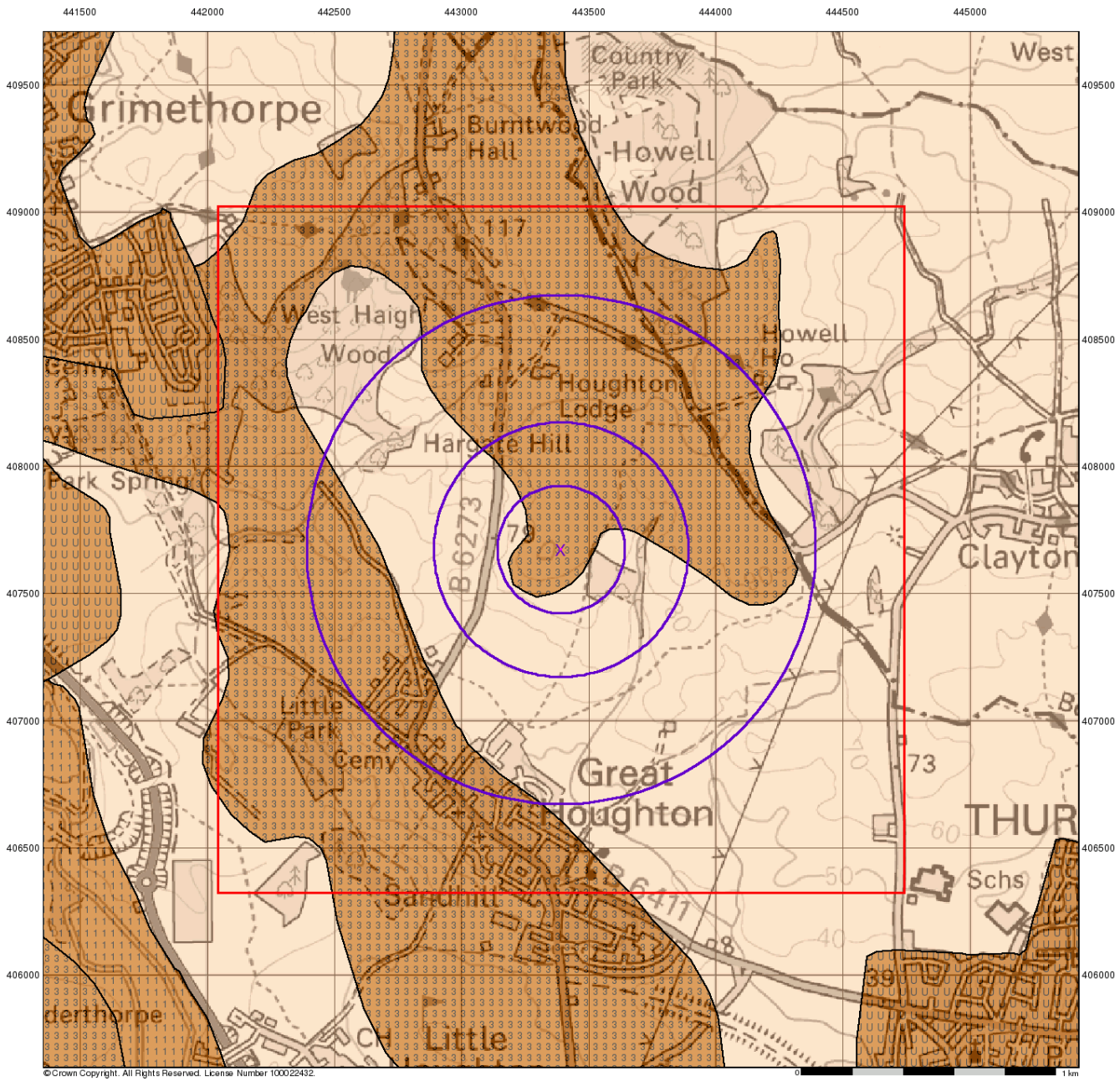
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
4	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
5	**Barnsley Metropolitan Borough Council - Planning Department** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
6	**Doncaster Metropolitan Borough Council** Danum House, St Sepulchre Gate, Doncaster, South Yorkshire, DN1 1UB	Telephone: 01302 734854 Fax: 01302 734949 Website: www.doncaster.gov.uk
7	**Wakefield City Metropolitan District Council** Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Fax: 01924 378532 Website: www.wakefield.gov.uk
8	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
10	**Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
11	**Doncaster Metropolitan Borough Council - Environmental Services** Floor 3, Council House, College Road, Doncaster, South Yorkshire, DN1 1RN	Telephone: 01302 734444 Fax: 01302 734949 Website: www.doncaster.gov.uk
-	**Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.



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Groundwater Vulnerability

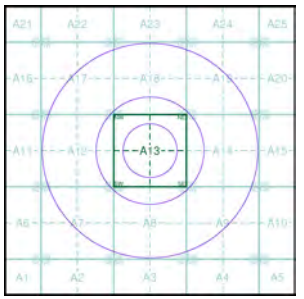
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



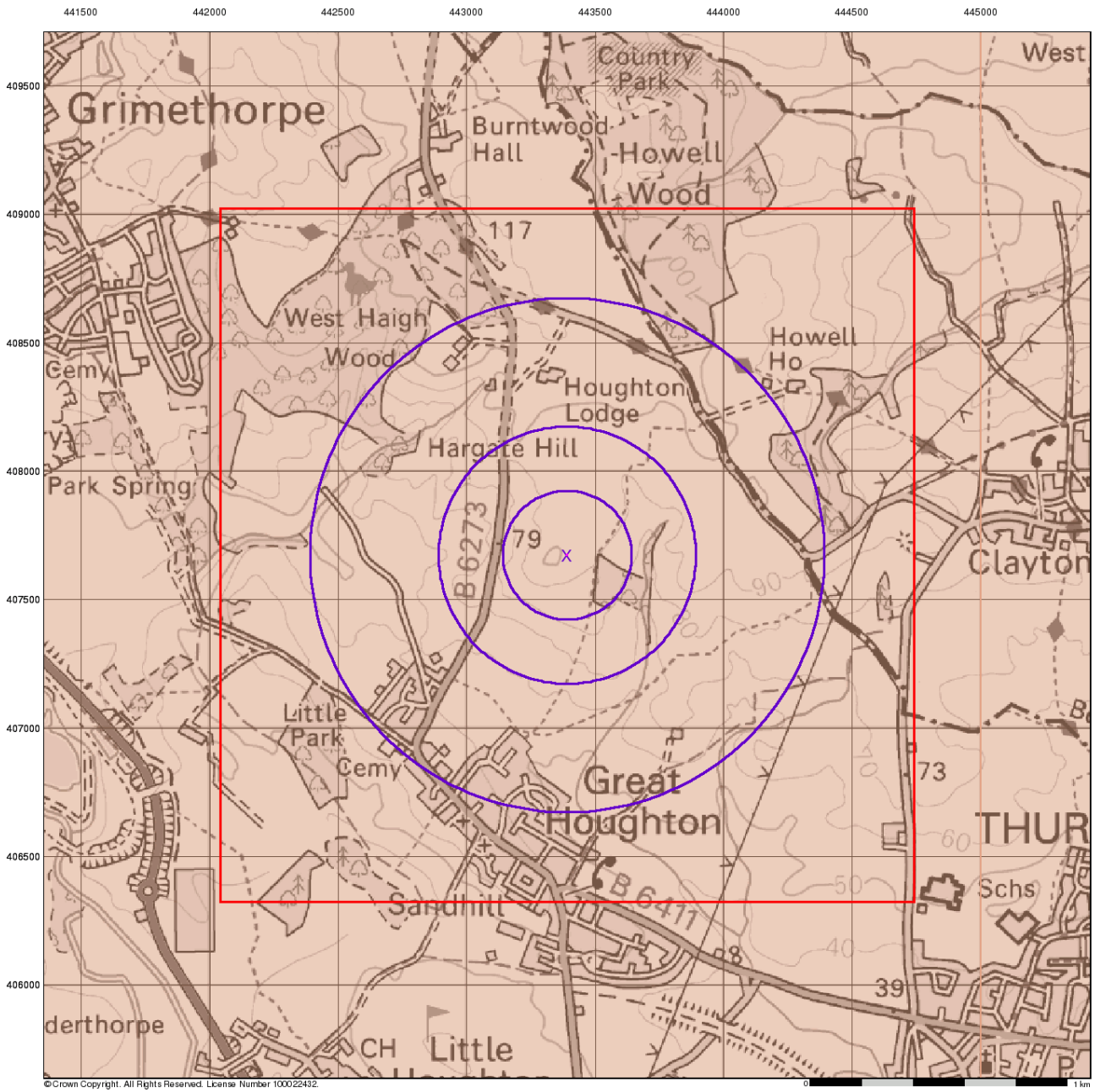
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Customer Ref:	4543
National Grid Reference:	443390, 407670
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

Fitwilliam Wind Scheme

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Fax: 0844 844 9951
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Bedrock Aquifer Designation

General

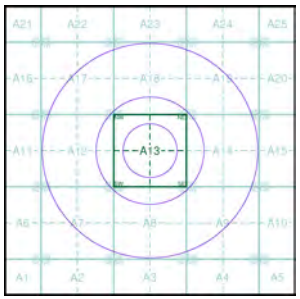
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A

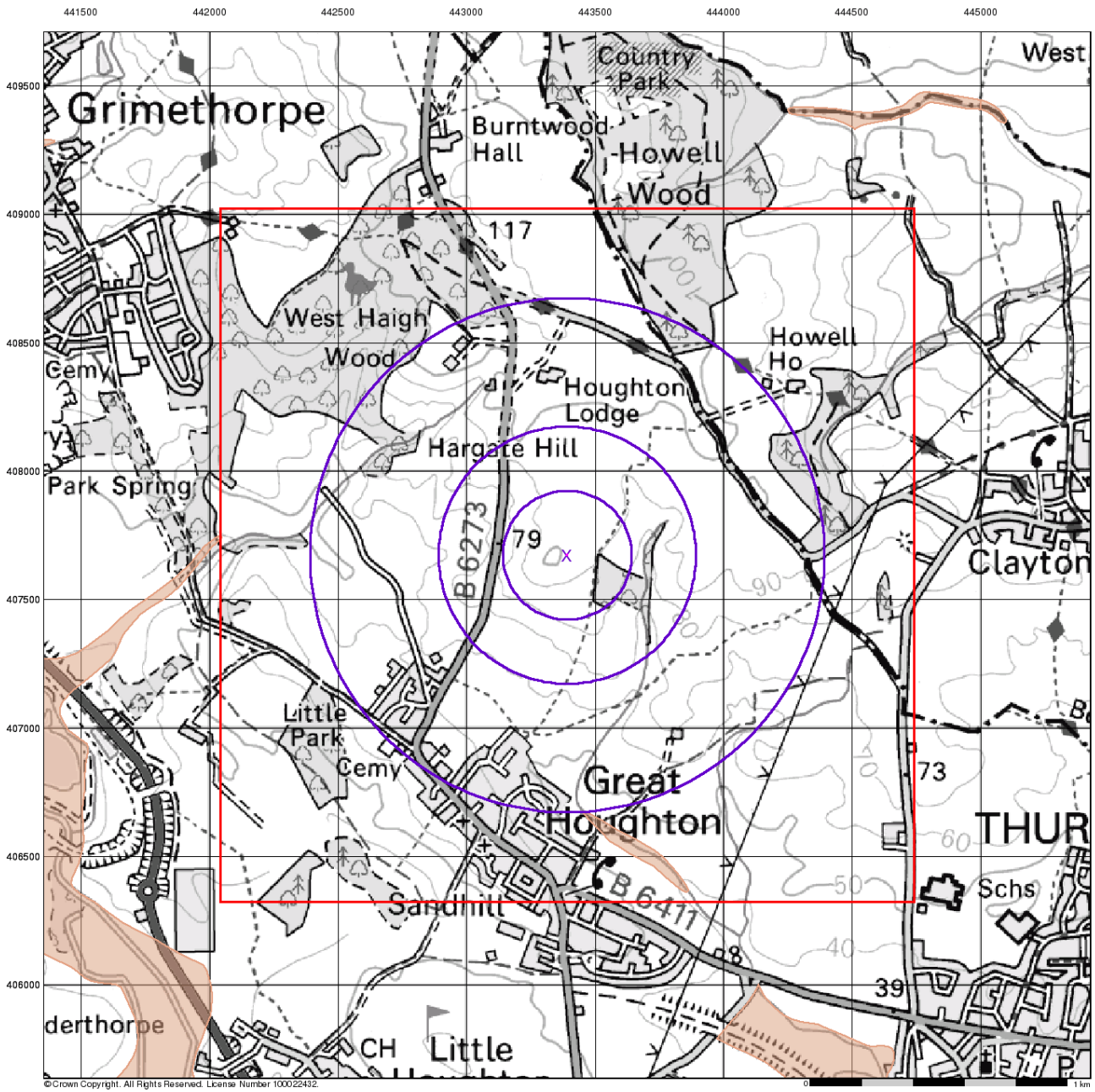


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Customer Ref:	4543
National Grid Reference:	443390, 407670
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

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Superficial Aquifer Designation

General

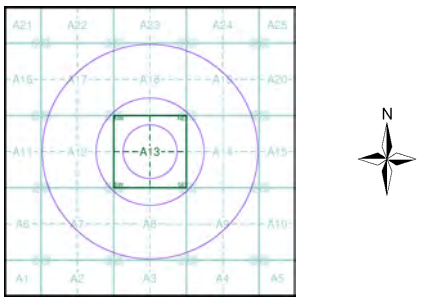
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



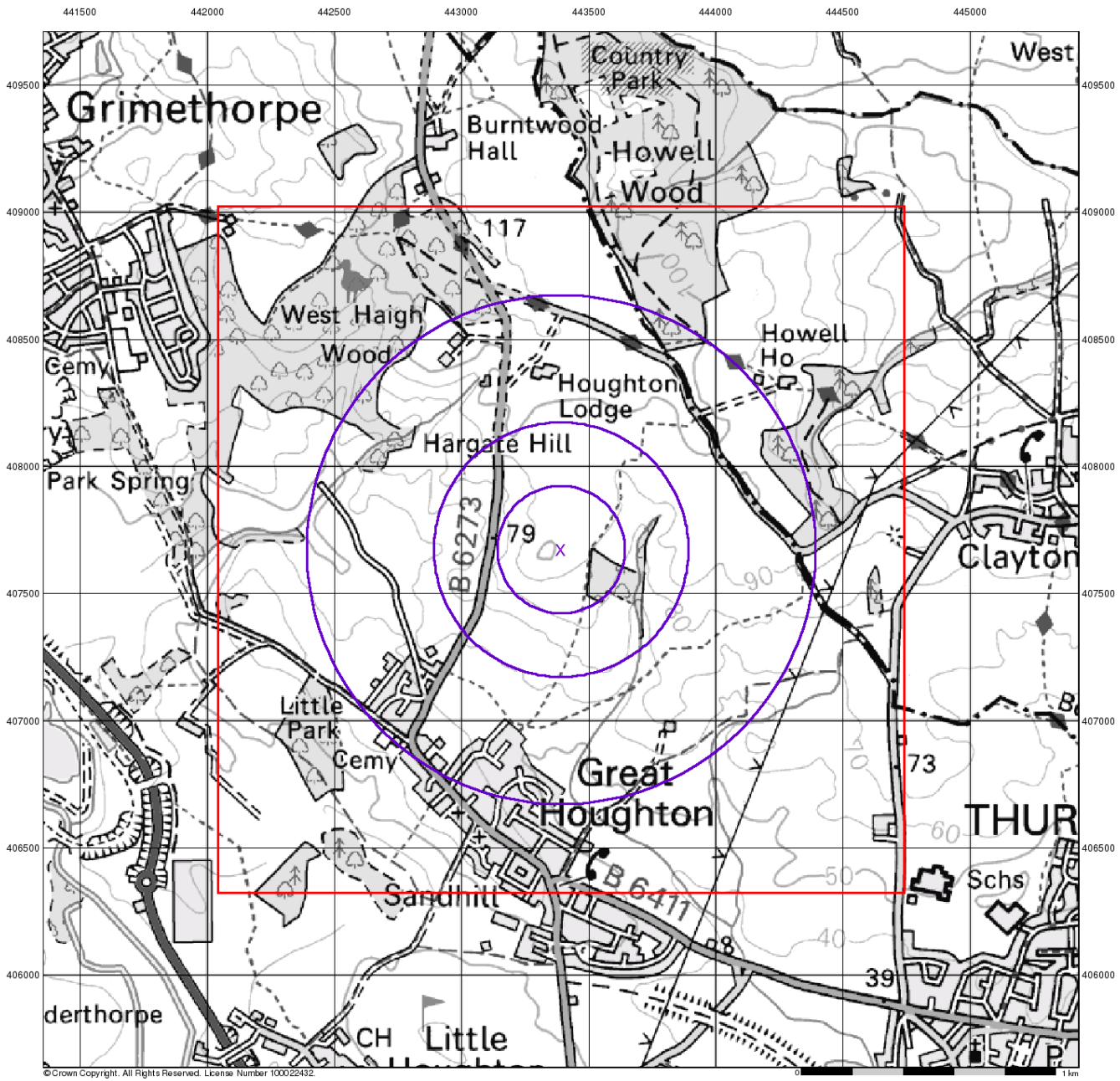
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Customer Ref:	4543
National Grid Reference:	443390, 407670
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

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Source Protection Zones

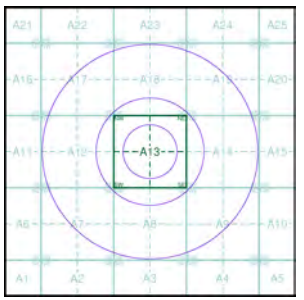
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Source Protection Zone I
Source Protection Zone II
Source Protection Zone III
Zone of Special Interest
Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



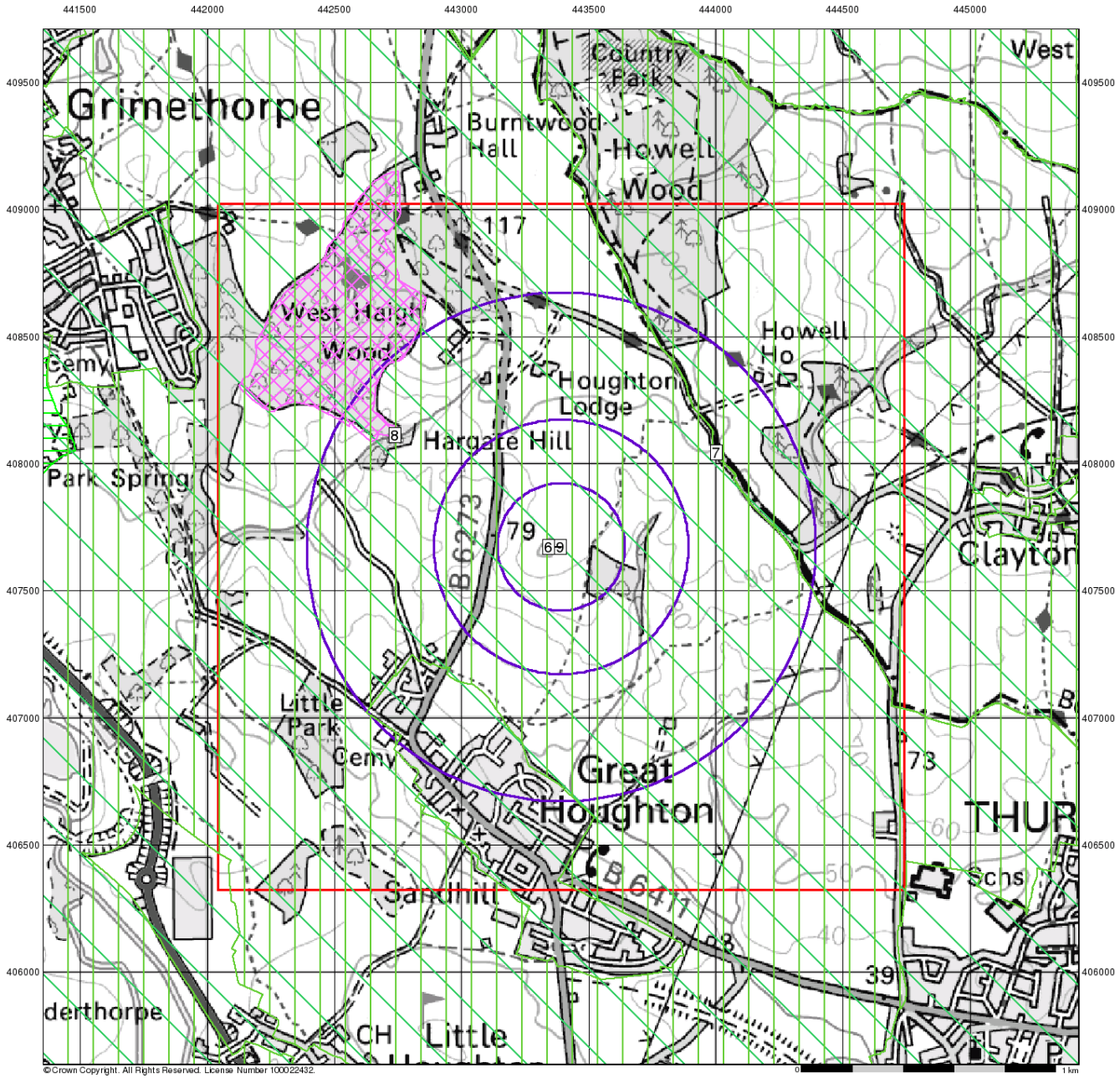
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Search Buffer (m):	1000

Site Details

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Sensitive Land Uses

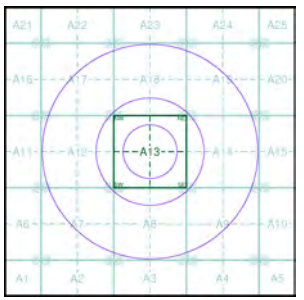
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	47204008_1_1
Customer Ref:	4543
National Grid Reference:	443390, 407670
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

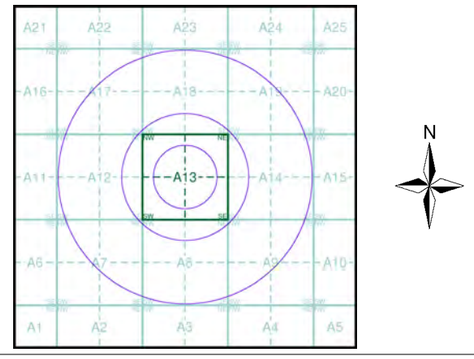
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1906 - 1907	4
Yorkshire	1:10,560	1931 - 1932	5
Yorkshire	1:10,560	1938 - 1948	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1955	9
Ordnance Survey Plan	1:10,000	1967	10
Ordnance Survey Plan	1:10,000	1983	11
Ordnance Survey Plan	1:10,000	1989	12
10K Raster Mapping	1:10,000	2013	13

Historical Map - Slice A



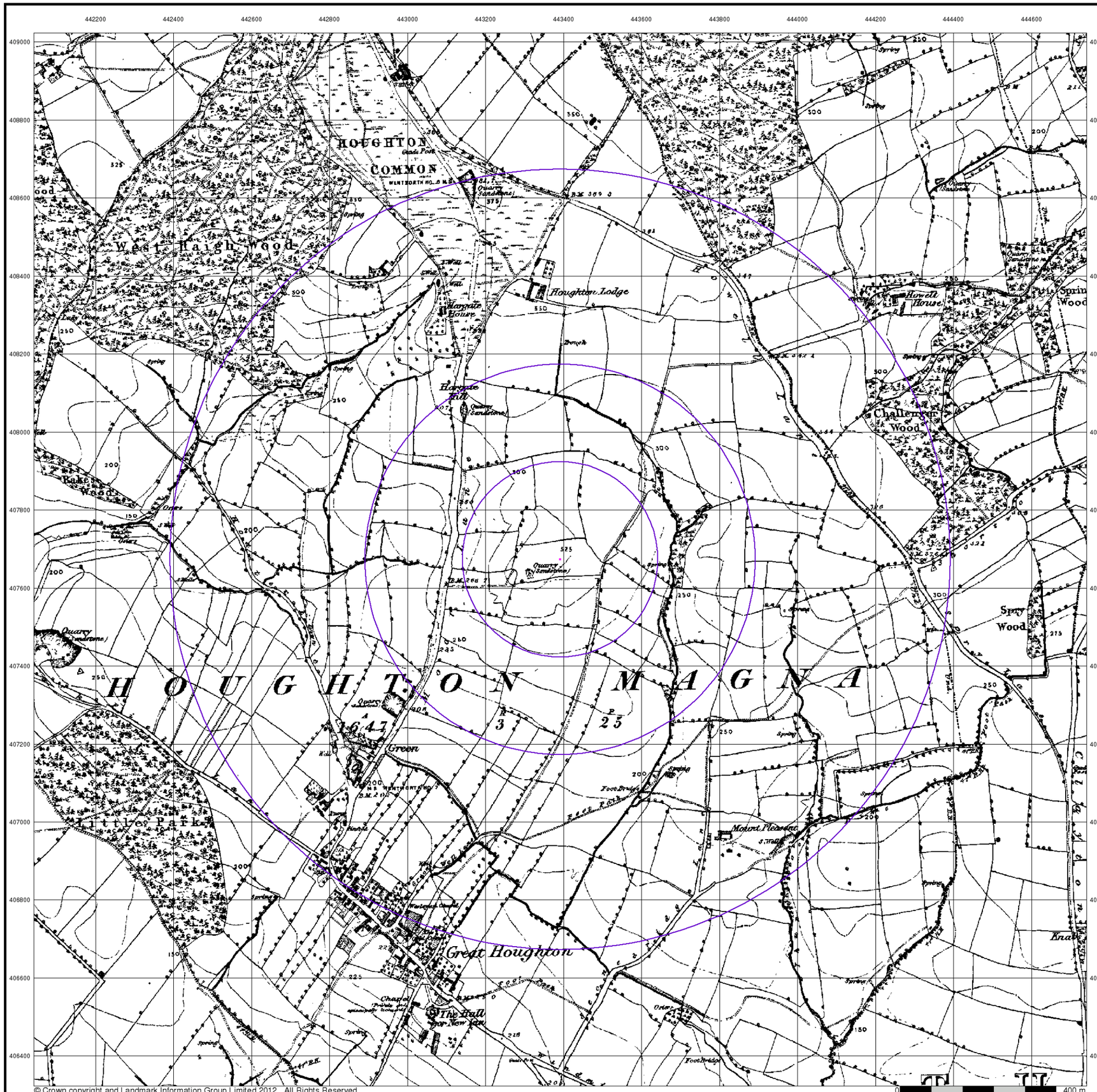
Order Details

Order Number: 47204008_1_1
Customer Ref: 4543
National Grid Reference: 443390, 407670
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Fitwilliam Wind Scheme

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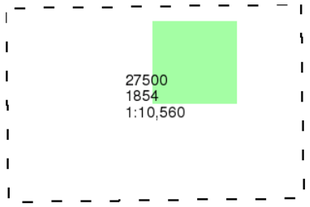
Yorkshire

Published 1854

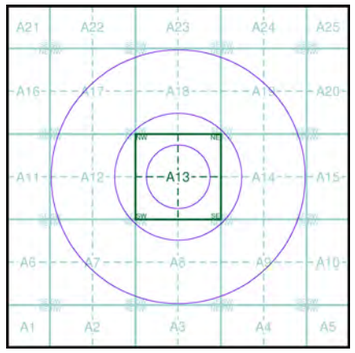
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

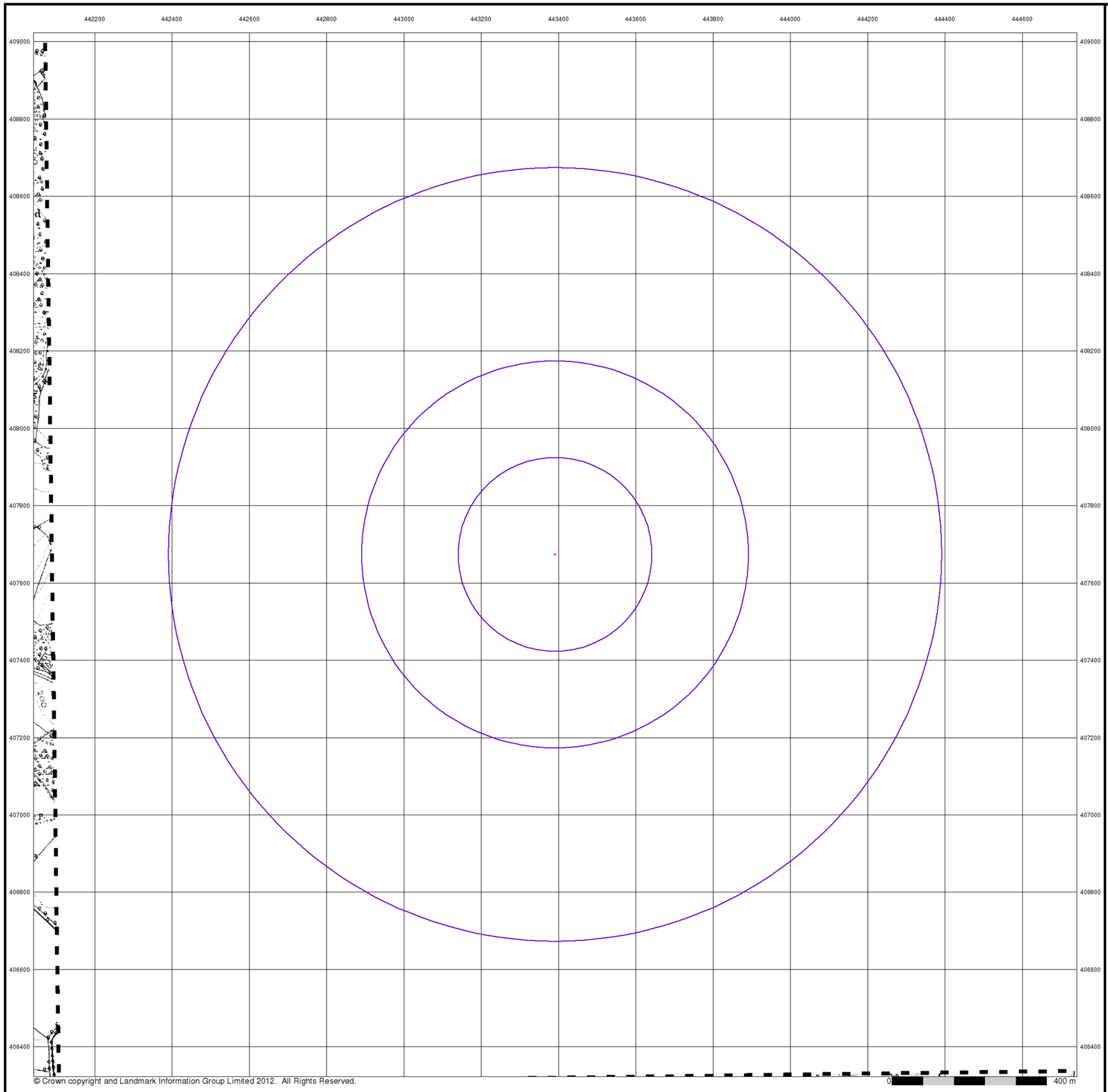
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Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

Fitwilliam Wind Scheme

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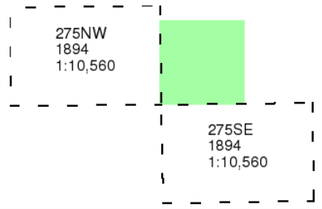
Yorkshire

Published 1894

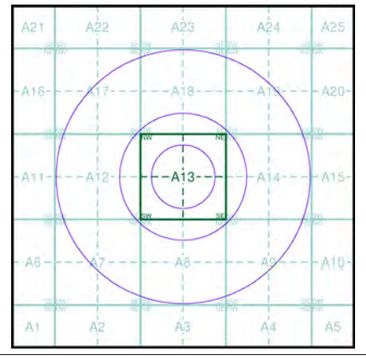
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

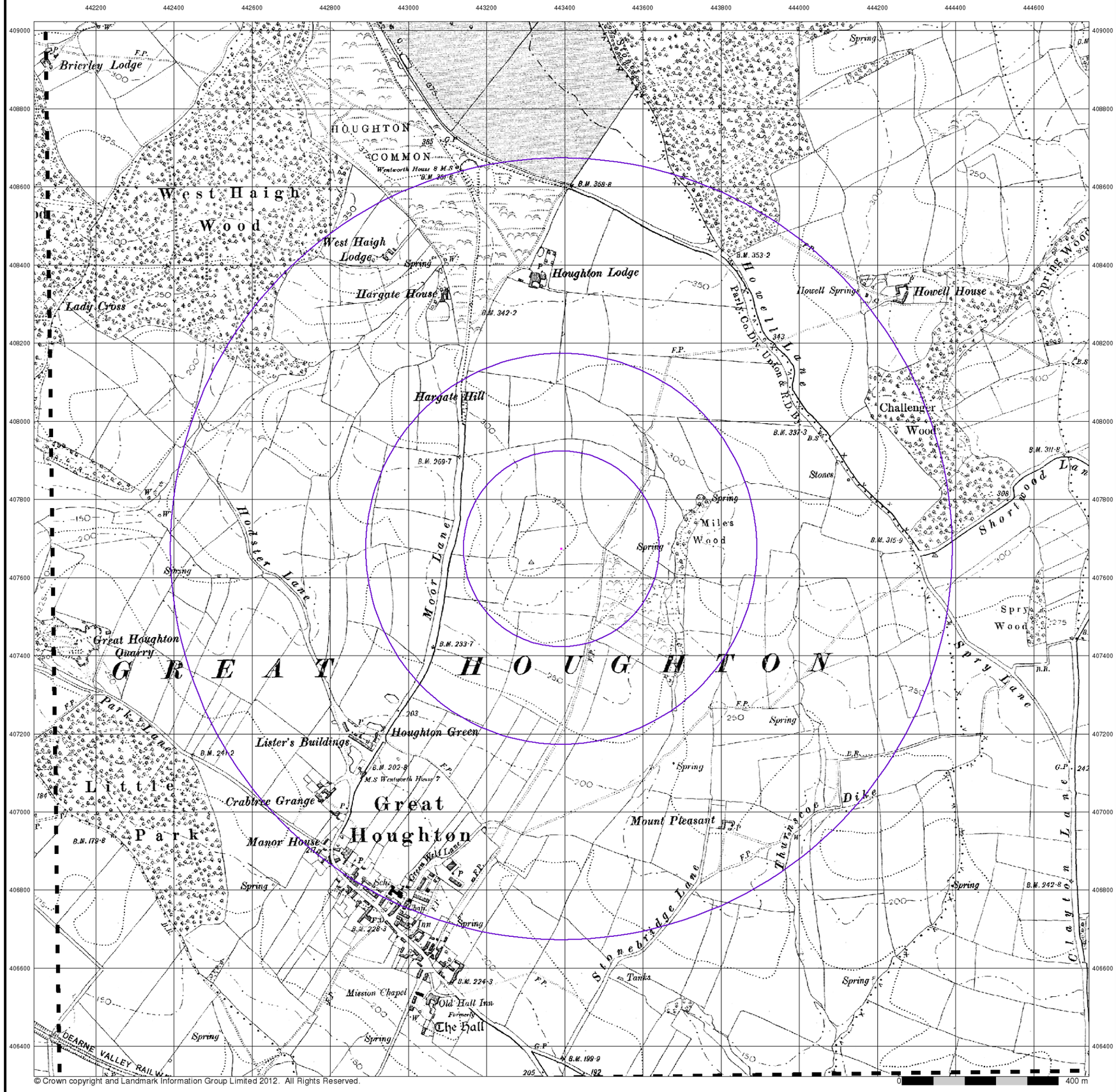
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Site Details

Fitwilliam Wind Scheme

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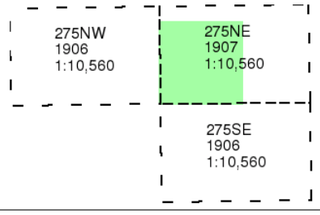
Yorkshire

Published 1906 - 1907

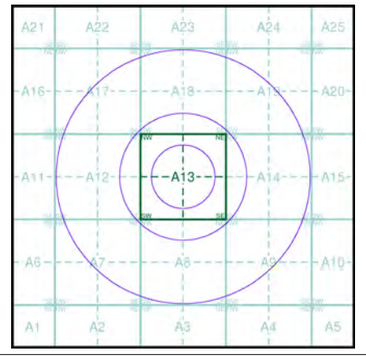
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

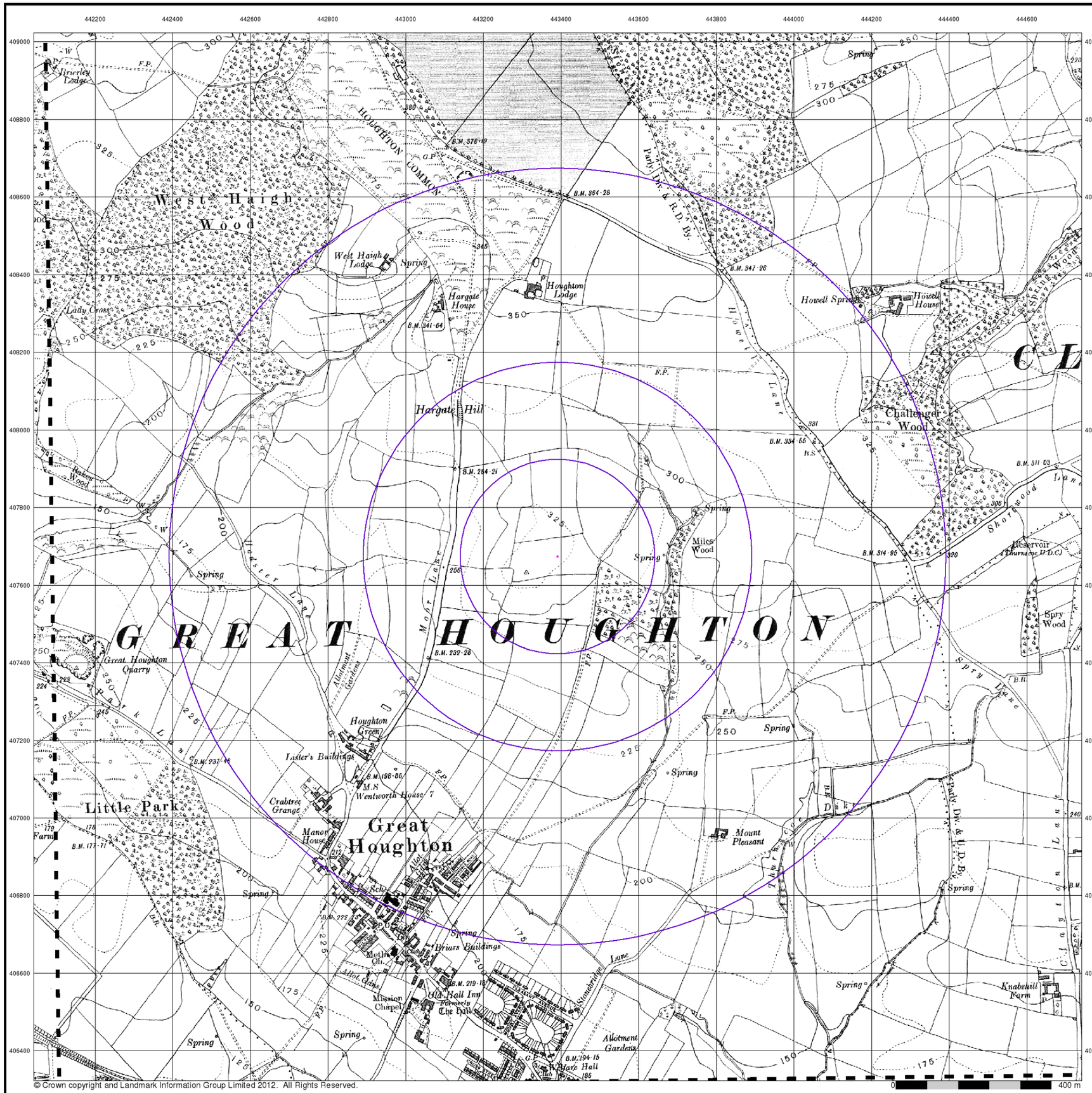
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Customer Ref:	4543
National Grid Reference:	443390, 407670
Slice:	A
Site Area (Ha):	0.01
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Site Details

Fitwilliam Wind Scheme

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Yorkshire

Published 1931 - 1932

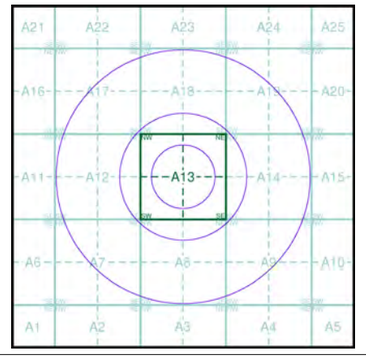
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

275NW 1932 1:10,560	275NE 1932 1:10,560
	275SE 1931 1:10,560

Historical Map - Slice A



Order Details

Order Number:	47204008_1_1
Customer Ref:	4543
National Grid Reference:	443390, 407670
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

Fitwilliam Wind Scheme

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk