

Key

-  Study Area
-  5km Buffer of Study Area
-  Ingbirchworth Nature Reserve
-  Natural Heritage Sites
-  SPA
-  SSSI
-  SAC
-  National Park

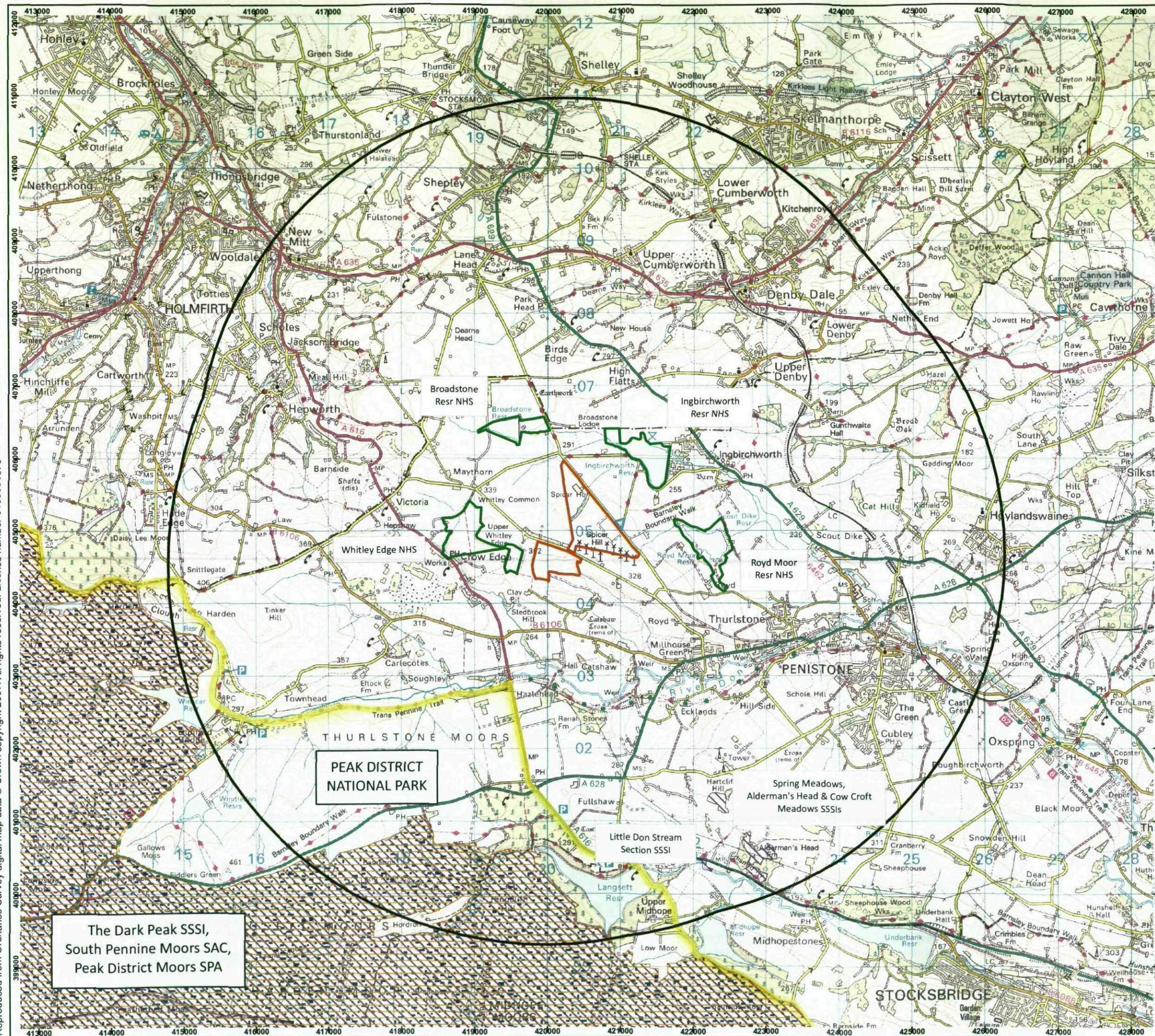
1:50,000 Scale @ A3

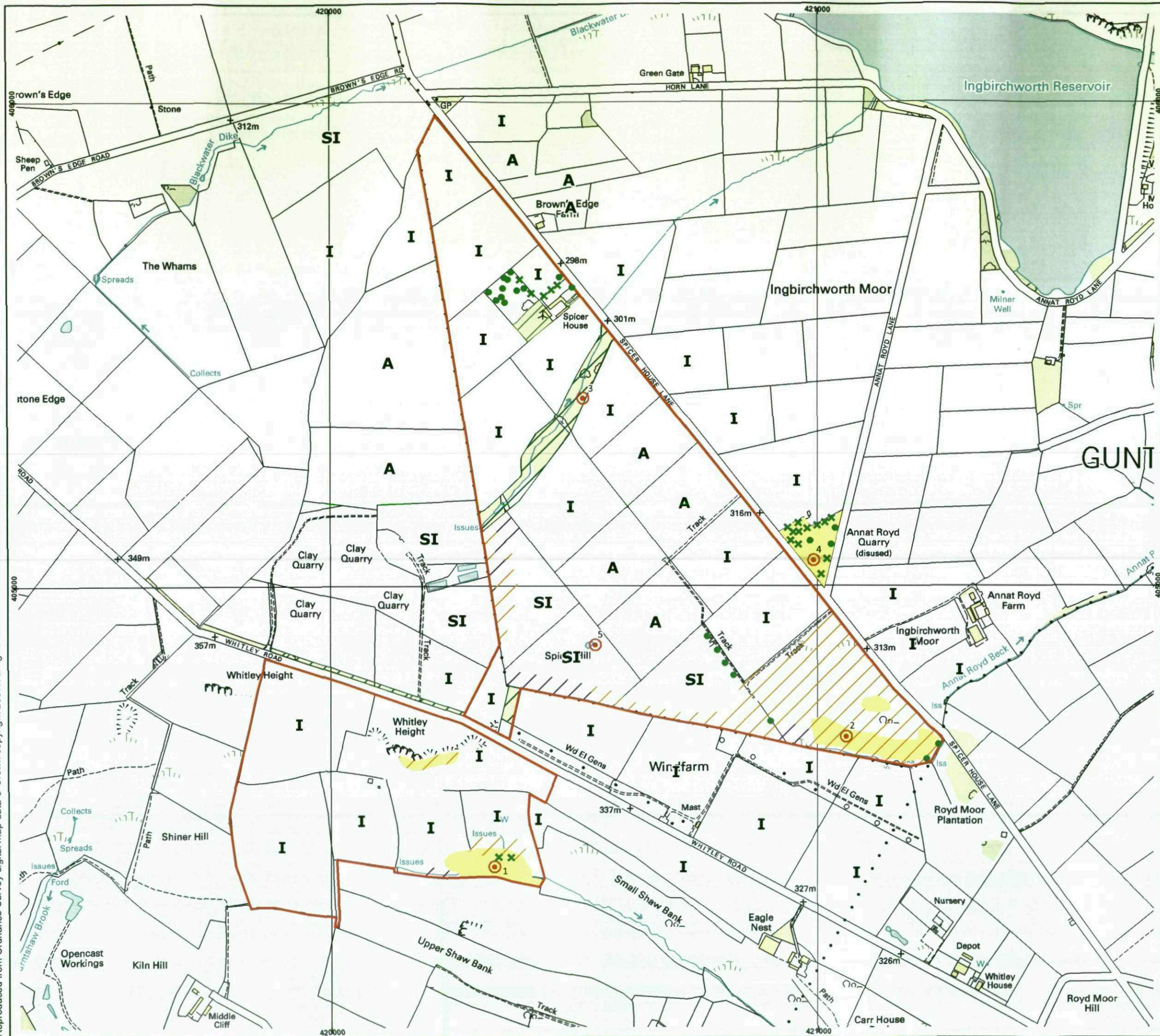
0 1,200 2,400 m

N

Ecological Designations
Figure 5.1

Spicer Hill Wind Farm
Environmental Statement





J G Pears Ltd



Key

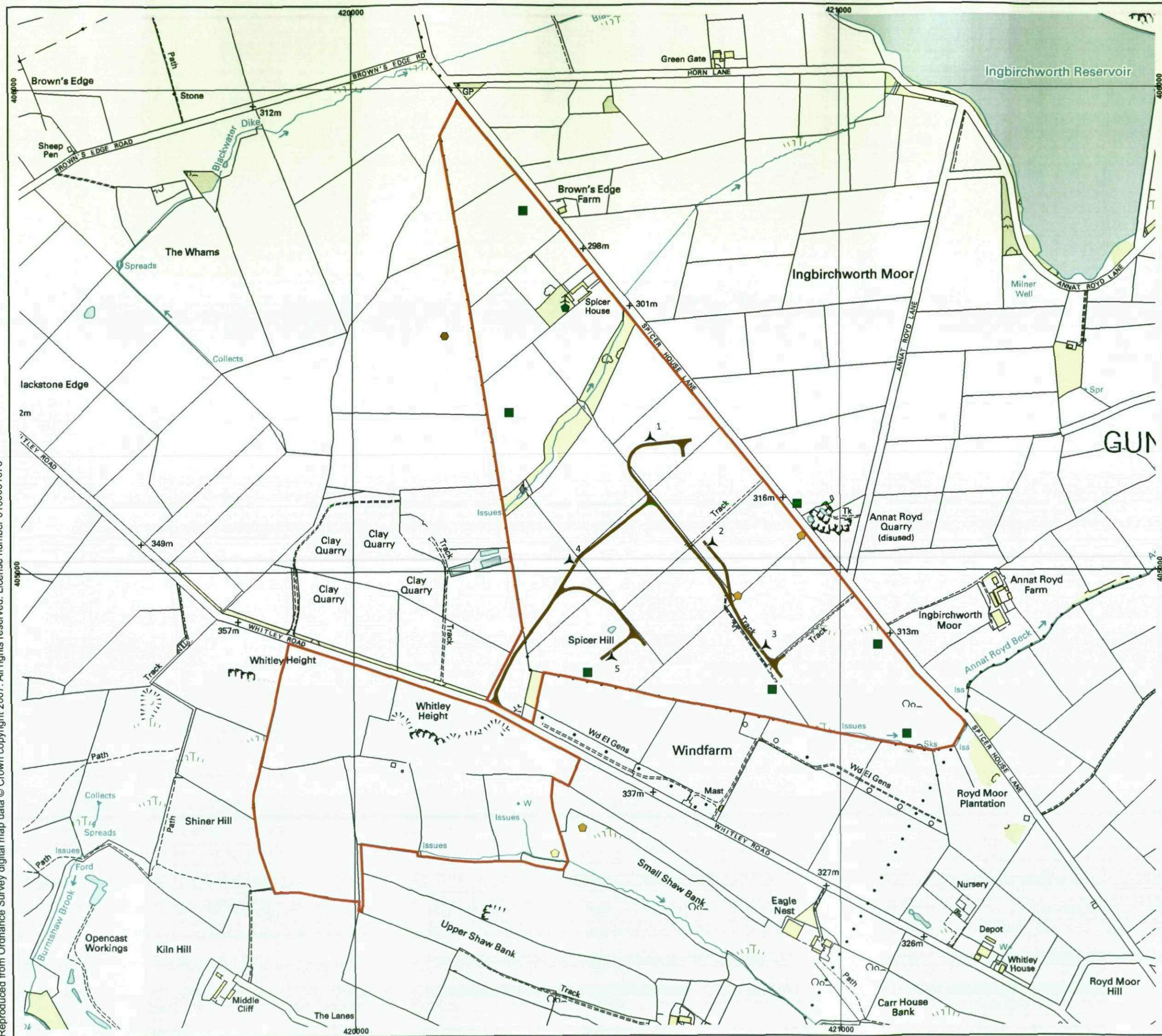
- Study Area
- Trees
- ✕ Scrub
- ⊙ Target Notes
- Acid Grassland/Dry Dwarf Shrub Heath Mosaic
- Broad-Leaved Plantation
- Coniferous Plantation
- Dense Scrub
- Dry Dwarf Shrub Heath (Acid)
- Marshy Grassland
- Semi-Improved Acid Grassland
- A Arable
- I Improved Grassland
- SI Poor Semi-Improved Grassland

1:7,500 Scale @ A3



Phase 1 Habitat Map
Figure 5.2

Spicer Hill Wind Farm
Environmental Statement



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Key

▲ Proposed Wind Turbines

Study Area

Access Tracks

Territory Centres

● Curlew

◆ Dunnock

■ Linnet

■ Skylark

◆ Starling

■ Yellowhammer

1:7,500 Scale @ A3

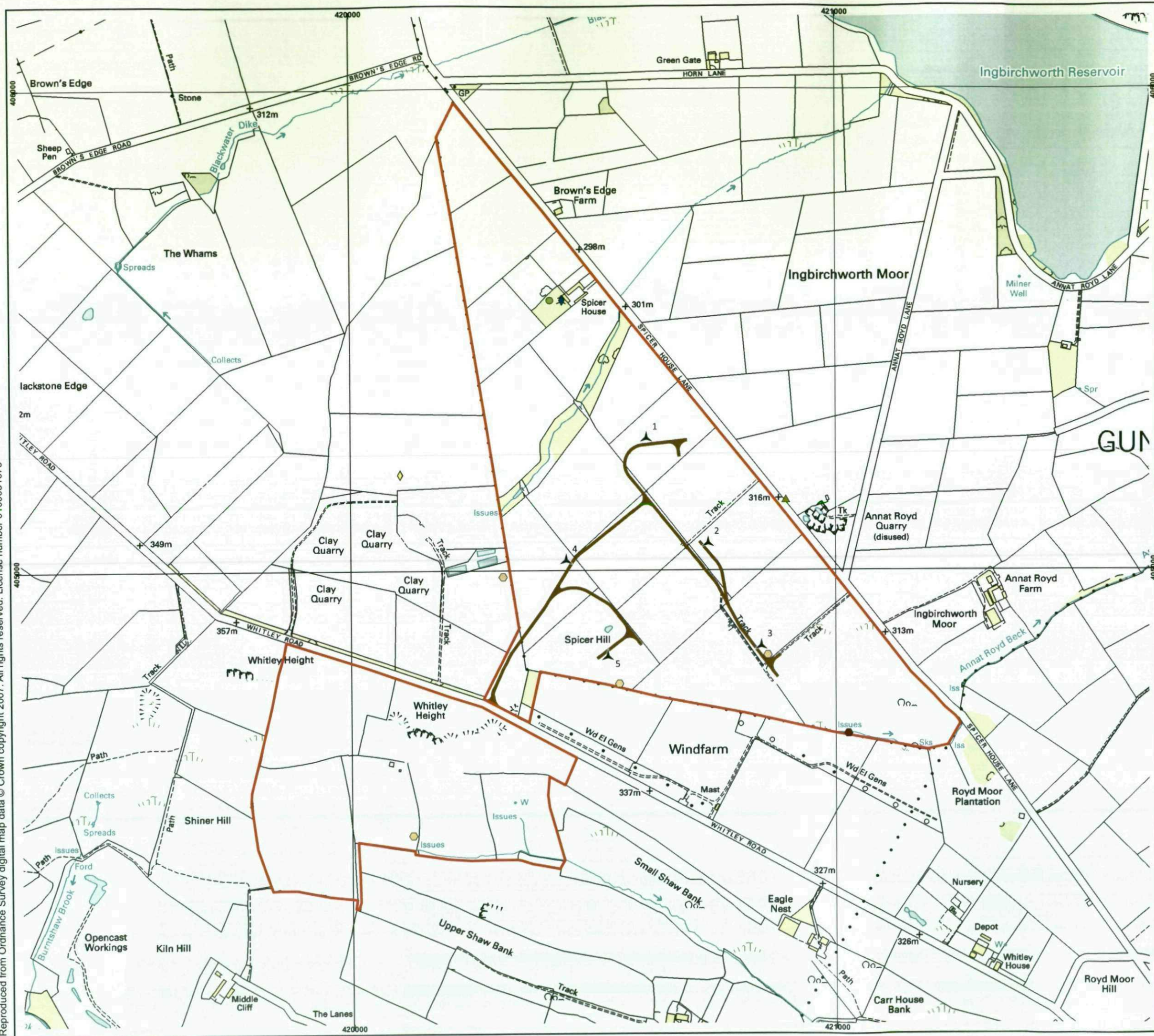
0 200 400 m



Breeding Bird Survey

Figure 6.1a

**Spicer Hill Windfarm
Environmental Statement**



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Key

▲ Proposed Wind Turbines

Study Area

Access Tracks

Territory Centres

- Goldcrest
- Meadow Pipit
- ◆ Oystercatcher
- Stonechat
- ◆ Swallow
- ▲ Willow Warbler

1:7,500 Scale @ A3

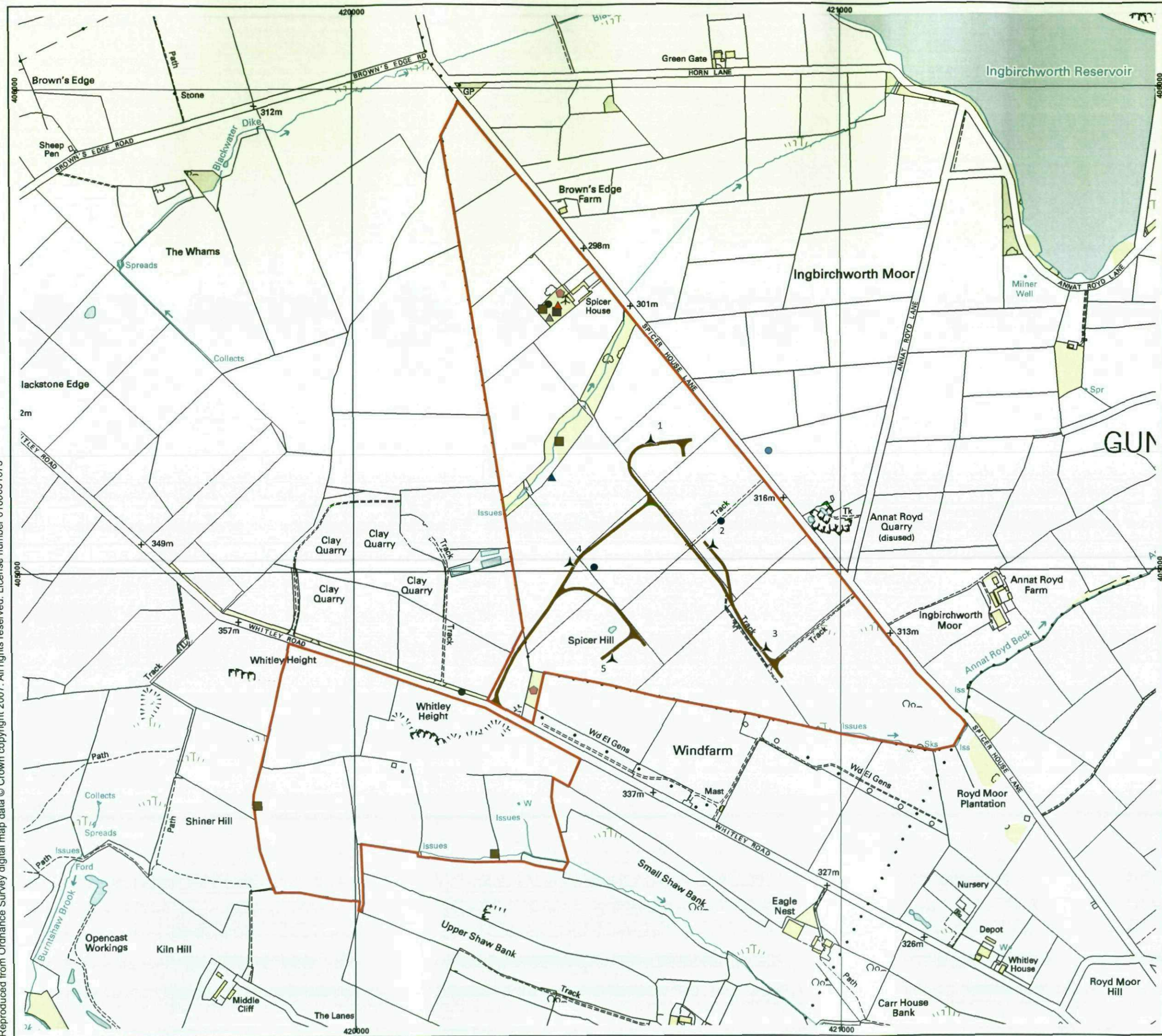
0 200 400 m



Breeding Bird Survey

Figure 6.1b

**Spicer Hill Wind Farm
Environmental Statement**



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Key

▲ Proposed Wind Turbines

— Access Tracks

Study Area

Territory Centres

- Blackbird
- ▲ Blue Tit
- Carrion Crow
- ◆ Chaffinch
- ▲ Jackdaw
- Pied Wagtail
- ▲ Robin
- Whitethroat
- Wren

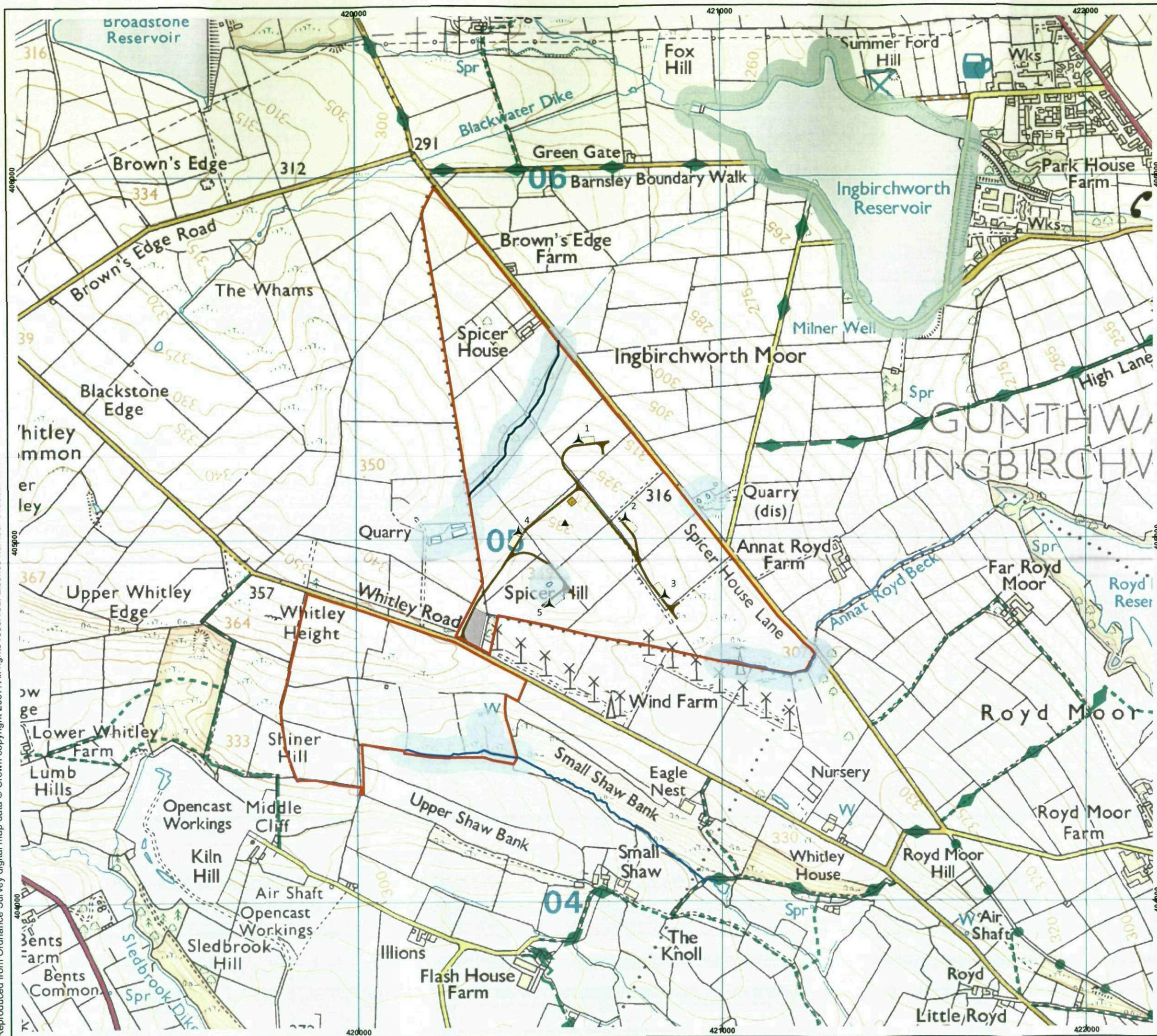
1:7,500 Scale @ A3



Breeding Bird Survey

Figure 6.1c

**Spicer Hill Wind Farm
Environmental Statement**



J G Pears Ltd



Key

- ▲ Proposed Wind Turbines
- Study Area
- ▲ Meteorological Mast
- Control Building
- Access Tracks
- Construction Compound and Storage Area
- Temporary Hardstanding
- Watercourse 1
- Watercourse 2
- Watercourse 3
- 50m Buffer of Watercourses
- Flood Risk Area

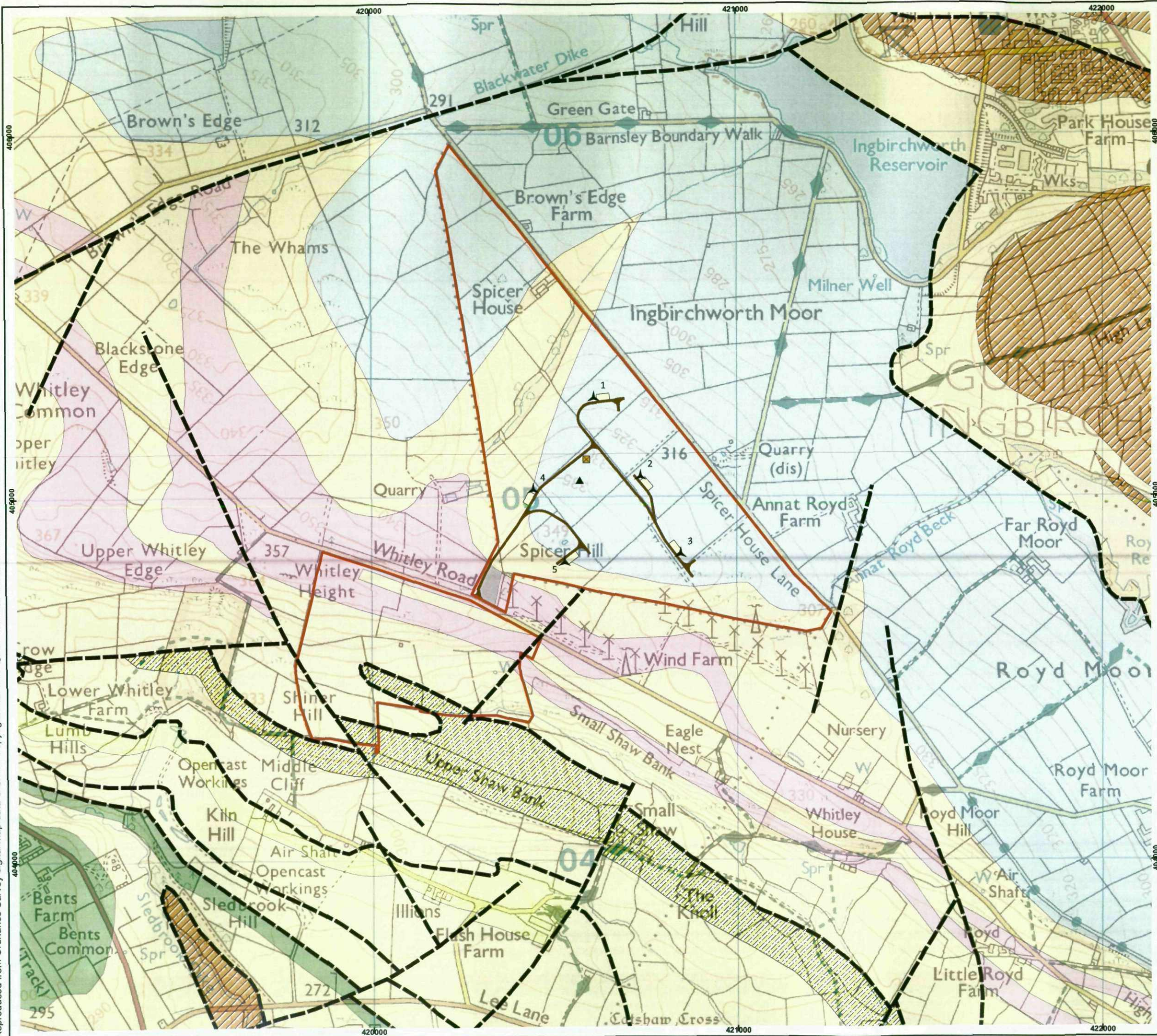
1:10,000 Scale @ A3

0 250 500 m



Surface Watercourses
Figure 7.1

Spicer Hill Wind Farm
Environmental Statement



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Key

- ▲ Proposed Wind Turbines
- Study Area
- ▲ Meteorological Mast
- Control Building
- Access Tracks
- Construction Compound and Storage Area
- Temporary Hardstanding
- Fault
- Sandstone- Greenmoor Rock
- Sandstone- Loxley Edge Rock
- Sandstone- Middle Band Rock
- Grenoside Sandstone
- Sandstone- 80 Yard Rock
- Pennine Lower Coal Measures
- Sandstone- Penistone Flags

1:10,000 Scale @ A3

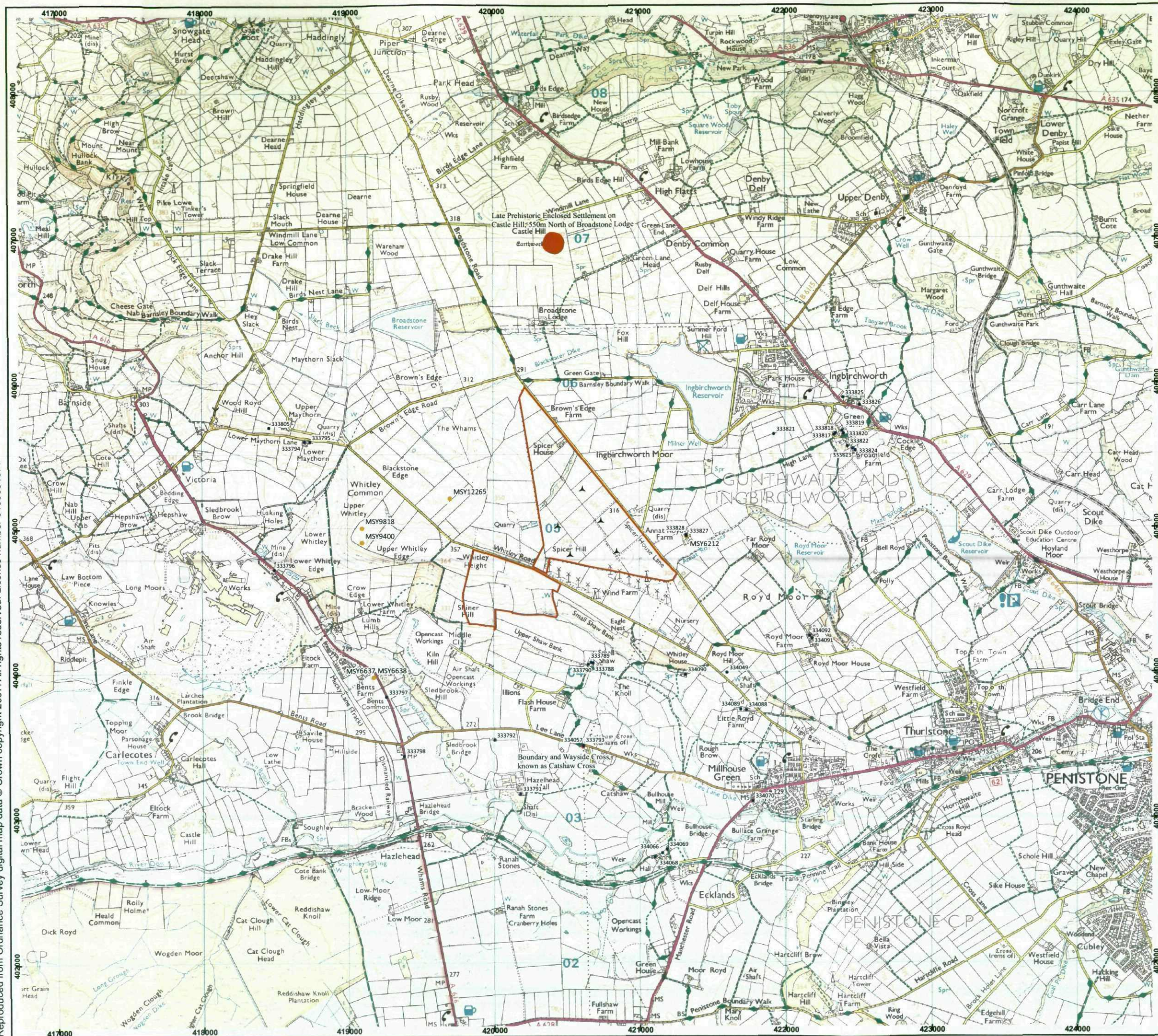
0 250 500 m



Solid Geology

Figure 7.2

Spicer Hill Windfarm
Environmental Statement



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Key

-  Proposed Wind Turbines
-  Study Area
-  Listed Buildings (All Grades)
-  Sites and Monuments Records
-  Scheduled Ancient Monuments

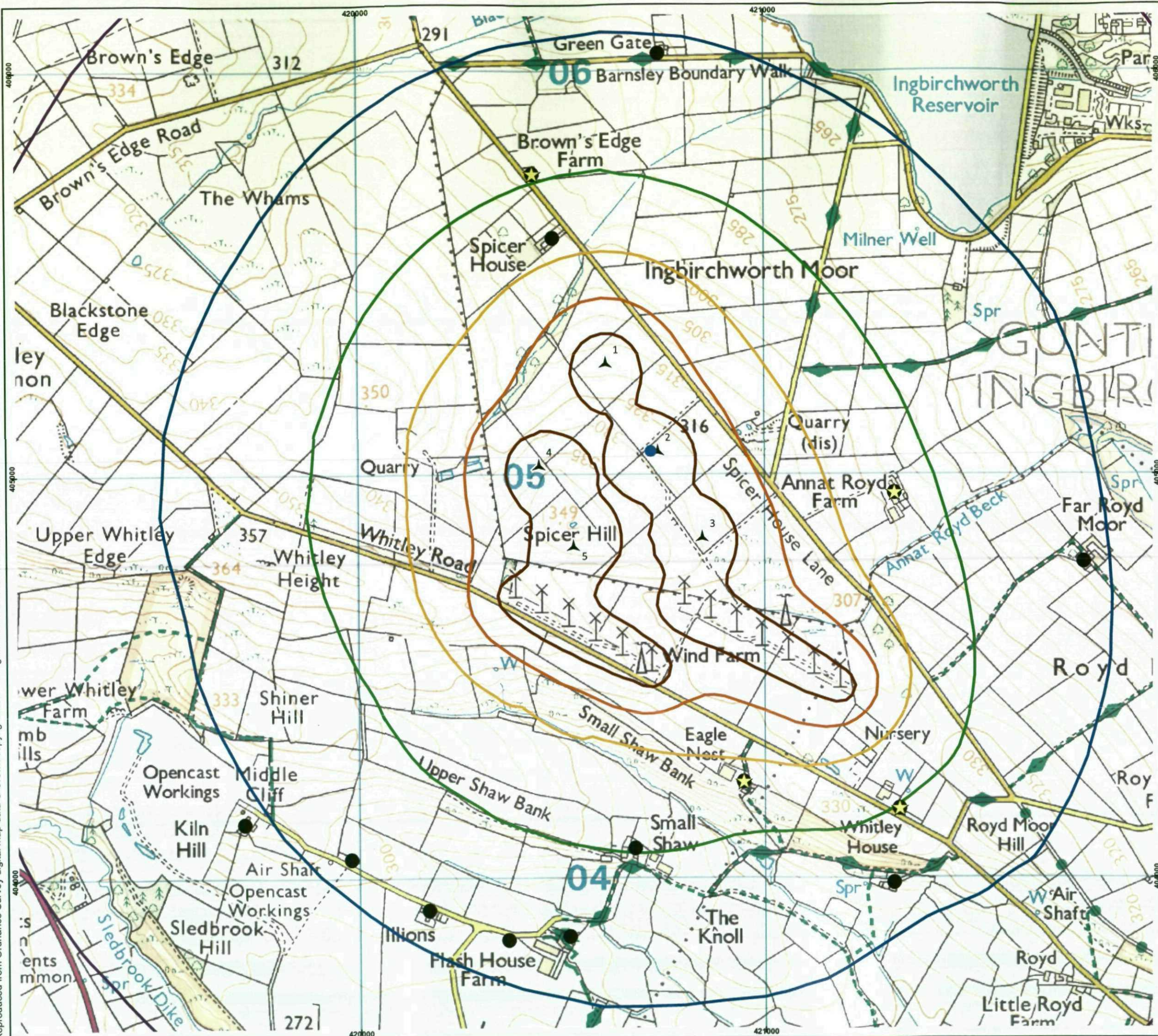
1:25,000 Scale @ A3

0 0.5 1 km



Heritage Features within
2km of Site
Figure 8.1

Spicer Hill Wind Farm
Environmental Statement



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Key

- Wind Monitoring Position
- ▲ Proposed Wind Turbines
- ★ Noise Monitoring Location
- Potential Noise Receptor

Predicted Noise Level

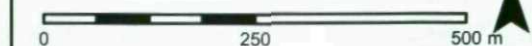
LA90,10min

- 30 dB(A)
- 35 dB(A)
- 40 dB(A)
- 45 dB(A)
- 50 dB(A)
- 55 dB(A)

Noise contours (LA90,10min) calculated according to ISO 9613-2:1996, assuming soft ground and omitting barrier attenuation. 25m calculation grid at 2.0m AGL, based on OS LandForm Panorama contours.

Includes contributions from proposed Spicer Hill turbines (maximum Sound Power Level = 105 dB(A)) and existing Royd Moor turbines (maximum Sound Power Level = 98 dB(A)).

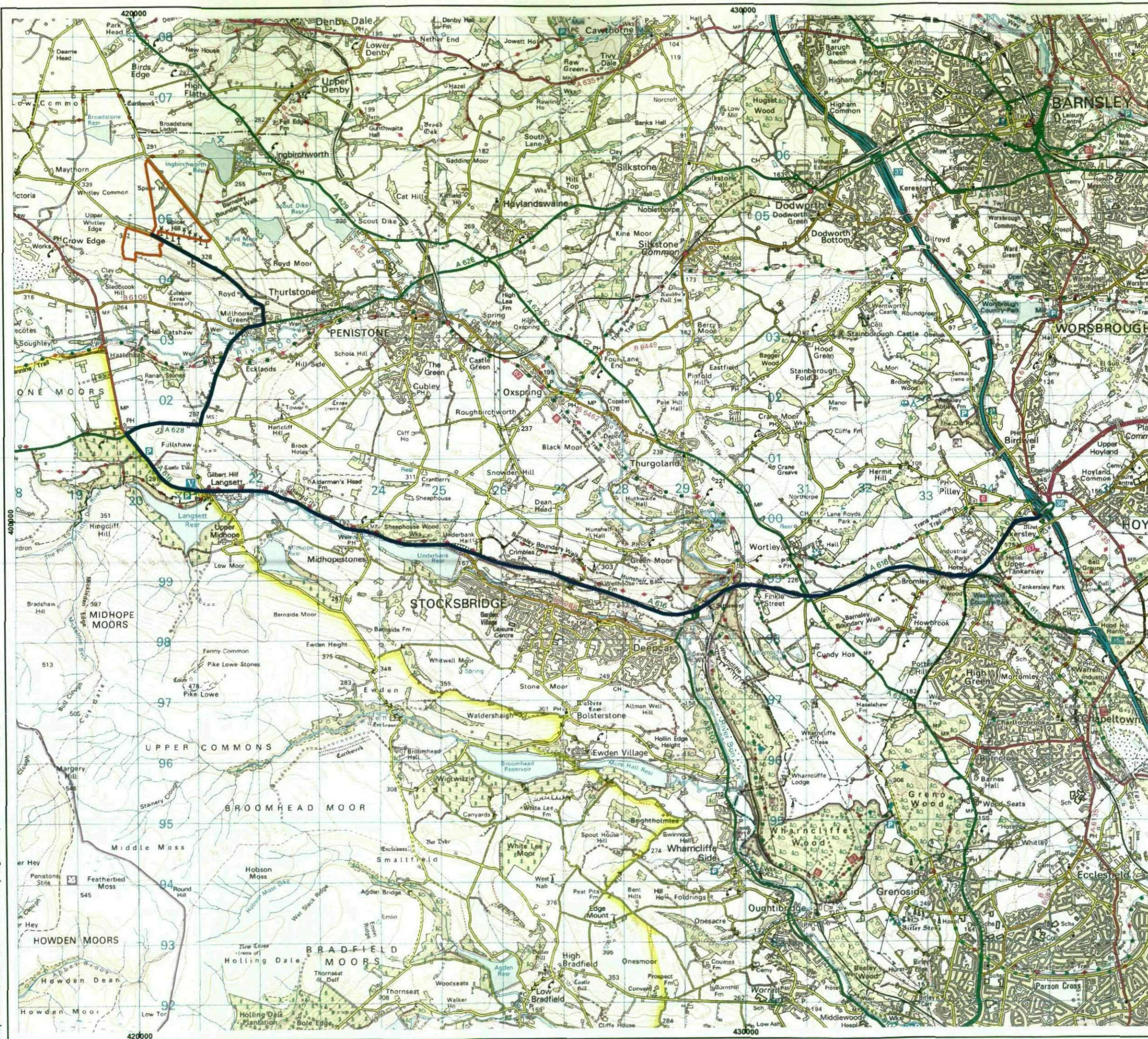
1:9,000 Scale @ A3



Noise Contour Plot

Figure 9.1

**Spicer Hill Windfarm
Environmental Statement**



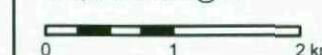
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Key

- Construction Route
- Site Boundary

1:60,000 Scale @ A3



Construction Route to Site
Figure 10.1

Spicer Hill Wind Farm
Environmental Statement

Key

▲ Proposed Turbine Location

Study Area

Public Pathways

Trans-Pennine Trail

Barnsley Boundary Walk

Penistone Boundary Walk

Royd Moor Walk

Bridleway

1:25,000 Scale @ A3

0 0.5 1 km



Public Rights of Ways

Figure 11.1

Spicer Hill Wind Farm
Environmental Statement





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Key

- Proposed Wind Turbines
- Emley Moor Transmitter
- Zone of Potential Impact on Transmissions from Emley Moor
- 500m Buffer of Turbines

1:50,000 Scale @ A3



**Potential Zones of Effect
on TV Reception**
Figure 12.1

**Spicer Hill Wind Farm
Environmental Statement**



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Key

- ▲ Proposed Wind Turbines
- Houses within Flicker Zone
- Area of Potential Effects

1:7,500 Scale @ A3

0 200 400 m

N

**Area of Potential Shadow
Flicker Effect
Figure 13.1**

**Spicer Hill Wind Farm
Environmental Statement**