

# Herefordshire Minerals & Waste Local Plan

## Spatial Context and Sites Report

### Annex A

March 2018

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## Minerals Site Assessment Annex

This annex provides the details held for each of the minerals sites assessed in the preparation of the Herefordshire MWLP.

Each of the sites has been considered using a combination of GIS data, observance on site, and other information that has been available through the plan making process. An overview of viability, availability and deliverability matters are provided for each site. Wherever possible, a clear and demonstrable evidence base is used, however in considering some matters, such as human population constraints, the conclusion will be based on professional judgement.

The overarching criteria used are described in Table M00. In addition, each site has been considered through the use of GIS data, as explained within the main body of the Spatial Context and Sites Report.

**Table M00 – Overview for each site, description of the matters considered**

Name		Explanation	Notes
Viability		Is the land/site likely to contain a viable source of mineral, the extraction of which could contribute to future requirements for minerals?	This will rely principally upon the BGS data.
Availability		Is the land/site likely to be available for development within the plan period?	Ideally this is demonstrated through landowner support, but it might be a reflection of a lack of known physical constraints as landowner position can change over time
Deliverability	Infrastructure constraint	Are there any major infrastructure constraints such that development is unlikely to be deliverable?	These will vary between locations, but are likely to focus on access and highways constraints.
	Human constraint	Are there likely to be any significant human population constraints such that development is unlikely to be deliverable?	These will vary between locations and may not simply be proximity of residential property to a site.
	Environmental constraint	Are there any overriding environmental constraints such that development is unlikely to be deliverable?	This will focus on European and national designation such as SPA, SAC, Ramsar Sites, SPZ 1, and AONB.
Site visit notes			

## M01: Stretton Sugwas Quarry (Hereford Quarry) Located north west of Hereford

Site is restored through naturally regenerated public open space and lake, with no reasonable potential for future mineral extraction.

**Table M01: Stretton Sugwas Quarry (Hereford Quarry)**

Criteria		Notes
Viability		Site is located on the edge of sand and gravel resource identified through BGS data. Existing site is not believed to contain any remaining resource.
Availability		Site is not promoted by landowner or operator. Site is restored and largely used for outdoor recreation with public access.
Deliverability	Infrastructure constraint	Ongoing gas monitoring of the landfill site. More than 500m from 'A' or 'B' class road.
	Human constraint	Housing adjacent to site entrance. An academy within 500m. Within 250m of a listed building.
	Environmental constraint	Within 5km of the River Wye SAC. The site contains ancient and semi-natural woodland. Two LWS pools at the workings. Grade 2 agricultural land. Within 250m of the Yazor Brook. Within flood zone 3.
Date visited		02.11.17
Site visit notes		Former landfill site closed and fenced off, not accessed. Rest of site appears to have been left to naturally regenerate.

**Photograph M01\_1: Edge of landfill**



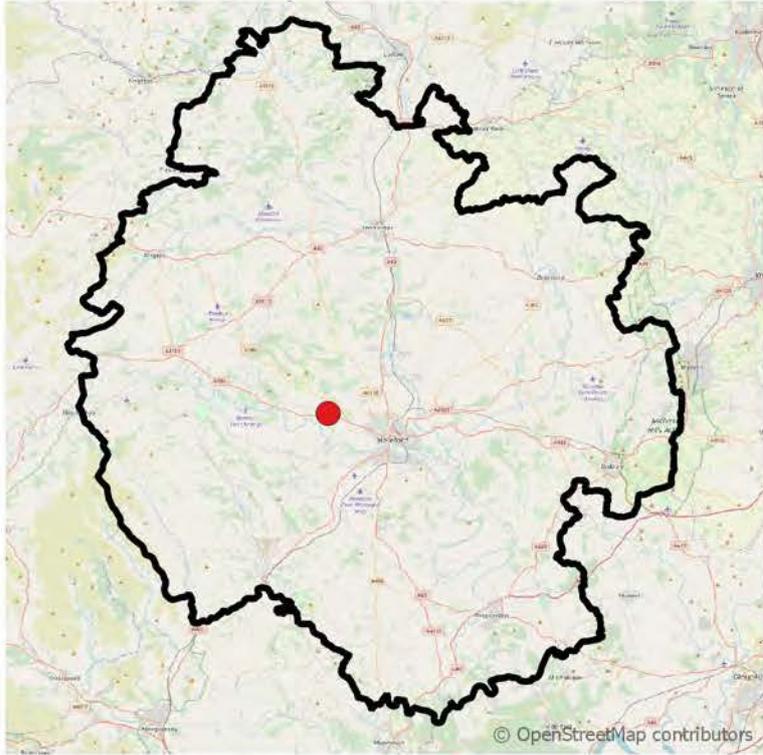
**Photograph M01\_2: Naturally regenerated former area of mineral extraction**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M01 - Stretton Sugwas Quarry (Hereford Quarry)

### Sand and gravel - Restored



**Site Area:** 75.09 ha  
**Postcode:** HR4 7QD  
**Easting:** 345285  
**Northing:** 242277  
**Site Visit Date:** 01.11.2017

Site is restored through naturally regenerated public open space and lake, with no reasonable potential for future mineral extraction.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**



**Sensitive Buildings:**  
**Cultural and Historical Sites:**  
**Airports and Airfields:**  
**MOD Low Fly Zones:**  
**Major River:**  
**Flood Zones:**  
**Source Protection Zones:**  
**Walking Trail:**



## M02: Lugg Bridge Quarry Located north east of Hereford

Mineral extraction has ceased. Site is used for waste purposes although it would also be used to process sand and gravel from Upper Lyde Quarry (M03).

**Table M02: Lugg Bridge Quarry**

Criteria		Notes
Viability		Mineral resource has been worked out and site is now used for recycling CDE waste and concrete batch plant.
Availability		Approval was given in 2005 for restoration of a redundant sand and gravel quarry. Permission in 2013 for change of use to ready mixed concrete plant. Site is not promoted by landowner and no knowledge of any further mineral resource.
Deliverability	Infrastructure constraint	None identified.
	Human constraint	None identified.
	Environmental constraint	Within 5km of River Wye SAC. Within 250m of the River Lugg SSSI. Within 250m of the Lugg and Little Lugg rivers. Within flood zone 3.
Date visited		03.11.17
Site visit notes		Visit for waste purposes confirmed that the site is finished for minerals.

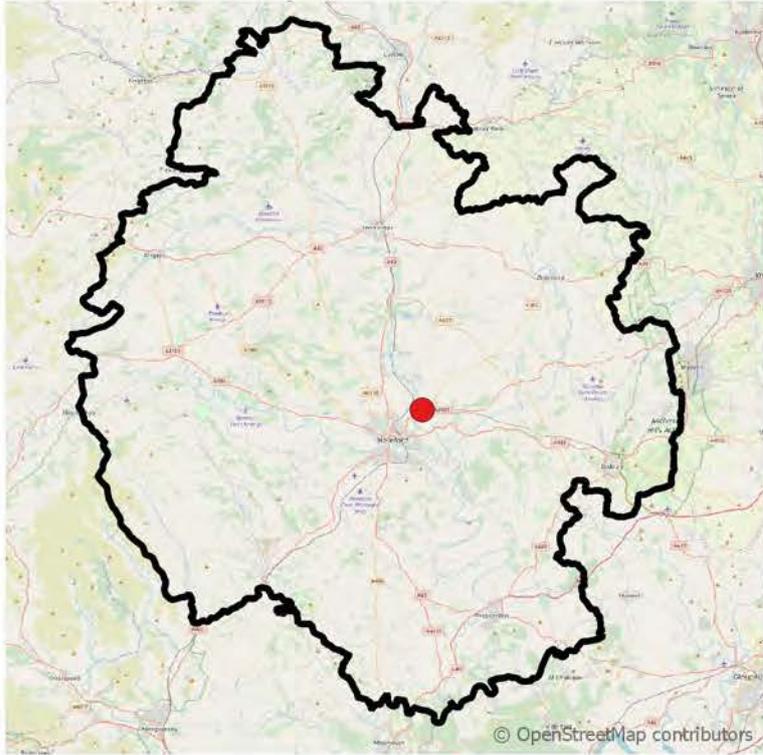
**Photograph M02\_1: Construction, demolition and excavation waste recovery plant**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M02 - Lugg Bridge Quarry

### Sand and gravel - Closed



**Site Area:** 3.13 ha  
**Postcode:** HR1 3LZ  
**Easting:** 353701  
**Northing:** 242600  
**Site Visit Date:** 02.11.2017

Mineral extraction has ceased. Site is used for waste purposes although it would also be used to process sand and gravel from Upper Lyde Quarry (M03).

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M03a: Upper Lyde Quarry Located north of Hereford

A consented site for sand and gravel, the working plan for which sees the site complete within 5 years. The site is not currently operational, but is due to start extraction in 2018 following completion of highway improvements.

**Table M03a: Upper Lyde Quarry**

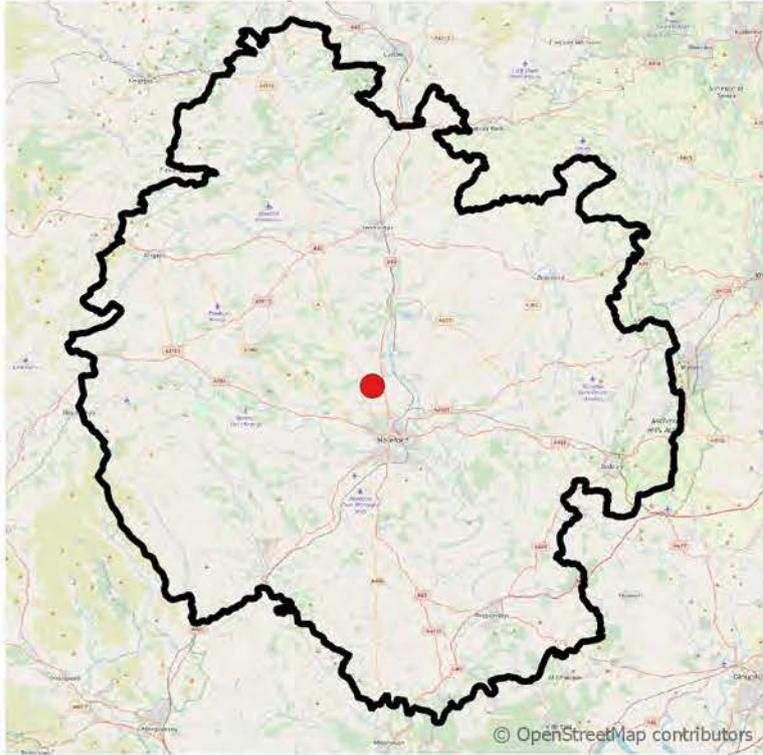
Criteria		Notes
Viability		Consented site for sand and gravel extraction.
Availability		Consent granted for a square area in the centre of the field given for 10 years although working plan sees the site complete in five.
Deliverability	Infrastructure constraint	Highway improvements are due to be implemented enabling site to re-open.
	Human constraint	Housing nearby.
	Environmental constraint	Within 5km of River Wye SAC. Grade 2 agricultural land.
Date visited		03.11.17
Site visit notes		Agricultural field, consented area is an extension of the existing delve. Single track lanes to access the site, linking to A49 and A4110. Housing around the site.

**Photograph M03a\_1: View looking across site M03b toward consented site**



**Site: M03a - Upper Lyde Quarry**

**Sand and gravel - Active**



**Site Area:** 2.8 ha  
**Postcode:** HR4 8AF  
**Easting:** 349242  
**Northing:** 244759  
**Site Visit Date:** 03.11.2017

A consented site for sand and gravel, the working plan for which sees the site complete within 5 years. The site is not currently operational, but is due to start extraction in 2018 following completion of highway improvements.

**Site Criteria**

<p><b>Site Size:</b></p> <p><b>Natura2000:</b></p> <p><b>UK Ecological Sites:</b></p> <p><b>Local Ecological Sites:</b></p> <p><b>Area of Outstanding Natural Beauty and National Parks:</b></p> <p><b>Agricultural Land Classification:</b></p> <p><b>Air Quality Management Areas:</b></p> <p><b>Road Access:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p>
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## M03b: Land adjacent Upper Lyde Quarry (east) Located north of Hereford

The site is an agricultural field and has been proposed for sand and gravel extraction in the Call for Sites.

**Table M03b: Land adjacent Upper Lyde Quarry (east)**

Criteria		Notes
Viability		Together with sites M03c and M03d, there are c 700,000 tonnes of reserve to be worked at 50,000 tpa over 14 years.
Availability		The site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	Water mains cross the site which may be impacted by the proposal.
	Human constraint	Housing closer to this area of the field than to M03a.
	Environmental constraint	Within 5km of River Wye SAC. Grade 2 agricultural land.
Date visited		03.11.17
Site visit notes		Agricultural field, through which the access track for M03a would pass. Single track lanes to access the site, linking to A49 and A4110. Housing closer to this area of the field than the consented site.

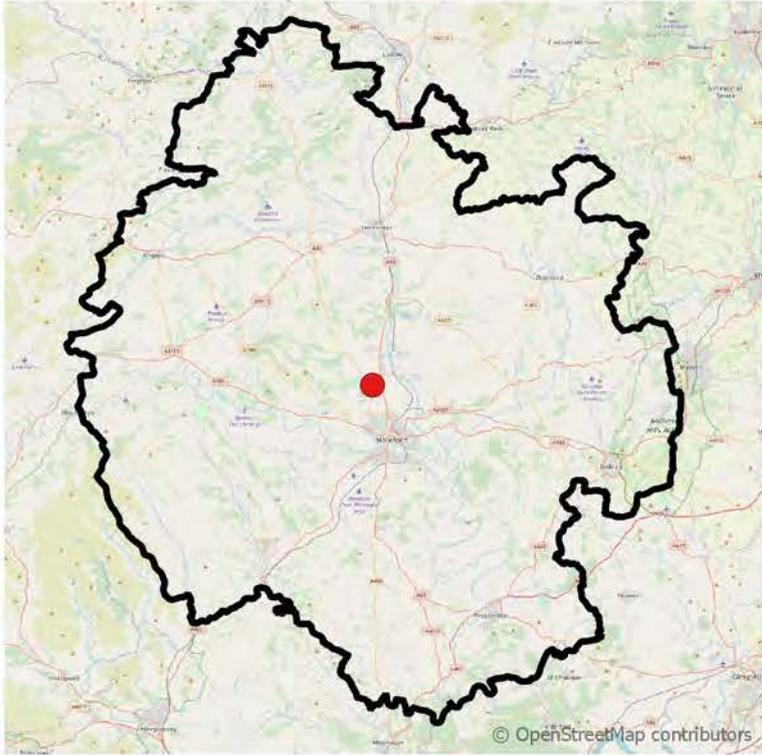
**Photograph M03b\_1: View looking across site M03b toward consented site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M03b - Land adjacent Upper Lyde Quarry (east)

### Sand and gravel - Proposed



**Site Area:** 1.97 ha  
**Postcode:** HR4 8AF  
**Easting:** 349339  
**Northing:** 244841  
**Site Visit Date:** 02.11.2017

The site is an agricultural field and has been proposed for sand and gravel extraction in the Call for Sites.

### Site Criteria

<p>Site Size:</p> <p>Natura2000:</p> <p>UK Ecological Sites:</p> <p>Local Ecological Sites:</p> <p>Area of Outstanding Natural Beauty and National Parks:</p> <p>Agricultural Land Classification:</p> <p>Air Quality Management Areas:</p> <p>Road Access:</p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p>
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## M03c: Land adjacent Upper Lyde Quarry (west) Located north of Hereford

The site is an agricultural field and has been proposed for sand and gravel extraction in the Call for Sites.

**Table M03c: Land adjacent Upper Lyde Quarry (west)**

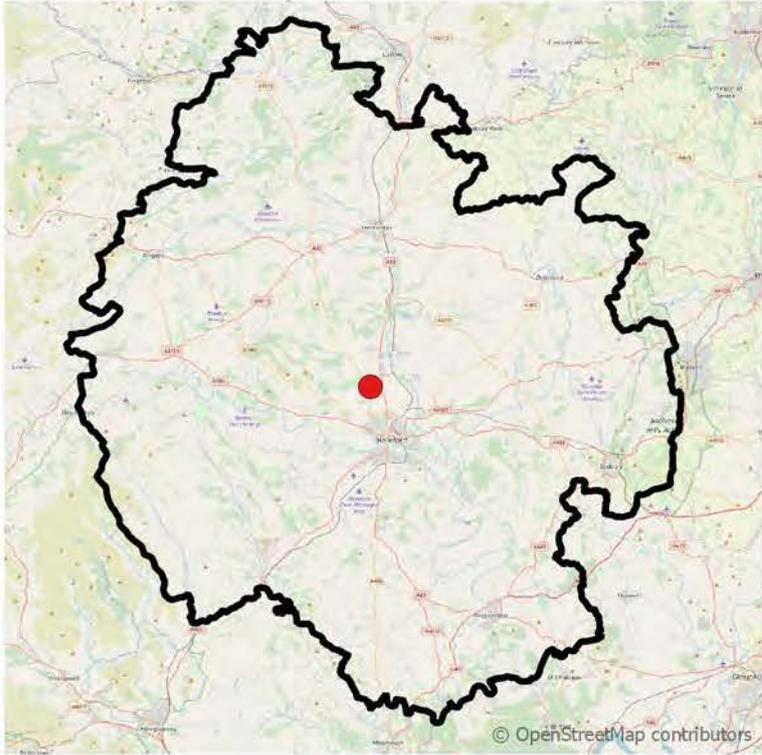
Criteria		Notes
Viability		Together with sites M03b and M03d, there are c 700,000 tonnes of reserve to be worked at 50,000 tpa over 14 years.
Availability		The site has been proposed in the Call for Sites. When access improvements for site M03a have been completed, the site can be worked.
Deliverability	Infrastructure constraint	Water mains cross the site which may be impacted by the proposal.
	Human constraint	Housing closer to this area of the field than to M03a.
	Environmental constraint	Within 5km of River Wye SAC. Grade 2 agricultural land.
Date visited		03.11.17
Site visit notes		Agricultural field the other side of the existing delve to M03a. Would want to see access to the site via the consented route.

**No photograph**

# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M03c - Land adjacent Upper Lyde Quarry (west)

### Sand and gravel - Proposed



**Site Area:** 1.38 ha  
**Postcode:** HR4 8AF  
**Easting:** 349152  
**Northing:** 244689  
**Site Visit Date:** 01.11.2017

The site is an agricultural field and has been proposed for sand and gravel extraction in the Call for Sites.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

<span style="display: inline-block; width: 20px; height: 15px; background-color: red;"></span>	<b>Sensitive Buildings:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: red;"></span>	<b>Cultural and Historical Sites:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: orange;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: orange;"></span>	<b>Airports and Airfields:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: orange;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>	<b>MOD Low Fly Zones:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>	<b>Major River:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: red;"></span>	<b>Flood Zones:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>	<b>Source Protection Zones:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>	<b>Walking Trail:</b>	<span style="display: inline-block; width: 20px; height: 15px; background-color: green;"></span>

## M03d: Land north east of Upper Lyde Quarry Located north of Hereford

The site is an agricultural field and has been proposed for sand and gravel extraction in the Call for Sites.

**Table M03d: Land adjacent Upper Lyde Quarry (east)**

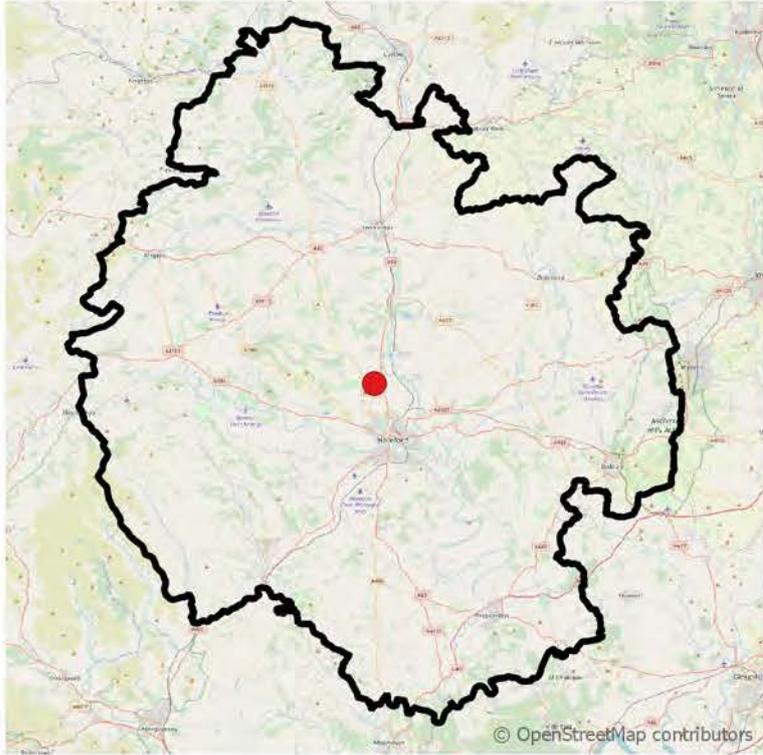
Criteria		Notes
Viability		Together with sites M03c and M03d, there are c 700,000 tonnes of reserve to be worked at 50,000 tpa over 14 years.
Availability		The site has been proposed in the Call for Sites. When access improvements for site M03a have been completed, the site can be worked.
Deliverability	Infrastructure constraint	Water mains cross the site which may be impacted by the proposal. More than 500m from 'A' or 'B' class road
	Human constraint	None identified.
	Environmental constraint	Within 5km of River Wye SAC.
Date visited		03.11.17
Site visit notes		Agricultural field. Single track lanes to access the site, linking to A49 and A4110. Separated from M03a, b and c by a local road, but is further away from housing than other proposed extensions.

**No photograph**

# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M03d - Land north east of Upper Lyde Quarry

### Sand and gravel - Proposed



**Site Area:** 1.25 ha  
**Postcode:** HR4 8AF  
**Easting:** 349423  
**Northing:** 244982  
**Site Visit Date:** 02.11.2017

The site is an agricultural field and has been proposed for sand and gravel extraction in the Call for Sites.

### Site Criteria

<p>Site Size:</p> <p>Natura2000:</p> <p>UK Ecological Sites:</p> <p>Local Ecological Sites:</p> <p>Area of Outstanding Natural Beauty and National Parks:</p> <p>Agricultural Land Classification:</p> <p>Air Quality Management Areas:</p> <p>Road Access:</p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span> Sensitive Buildings:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span> Cultural and Historical Sites:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span> Airports and Airfields:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span> MOD Low Fly Zones:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span> Major River:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span> Flood Zones:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span> Source Protection Zones:</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span> Walking Trail:</p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p>
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## M04: Shobdon Quarry Located north west of Leominster

A sand and gravel site which is currently mothballed but which contains unworked reserves and mineral processing plant on site. Tarmac intends to re-open the site early in the Plan period.

**Table M04: Shobdon Quarry**

Criteria		Notes
Viability		The site contains c. 900,000 tonnes of unworked sand and gravel.
Availability		The company has recently undertaken environmental surveys to support a potential reopening of the site in the next 12 to 18 months.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Within 5km of Shobdon Airfield.
	Human constraint	None identified.
	Environmental constraint	Grade 2 agricultural land. Within 250m of Pinsley Brook. Within flood zone 3.
Date visited		01.11.17
Site visit notes		Good road infrastructure, lies alongside industrial estate and airfield and agricultural land. S&G infrastructure on site, looks dilapidated but site rep advised that it has been surveyed and is in good order with some maintenance and repair. It was last used in 2006. Site is largely overgrown, with lots of poplar trees. Old conveyor still in situ. Piles of gravel throughout the site, silt lagoon visible. Large lake of groundwater at one end, which drains out naturally. S&G used for concrete making only, not building sand. c.50ft depth remaining = 1.2million tonnes.

**Photograph M04\_1: Mineral processing plant on site**



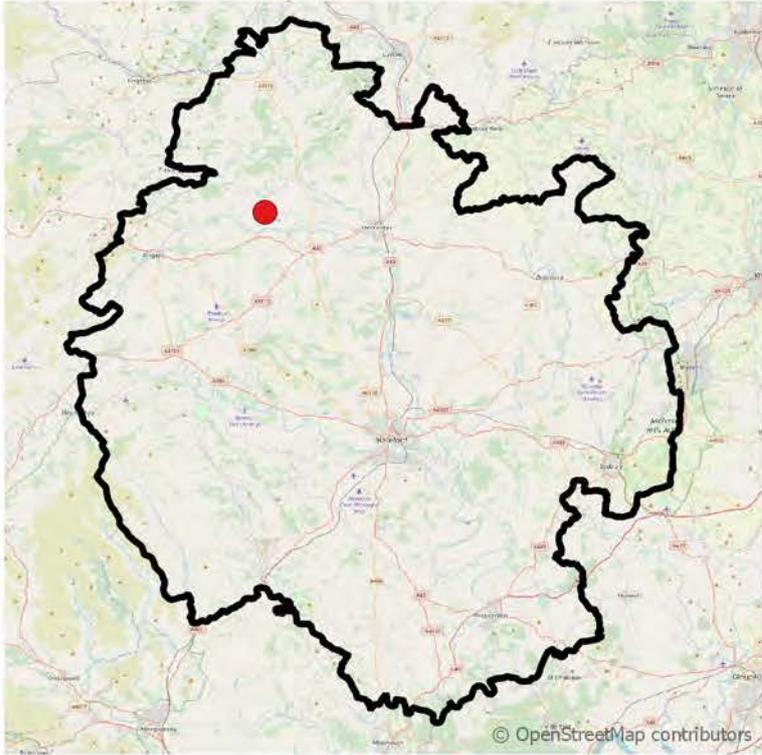
**Photograph M04\_2: Phase 1 restoration**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M04 - Shobdon Quarry

### Sand and gravel - Inactive



**Site Area:** 18.13 ha  
**Postcode:** HR6 9LA  
**Easting:** 339724  
**Northing:** 260430  
**Site Visit Date:** 02.11.2017

A sand and gravel site which is currently mothballed but which contains unworked reserves and mineral processing plant on site. Tarmac intends to re-open the site early in the Plan period.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M05a: Wellington Quarry Located north of Hereford, east and south of Wellington

An active sand and gravel quarry with phased restoration alongside mineral working, plus third party operated ready mixed concrete plant, concrete blockworks and a dedicated railhead. Proposal to extend working area to be submitted in 2018.

**Table M05a: Wellington Quarry**

Criteria		Notes
Viability		An active quarry with resource remaining.
Availability		Operational, due to cease winning and working of mineral by 31 December 2026.
Deliverability	Infrastructure constraint	A49 is a busy road and turning right onto it is tricky. Routes to the east are restricted.
	Human constraint	Some housing to the south. Within 500m of a primary school. Within 250m of eight listed buildings.
	Environmental constraint	Within 5km of River Wye SAC. Within 250m of River Lugg SSSI. Grade 2 agricultural land. Within 250m of the River Lugg. Within flood zone 3.
Date visited		02.11.17
Site visit notes		Good road access via A49, though it is a busy road and turning R onto it is tricky. Also routes to the east are restricted. Entrance road can flood in winter, in which event operator uses entrance through industrial estate and maintains a c.2 week stockpile. Wide range of sand and gravel extracted on site which are both delivered by Tarmac and collected by customers. Staff/equipment on site: 1 x excavator; 1 x dump truck; 1 x plant operator (wash plant); 2 x shovel operators; 1 x supervisor; 1 x site manager. Opens at 7am, lorries arrive from 6.30. Tidy site, fairly open and flat. Digging to about 3 m, c.1m each of top soil and sub soil. Surrounding land is agricultural, village, FP and industrial estate. Phase 1 = complete/restored. Phase 2 = working now. Phase 3 = c18/24months wkg. Railhead: crushed rock from Tarmac quarries in Wales (Dolyhir and Gore) to London; range in size from dust to 14mm, crushed and ready to go on train; up to 3 trains/day at c.1630, 2200 and 0200; 30,000 storage but looking to increase, about 20 wagons carrying 75t each. Concrete block plant: called egg layer; uses 6mm and sand from site plus dust from Wales; blocks left to cure under cover for min 7 days, then stored outside; rejects used for road laying etc on site.

**Photograph M05a\_1: Minerals processing plant on site**



**Photograph M05a\_2: Moreton-on-Lugg rail head**



**Photograph M05a\_3: Working face**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M05a - Wellington Quarry

### Sand and gravel - Active



**Site Area:** 152.54 ha  
**Postcode:** HR4 8BY  
**Easting:** 350656  
**Northing:** 247245  
**Site Visit Date:** 02.11.2017

An active sand and gravel quarry with phased restoration alongside mineral working, plus third party operated ready mixed concrete plant, concrete blockworks and a dedicated railhead. Proposal to extend working area to be submitted in 2018.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## **M05b: Land adjacent Wellington Quarry (west) Located north of Hereford, south east of Wellington**

Agricultural land proposed for working of sand and gravel in the Call for Sites.

**Table M05b: Land adjacent Wellington Quarry (west)**

<b>Criteria</b>		<b>Notes</b>
Viability		Site contains sand and gravel resources.
Availability		Site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	A foul sewer traverses the site, which may be impacted by the proposal. The A49 is a busy road and turning right onto it is tricky. Routes to the east are restricted.
	Human constraint	Within 500m of a primary school. Within 250m of five listed buildings.
	Environmental constraint	Within 5km of River Wye SAC. Grade 2 agricultural land. Within 250m of the Wellington Brook. Within flood zone 3.
Date visited		02.11.17
Site visit notes		Good road access via A49, though it is a busy road and turning R onto it is tricky. Also routes to the east are restricted. Agricultural land, fairly flat, tree line through the middle. Bounded to north by FP and ditch, to east and south by M05a, to west by A49 (with bus stop) and village, including listed buildings, which overlook the site.

**Photograph M05b\_1: View of site, A49 and front properties of Wellington**



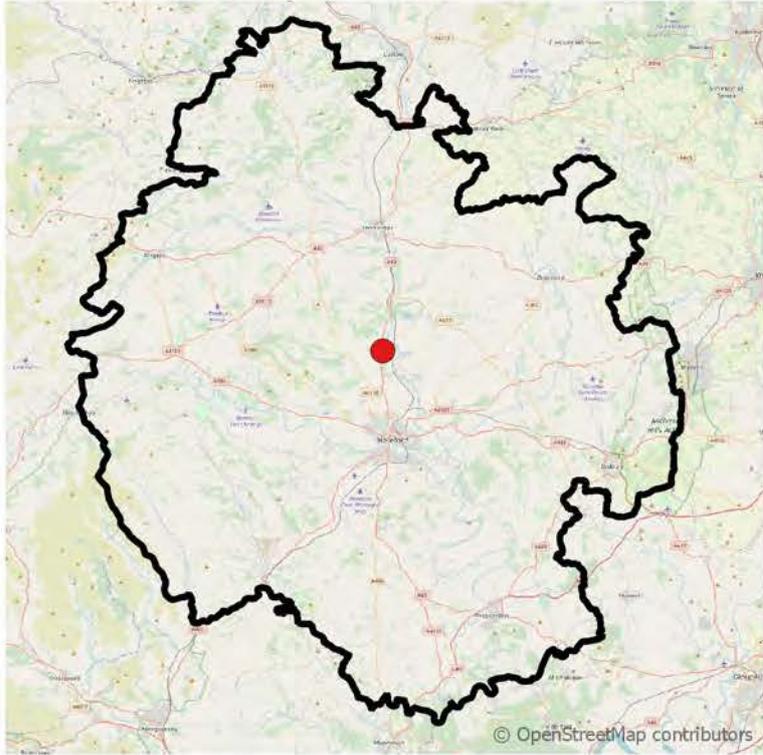
**Photograph M05b\_2: Footpath (and ditch) run along northern boundary of site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M05b - Land adjacent Wellington Quarry (west)

### Sand and gravel - Proposed



**Site Area:** 8.11 ha  
**Postcode:**  
**Easting:** 350168  
**Northing:** 247927  
**Site Visit Date:** 02.11.2017

Agricultural land adjacent to A49 proposed for sand and gravel extraction in the Call for Sites.

### Site Criteria

Site Size:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>	Sensitive Buildings:	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; vertical-align: middle;"></span>
Natura2000:	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; vertical-align: middle;"></span>	Cultural and Historical Sites:	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; vertical-align: middle;"></span>
UK Ecological Sites:	<span style="display: inline-block; width: 20px; height: 10px; background-color: orange; vertical-align: middle;"></span>	Airports and Airfields:	<span style="display: inline-block; width: 20px; height: 10px; background-color: orange; vertical-align: middle;"></span>
Local Ecological Sites:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>	MOD Low Fly Zones:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>
Area of Outstanding Natural Beauty and National Parks:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>	Major River:	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; vertical-align: middle;"></span>
Agricultural Land Classification:	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; vertical-align: middle;"></span>	Flood Zones:	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; vertical-align: middle;"></span>
Air Quality Management Areas:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>	Source Protection Zones:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>
Road Access:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>	Walking Trail:	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; vertical-align: middle;"></span>

## **M05c: Land adjacent Wellington Quarry (north west) Located north of Hereford, east of Wellington**

Agricultural field adjacent to small industrial estate and the A49 proposed for sand and gravel extraction in the Call for Sites.

**Table M05c: Land adjacent Wellington Quarry (north west)**

<b>Criteria</b>		<b>Notes</b>
Viability		Site contains sand and gravel resources. Estimated reserves are c.1,250,000 tonnes.
Availability		Site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	The A49 is a busy road and turning right onto it is tricky. Routes to the east are restricted.
	Human constraint	Within 500m of a primary school. Within 250m of three listed buildings. Footpath within the site.
	Environmental constraint	Within 5km of River Wye SAC. Within 250m of the River Lugg SSSI. Part grade 1 agricultural land. Within 250m of the River Lugg. Within flood zone 3.
Date visited		02.11.17
Site visit notes		Good road access via A49, though it is a busy road and turning R onto it is tricky. Also routes to the east are restricted. Fairly flat arable land with small industrial estate set in. FP crosses north western corner and runs along southern boundary. Would be visible from A49 and adjacent housing.

**Photograph M05c\_1: View of site**



**Photograph M05c\_2: Access to site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M05c - Land adjacent Wellington Quarry (north west)

### Sand and gravel - Proposed



**Site Area:** 20.79 ha  
**Postcode:** HR4 8BY  
**Easting:** 350329  
**Northing:** 248255  
**Site Visit Date:** 03.11.2017

Agricultural field adjacent to small industrial estate and the A49 proposed for sand and gravel extraction in the Call for Sites.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

<p> <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> Sensitive Buildings:  <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> Cultural and Historical Sites:  <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> Airports and Airfields:  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> MOD Low Fly Zones:  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> Major River:  <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span> Flood Zones:  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> Source Protection Zones:  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> Walking Trail:                 </p>
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<p> <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span>  <span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-right: 5px;"></span> </p>
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## M05d: Land adjacent Wellington Quarry (Dinmore Manor Estate)

### Located north of Hereford, north east of Wellington

Agricultural field lying alongside the River Lugg proposed for sand and gravel extraction in the Call for Sites.

**Table M05d: Land adjacent Wellington Quarry (Dinmore Manor Estate)**

Criteria		Notes
Viability		Site contains sand and gravel resources. Estimated reserves are c.1,000,000 tonnes.
Availability		Site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	The A49 is a busy road and turning right onto it is tricky. Routes to the east are restricted.  Utility infrastructure leading across the site.
	Human constraint	Green Farm located to the north west.
	Environmental constraint	The site is located adjacent to the River Lugg SSSI where dewatering from active quarrying continues to represent a potential risk to baseflows within the river as the sand and gravel deposits have a shallow groundwater table in hydraulic continuity with the River Lugg. Extensions to this quarry in the direction of the River Lugg increase the dewatering risks as time goes on as extensions are granted.  Within 5km of River Wye SAC.  Within 250m of River Lugg SSSI.  River Lugg LWS within site.  Within 250m of the River Lugg.  Within flood zone 3.
Date visited		02.11.17
Site visit notes		Good road access via A49, though it is a busy road and turning R onto it is tricky. Also routes to the east are restricted. Fairly flat agricultural field that runs up to the River Lugg. Remaining land for quarry working might be limited once accounted for the aquifer and other buffering with hedges and roads.

**Photograph M05d\_1: View of site toward River Lugg**



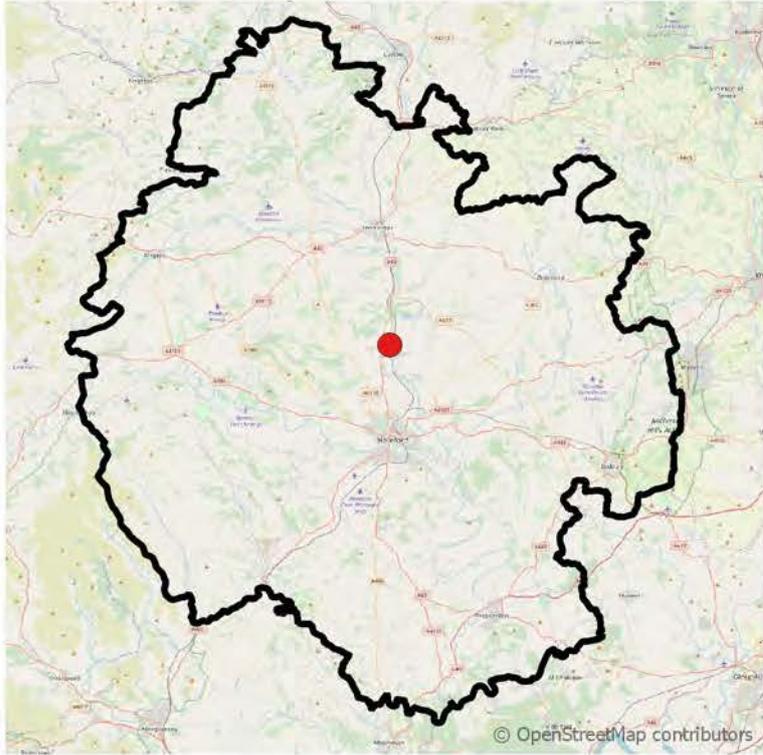
**Photograph M05d\_2: Road access**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M05d - Land adjacent Wellington Quarry (Dinmore Manor Estate)

### Sand and gravel - Proposed



**Site Area:** 24.98 ha  
**Postcode:** HR4 8BY  
**Easting:** 350798  
**Northing:** 248463  
**Site Visit Date:** 03.11.2017

Agricultural field lying alongside the River Lugg proposed for sand and gravel in the Call for Sites.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>
	<b>Cultural and Historical Sites:</b>
	<b>Airports and Airfields:</b>
	<b>MOD Low Fly Zones:</b>
	<b>Major River:</b>
	<b>Flood Zones:</b>
	<b>Source Protection Zones:</b>
	<b>Walking Trail:</b>


## M05e: Land north of Wellington Quarry (east of A49) Located north of Hereford, north of Wellington

Agricultural field proposed for sand and gravel extraction, lying between the A49 and Green Farm.

**Table M05e: Land north of Wellington Quarry (east of A49)**

Criteria		Notes
Viability		Site contains sand and gravel resources.
Availability		Site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	A trunk water main crosses the site and may be impacted by the proposal. The A49 is a busy road and turning right onto it is tricky. Routes to the east are restricted.
	Human constraint	Green Farm on eastern boundary. Within 250m of a listed building.
	Environmental constraint	Within 5km of River Wye SAC. Part grade 1 agricultural land.
Date visited		02.11.17
Site visit notes		Good road access via A49, though it is a busy road and turning R onto it is tricky. Also routes to the west are restricted. Fairly flat agricultural field that runs up to the A49, would be visible from it and housing on the western side. Green Farm on eastern boundary.

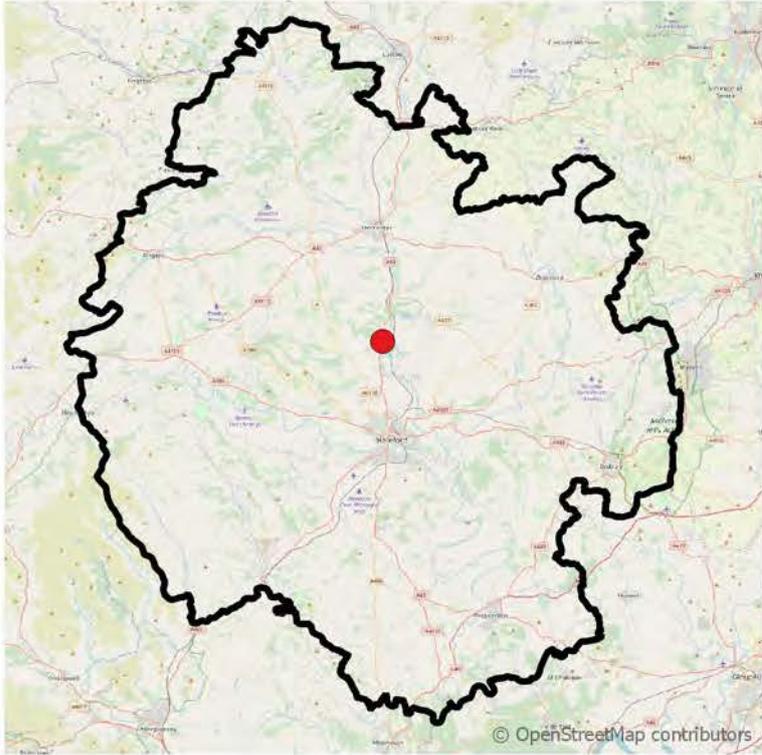
**Photograph M05e\_1: View of site**



# Herefordshire County Council Waste and Minerals Site Assessments

**Site: M05e - Land north of Wellington Quarry (east of A49 )**

**Sand and gravel - Proposed**



**Site Area:** 10.51 ha  
**Postcode:**  
**Easting:** 350241  
**Northing:** 248784  
**Site Visit Date:** 03.11.2017

Agricultural field proposed for sand and gravel extraction., lying between the A49 and Green Farm.

## Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M05f: Land north of Wellington Quarry (west of A49) Located north of Hereford, north of Wellington

Agricultural field proposed for sand and gravel extraction on the west side of the A49.

**Table M05f: Land north of Wellington Quarry (west of A49)**

Criteria		Notes
Viability		Site contains sand and gravel resources.
Availability		Site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	A trunk water main crosses the site and may be impacted by the proposal. The A49 is a busy road and turning right onto it is tricky.
	Human constraint	Potential overlook by housing. Within 500m of a primary school. Within 250m of four listed buildings.
	Environmental constraint	Within 5km of River Wye SAC. Grade 1 or 2 agricultural land.
Date visited		02.11.17
Site visit notes		Good road access via A49, though it is a busy road and turning R onto it is tricky. Adjacent to A49 (east), garden centre and Wellington (south), agricultural land to west and north. Likely overlooked by housing and visible from the A49. Would want to avoid proliferation of sand and gravel infrastructure so how get to that existing at Wellington Quarry?

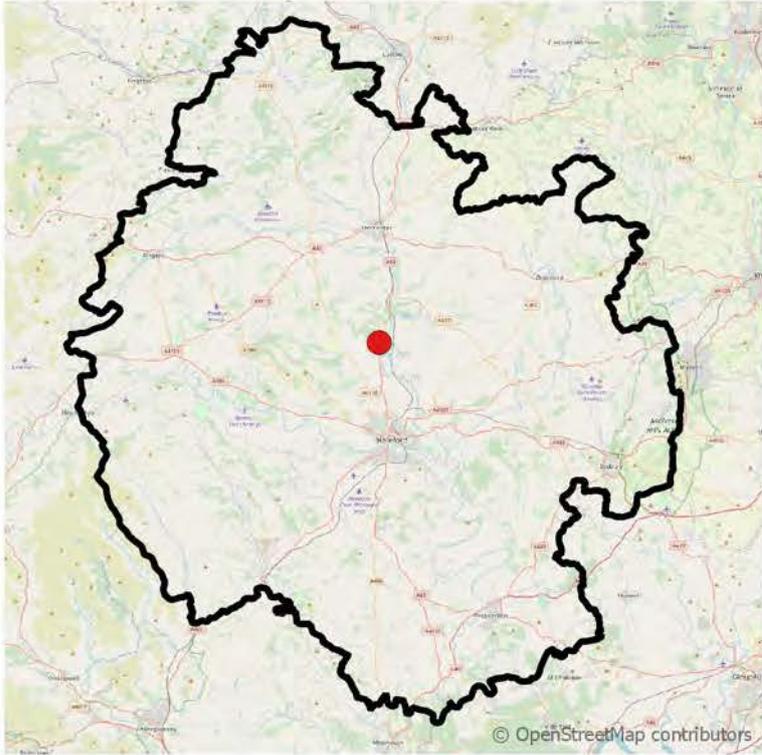
**Photograph M05f\_1: View of site**



# Herefordshire County Council Waste and Minerals Site Assessments

**Site: M05f - Land north of Wellington Quarry (west of A49 )**

**Sand and gravel - Proposed**



**Site Area:** 4.34 ha  
**Postcode:**  
**Easting:** 349938  
**Northing:** 248676  
**Site Visit Date:** not visited

Agricultural field proposed for sand and gravel extraction on the west side of the A49.

## Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>	<b>Sensitive Buildings:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-right: 5px;"></span>	<b>Cultural and Historical Sites:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-right: 5px;"></span>	<b>Airports and Airfields:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>	<b>MOD Low Fly Zones:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>	<b>Major River:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-right: 5px;"></span>	<b>Flood Zones:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>	<b>Source Protection Zones:</b>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>	<b>Walking Trail:</b>

<span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>
<span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-right: 5px;"></span>

## M05g: Land east of Wellington Quarry Located north of Hereford, west of Marden

Agricultural land proposed for working of sand and gravel in the Call for Sites.

**Table M05g: Land east of Wellington Quarry**

Criteria		Notes
Viability		Site contains sand and gravel resources.
Availability		Site has been proposed in the Call for Sites.
Deliverability	Infrastructure constraint	The A49 is a busy road and turning right onto it is tricky. Routes to the east are restricted.  More than 500m from 'A' or 'B' class road.
	Human constraint	Within 250m of eight listed buildings.  A footpath crosses the site.  Potential overlook by housing.
	Environmental constraint	Within 5km of River Wye SAC.  Bounded to the south and south east by the Wellington Brook and River Lugg.  Bounded to the south east by the River Lugg SSSI.  Within flood zone 3.
Date visited		15.02.2018 (late submission)
Site visit notes		Fairly open, flat grassland, very wet underfoot. Adjacent to both railway and river with Marden village to the east. Should avoid traffic accessing this site, should use infrastructure at Wellington Quarry. Overlooked by housing and crossed by footpath that leads over the railway and into Wellington Quarry.

**Photograph M05g\_1: Eastern field**



**Photograph M05g\_2: Land adjacent railway, looking west**

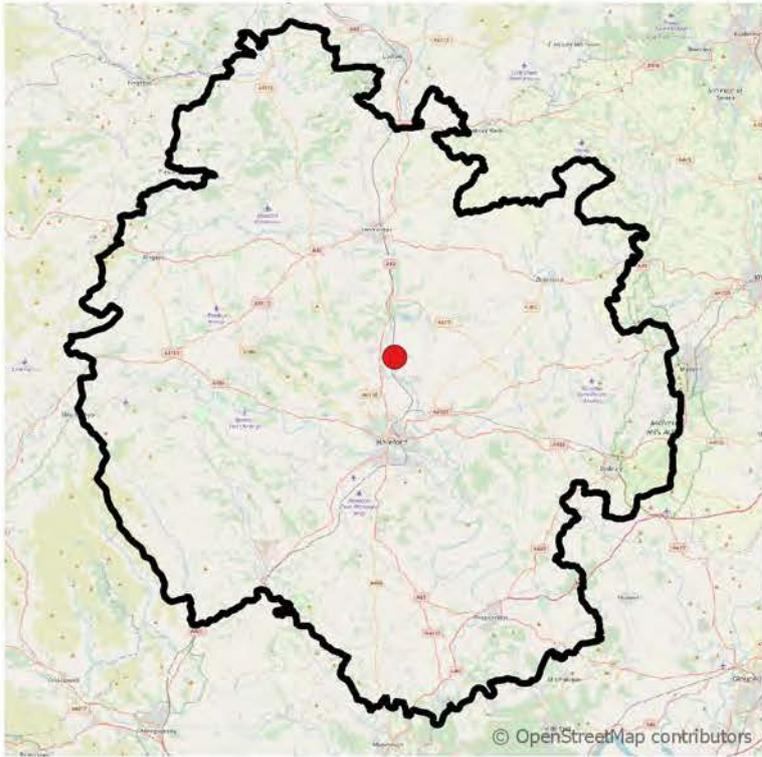


**Photograph M05g\_3: Land adjacent railway, looking east**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M05g - Land east of Wellington Quarry



**Site Area:** 30.49 ha  
**Postcode:**  
**Easting:** 351281  
**Northing:** 247563  
**Site Visit Date:**

Agricultural land proposed for working of sand and gravel in the Call for Sites.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M06: St Donat's Quarry Located north of Hereford, west of Wellington

A closed and restored site in agricultural use. An extension permission granted in 1997 has never been implemented and has now lapsed. Not known whether there is any viable mineral resource.

**Table M06: St Donat's Quarry**

Criteria		Notes
Viability		Not known whether there is any viable mineral resource.
Availability		Not promoted in Call for Sites and land is in agricultural use with significant increase in poultry unit to the south east.
Deliverability	Infrastructure constraint	Original site access has been built over by poultry unit.
	Human constraint	None identified.
	Environmental constraint	Within 5km of River Wye SAC. Grade 2 agricultural land. Within 250m of Moreton Brook. Within flood zone 3.
Date visited		02.11.17
Site visit notes		Agricultural (grass) fields.

**Photograph M06\_1: View of site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M06 - St Donats Quarry

### Sand and gravel - Restored



**Site Area:** 53.05 ha  
**Postcode:** HR4 8NQ  
**Easting:** 348881  
**Northing:** 246323  
**Site Visit Date:** 14.11.2017

A closed and restored site in agricultural use. An extension permission granted in 1997 has never been implemented and has now lapsed. Not known whether there is any viable mineral resource.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M07a: Leinthall Quarry

### Located north of Leinthall Earls, south west of Ludlow

An active limestone quarry with remaining resource, with coating plant and third party concrete batching plant.

**Table M07a: Leinthall Quarry**

Criteria		Notes
Viability		A substantial active site with mineral resource remaining.
Availability		Operational currently. Planning permission requires site to be reclaimed by August 2027.
Deliverability	Infrastructure constraint	Access is less than ideal. More than 500m from 'A' or 'B' class road.
	Human constraint	Within 250m of five listed buildings and a Registered Park.
	Environmental constraint	Located within the hard rock limestone of the Silurian Aymestry Limestone Formation which has been classified as a secondary aquifer. Extensions in the future to the depth and width of this quarry should be subjected to HIA to understand if the water environment could be at risk from quarrying activities.  Within 5km of Downton Gorge SAC.  The site is within 250m of four patches of ancient woodland.  Limekiln LWS within site.
Date visited		02.11.17
Site visit notes		Substantial active limestone quarry with operational coating plant and concrete batching plant (Tarmac operated). Network of covered conveyors and towers on site to take stone from working face to final point prior to discharge off site. Into final phase of quarry, c.4 to 5 years wkg remaining. Currently wkg on 4 faces, each 11-13m in height. Blast c. 1/month. Stone crushed on site and provided at dust to 50mm sizes, used for road building, foundations and pipe laying, e.g. WW pipes at Knighton. Two carriageway road as main highway to site, with single lane road leading to site through Leinthall, this road and hedging is smeared with dust. Housing at entrance to site, with additional housing permitted. Trees retained to protect views into site. Using rejects and overburden to back fill site to make safe and will then be left for natural regeneration.

**Photograph M07a\_1: Site access**



**Photograph M07a\_2: Mineral processing plant**

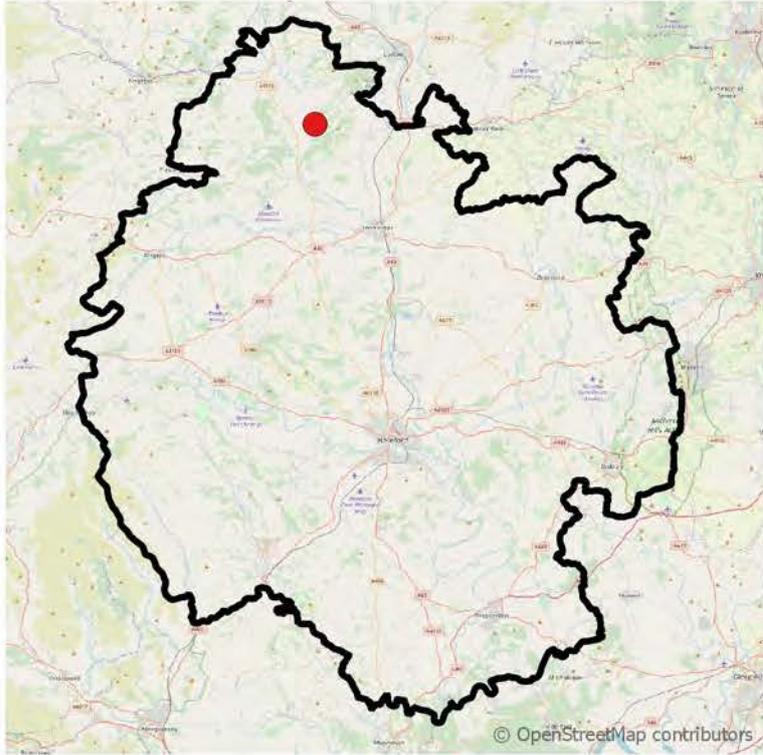


**Photograph M07a\_3: Working faces**



**Site: M07a - Leinthall Quarry**

**Limestone - Active**



**Site Area:** 32.34 ha  
**Postcode:** HR6 9TR  
**Easting:** 344112  
**Northing:** 268381  
**Site Visit Date:** 01.11.2017

An active limestone quarry with remaining resource, with coating plant and third party concrete batching plant.

**Site Criteria**

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M07b: Land west of Leinthall Quarry Located north of Leinthall Earls, south west of Ludlow

An agricultural field sloping steeply away from existing quarry, with substantial limestone resource proposed in the Call for Sites.

**Table M07b: Land west of Leinthall Quarry**

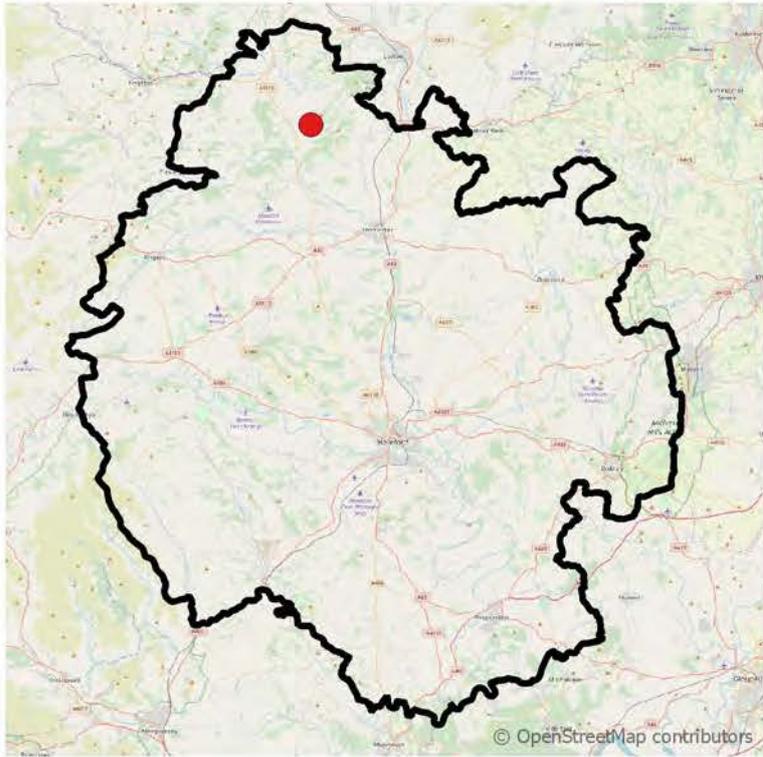
Criteria		Notes
Viability		Limestone in this area has been proven and estimates range up to c. 7 million tonnes.
Availability		Proposed in the Call for Sites.
Deliverability	Infrastructure constraint	Access is less than ideal. More than 500m from 'A' or 'B' class road.
	Human constraint	Extension may be visible from houses.
	Environmental constraint	Located within the hard rock limestone of the Silurian Aymestry Limestone Formation which has been classified as a secondary aquifer. Extensions in the future to the depth and width of this quarry should be subjected to HIA to understand if the water environment could be at risk from quarrying activities.  Within 5km of Downton Gorge SAC.  The site is within 250m of three patches of ancient woodland.
Date visited		02.11.17
Site visit notes		Agricultural land, drops away steeply toward forestry and in southerly direction. Housing on lower land. Valley feature to the south, extension might be visible from properties on the other side.

**Photograph M07b\_1: View of site**



**Site: M07b - Land west of Leinthall Quarry**

**Limestone - Proposed**



**Site Area:** 8.69 ha  
**Postcode:** HR6 9TR  
**Easting:** 343739  
**Northing:** 268515  
**Site Visit Date:** 01.11.2017

An agricultural field sloping steeply away from existing quarry, with substantial limestone resource proposed in the Call for Sites.

**Site Criteria**

<p><b>Site Size:</b></p> <p><b>Natura2000:</b></p> <p><b>UK Ecological Sites:</b></p> <p><b>Local Ecological Sites:</b></p> <p><b>Area of Outstanding Natural Beauty and National Parks:</b></p> <p><b>Agricultural Land Classification:</b></p> <p><b>Air Quality Management Areas:</b></p> <p><b>Road Access:</b></p>	<p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: red; margin-bottom: 5px;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: green; margin-bottom: 5px;"></span></p>
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## M08: Loxter Ashbed Delve

### Located in the east of the county, north of Ledbury

Naturally regenerated former limestone quarry, with public access and information boards and no reasonable potential for future mineral extraction.

**Table M08: Loxter Ashbed Delve**

Criteria		Notes
Viability		Site is closed and restored. No indication that there is any workable resource remaining.
Availability		Site is not proposed by landowner and access road is narrow with houses on the other side of the road.
Deliverability	Infrastructure constraint	Access road is narrow. More than 500m from 'A' or 'B' class road.
	Human constraint	Housing nearby. Within 25m of a Registered Park and Garden.
	Environmental constraint	The site is within 250m of three patches of ancient woodland. Within 1km of the Malvern Hills AONB.
Date visited		03.11.17
Site visit notes		Naturally regenerated limestone quarry - with information boards.

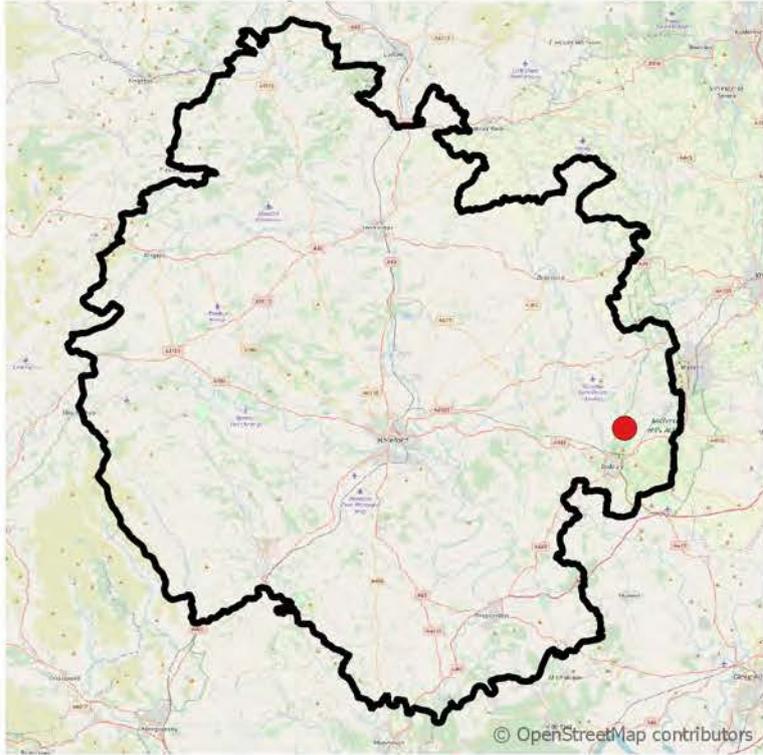
**Photograph M08\_1: View of site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M08 - Loxter Ashbed Delve

### Limestone - Restored



**Site Area:** 0.14 ha  
**Postcode:** HR8 1NU  
**Easting:** 371799  
**Northing:** 240951  
**Site Visit Date:** 01.11.2017

Naturally regenerated former limestone quarry, with public access and information boards and no reasonable potential for future mineral extraction.

### Site Criteria

<p>Site Size:</p> <p>Natura2000:</p> <p>UK Ecological Sites:</p> <p>Local Ecological Sites:</p> <p>Area of Outstanding Natural Beauty and National Parks:</p> <p>Agricultural Land Classification:</p> <p>Air Quality Management Areas:</p> <p>Road Access:</p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p>
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## M09: Nash Scar Quarry

### Located close to the Welsh border, south of Presteigne

A mothballed site with some natural regeneration. The operator claims no intention to work any remaining resource in the foreseeable future but there remains potential to work the existing in situ reserves over the Plan period.

**Table M09: Nash Scar Quarry**

Criteria		Notes
Viability		No information whether there is any viable resource left or not. Faces of old working are high and appear to be unstable and dangerous.
Availability		Operator claims no intention to work any remaining resource in the foreseeable future. Permission was granted in 2011 for an extension of time to submit and agree a restoration and aftercare scheme for the site.
Deliverability	Infrastructure constraint	Road access is very poor.
	Human constraint	Housing at entrance to site.
	Environmental constraint	The site is within 250m of two patches of ancient replanted woodland. Knill Wood, Hazel Point and Nash Wood LWSs within sites.  Within 250m of the River Hindwell.
Date visited		01.11.17
Site visit notes		Limestone quarry that was last worked in 1988 to extract stone for the Ludlow Bypass. Not very good quality stone. It has very steep, very high faces that are unstable, and slipping. Site is generally very overgrown with natural regeneration vegetation, trees growing top and side of faces. Large piles of roadstone/shale on site, deposited a long time ago and used to maintain the site. Easement rights to drive through the site for the local residents (hsg adjacent to the quarry entrance). Deep lagoon on site, fenced off. Single road access to site, directly past housing.

**Photograph M09\_1: Former working face**



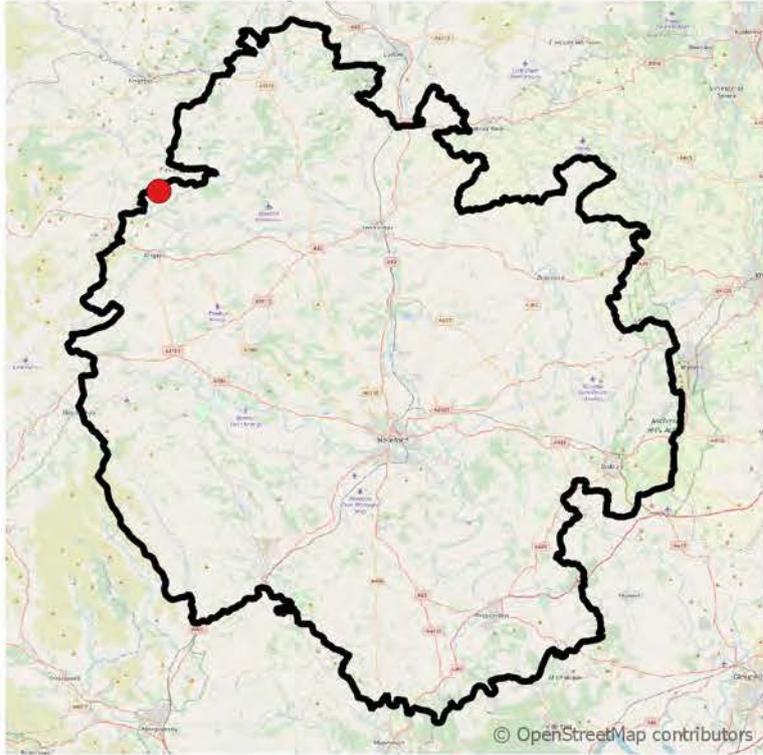
**Photograph M09\_2: Lake**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M09 - Nash Scar Quarry

### Limestone - Mothballed



**Site Area:** 15.64 ha  
**Postcode:** LD8 2LE  
**Easting:** 330156  
**Northing:** 262343  
**Site Visit Date:** 03.11.2017

A mothballed site with some natural regeneration. The operator claims no intention to work any remaining resource in the foreseeable future but there remains potential to work the existing in situ reserves over the Plan period.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M10a: Perton Quarry

### Located east of Hereford, south of Perton

An active limestone quarry with remaining resource, that had recently been extended at time of site visit.

**Table M10a: Perton Quarry**

Criteria		Notes
Viability		Operational quarry with substantial remaining mineral resource.
Availability		Operational currently. All extraction and restoration is to cease by February 2042. Consent has been gained to work the area to the south, with a revised access road already in place.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road.
	Human constraint	A few houses nearby. Within 250m of a Registered Park.
	Environmental constraint	Located within the Silurian Limestone's and shale's of the Woolhope Dome structure, this quarry is within a secondary aquifer. Should an extension be sought, then a HIA should be undertaken to understand any risks to the water environment. An SSSI is noted within the quarry boundary. Although within Flood Zone 1, the site may be at risk of flooding and an SFRA should inform decision-making.  Within 5km of River Wye SAC.  Within 250m of two patches of ancient replanted woodland.  Perton Roadside Section and Quarry SSSI within site.  Within 1km of the Wye Valley AONB.
Date visited		03.11.17
Site visit notes		Operational limestone (some mudstone) quarry with 2 or 3 men working at any one time. Limestone used for road base layers, drainage projects across Herefordshire and Gloucestershire. Worked by Elliotts of Cheltenham. Mudstone used for back fill and 6F5. Blast 2 to 3 times a year, releasing 30 - 40,000 tonnes each time. Site rises steeply to the south, in the direction of working. Newly permitted extension has had top soil removed and new access road installed. Land drops sharply away in all directions. Disparate housing located around the site, visible from distance. Road access to the site is good, with two marked lanes, then using local single track road to access site at Perton.

**Photograph M10a\_1: Working faces**



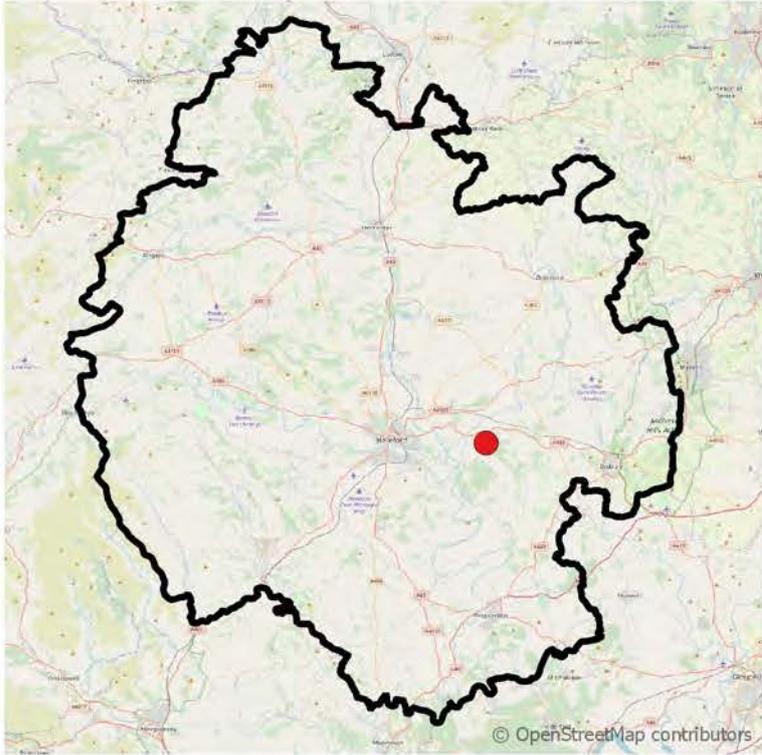
**Photograph M10a\_2: Site entrance**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M10a - Perton Quarry

### Limestone - Active



**Site Area:** 20.48 ha  
**Postcode:** HR1 4ED  
**Easting:** 359500  
**Northing:** 239614  
**Site Visit Date:** 03.11.2017

An active limestone quarry with remaining resource, that had recently been extended at time of site visit.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M10b: Land north west of Perton Quarry Located east of Hereford, south of Perton

Agricultural land sloping steeply away from existing quarry, proposed for extraction in Call for Sites.

**Table M10b: Land north west of Perton Quarry**

Criteria		Notes
Viability		Extent of limestone mineral resource not known.
Availability		Proposed in Call for Sites.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road
	Human constraint	A few houses nearby.
	Environmental constraint	<p>Located within the Silurian Limestone's and shale's of the Woolhope Dome structure, this quarry is within a secondary aquifer. Should an extension be sought, then a HIA should be undertaken to understand any risks to the water environment. An SSSI is noted within the quarry boundary. Although within Flood Zone 1, the site may be at risk of flooding and an SFRA should inform decision-making.</p> <p>Within 5km of River Wye SAC.</p> <p>Perton Roadside Section and Quarry SSSI within site.</p>
Date visited		03.11.17
Site visit notes		Agricultural land, currently maize, drops away sharply from existing quarry. Mixed woodland (conifers etc).

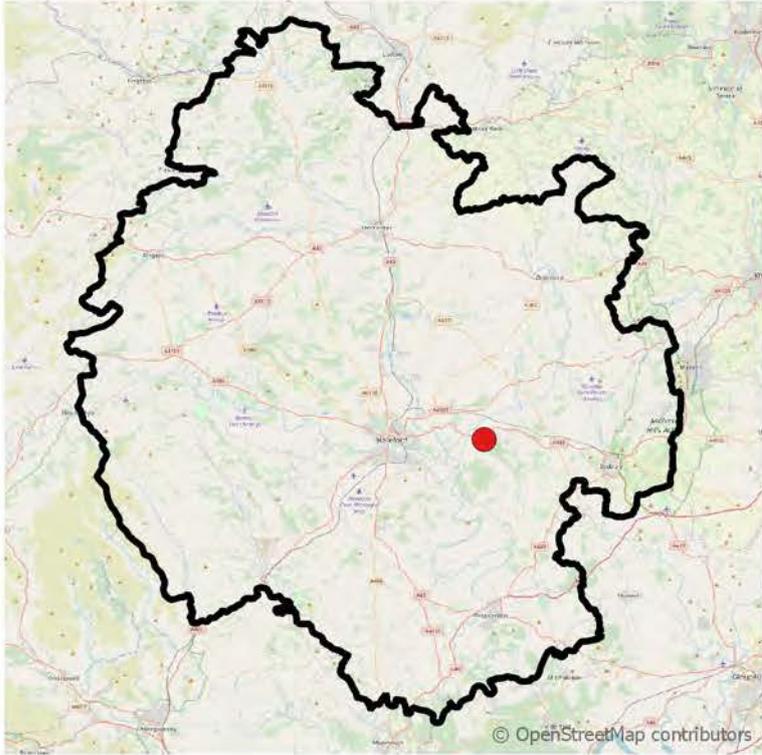
Photograph M10b\_1: View of site



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M10b - Land northwest of Perton Quarry

### Limestone - Proposed



**Site Area:** 3.62 ha  
**Postcode:**  
**Easting:** 359325  
**Northing:** 239933  
**Site Visit Date:** 03.11.2017

Agricultural land sloping steeply away from existing quarry, proposed for extraction in Call for Sites.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M11: Brakes Farm Delve

### Located in the north west of the county, west of Ludlow

Site appears to have been abandoned with no reasonable potential for future mineral extraction and is due to be restored using overburden and soils on site.

**Table M11: Brakes Farm Delve**

Criteria		Notes
Viability		No information about any remaining viable resource.
Availability		Site is not proposed for further working.
Deliverability	Infrastructure constraint	None identified.
	Human constraint	None identified.
	Environmental constraint	Within 5km of Downton Gorge SAC and River Clun SAC. Grade 2 agricultural land.
Date visited		02.11.17
Site visit notes		Site does not appear to have been worked for some time; looks to be closed but is not restored. Some recent(ish) deposits of inert material, but otherwise appears to have been opened - with piles of topsoil and sub soil on the side of the hole - and then left. Road access not bad, single track lane off public highway which leads to agricultural unit.

Photograph M11\_1: View of site



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M11 - Brakes Farm Delve

### Sandstone - Closed



**Site Area:** 0.33 ha  
**Postcode:** SY8 2LF  
**Easting:** 344724  
**Northing:** 275605  
**Site Visit Date:** 01.11.2017

Site appears to have been abandoned with no reasonable potential for future mineral extraction and is due to be restored using overburden and soils on site.

### Site Criteria

<p>Site Size:</p> <p>Natura2000:</p> <p>UK Ecological Sites:</p> <p>Local Ecological Sites:</p> <p>Area of Outstanding Natural Beauty and National Parks:</p> <p>Agricultural Land Classification:</p> <p>Air Quality Management Areas:</p> <p>Road Access:</p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: yellow; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p>
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## M12: Callow Delve

### Located in the far south of the county, west of Whitchurch

Enclosed, active sandstone quarry with poor road access.

**Table M12: Callow Delve**

Criteria		Notes
Viability		An operational site, but no information about the extent of remaining reserves.
Availability		Site is currently operational. Permission given in August 2013 for extension of approved mineral extraction. ROMP due 2026.
Deliverability	Infrastructure constraint	Road access very poor.
	Human constraint	Housing at entrance to site.
	Environmental constraint	<p>EA identifies that quarry is located within the Brownstones formation which is a secondary aquifer. Adjacent to this location is a sensitive groundwater spring source protection zone for public drinking water supply (Welsh Water source) with the Mally Brook separating the two. This aquifer environment is sensitive and any extension to the quarry must ensure protection of these features through an appropriate HIA building in adequate mitigation measures and monitoring requirements to protect the water environment. The site may be a risk of flooding and your SFRA should inform your decision making.</p> <p>Within 5km of Wye Valley Woodlands SAC,, River Wye SAC, Wye Valley and Forest of Dean Bat Sites SAC.</p> <p>The site contains ancient replanted woodland and is within 250m of three other patches of ancient woodland.</p> <p>Woodland at Welsh Newton and Callow Hill LWSs within sites.</p> <p>Within flood zone 3.</p>
Date visited		14.11.17
Site visit notes		Site looks a bit untidy, with large boulders of stone. Material looks quite different from other sandstone delves. Evidence of the landslip across access road - still to be fully cleared. Access is gained via a single lane access that makes a sharp junction with the public highway, also a house situated on the junction.

**Photograph M12\_1: View of entrance**



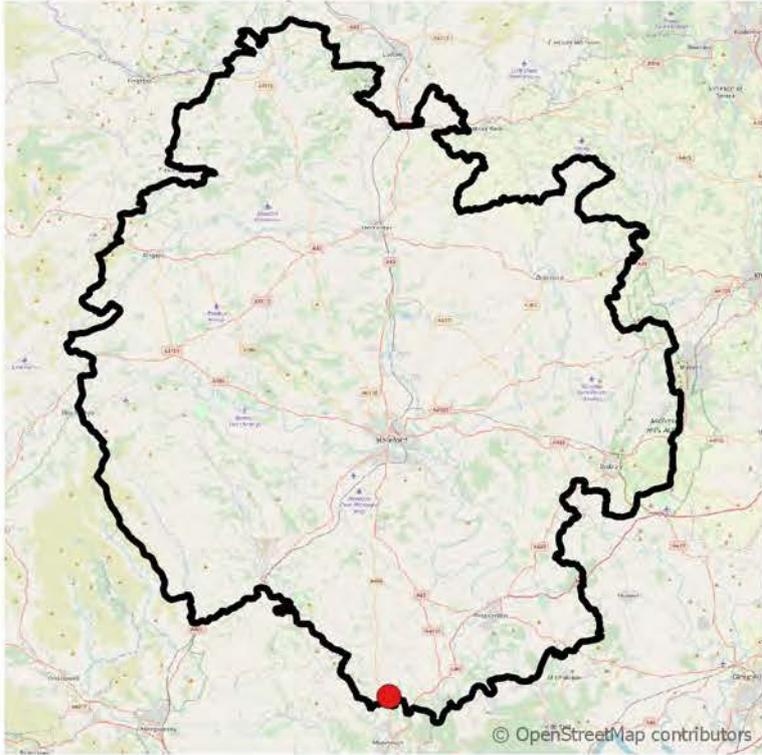
**Photograph M12\_2: View of site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M12 - Callow Delve

### Sandstone - Active



**Site Area:** 3.61 ha  
**Postcode:** NP25 5RL  
**Easting:** 350810  
**Northing:** 216743  
**Site Visit Date:** 02.11.2017

Enclosed, active sandstone quarry with poor road access.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M13: Black Hill Delve (formerly Coed Major) Located south west of the county, east of Black Hill

An active sandstone delve with some limited remaining resource.

**Table M13: Black Hill Delve (formerly Coed Major)**

Criteria		Notes
Viability		Operational delve with a small amount of sandstone resource remaining.
Availability		Currently operational but very small scale, with remaining resource being intended to restore the owner's own property on site.
Deliverability	Infrastructure constraint	Public highway is single track, with long, very rough farm track to site. More than 500m from 'A' or 'B' class road. Within 5km of an MOD Low Fly Zone.
	Human constraint	None identified.
	Environmental constraint	Within 250m of Black Mountains SSSI. Within 250m of ancient and semi-natural woodland. Within 250m of the River Monnow.
Date visited		01.11.17
Site visit notes		Very remote site, public highway generally single track, with long, very rough, farm lane to site. Owner describes site as finished and being restored, although there was little evidence of restoration at site visit. Lots of scrap, rubbish and timbers in the delve with some quarry wastes/overburden used as backfill. Quality described as variable with focus (over next 2 years) being on using it for own house building, some very neat piles of worked stone in front of house. Very open site, located just under the Black Mountain. Has opened what was described as an exploratory delve to south/east of existing.

**Photograph M13\_1: View of site**



**Photograph M13\_2: Sandstone tile stacks, looking toward delve**



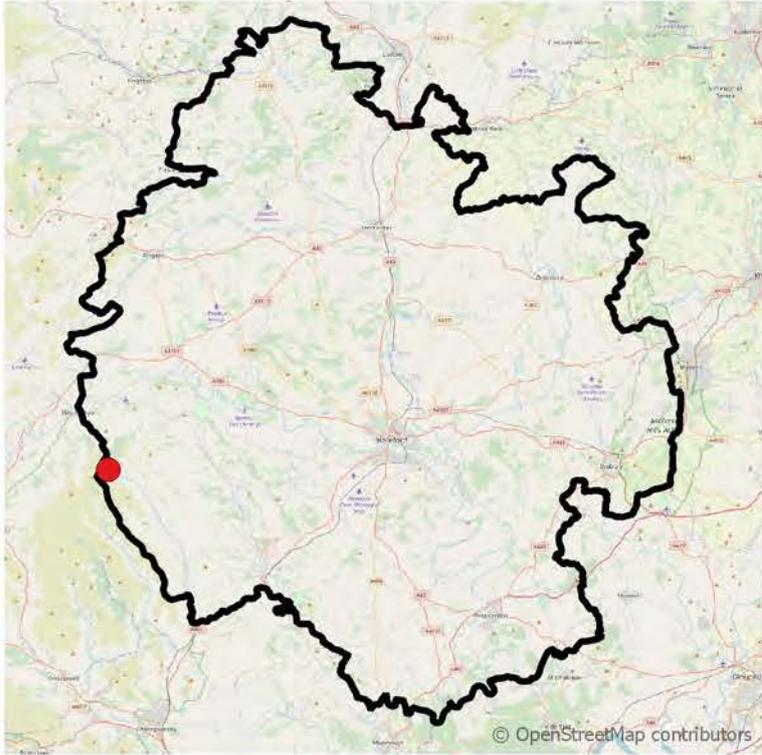
**Photograph M13\_3: Exploratory digging in lower delve (unconsented)**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M13 - Black Hill Delve (formerly Coed Major Delve)

### Sandstone - Active



**Site Area:** 1.38 ha  
**Postcode:** HR2 0PX  
**Easting:** 325711  
**Northing:** 237205  
**Site Visit Date:** 01.11.2017

An active sandstone delve with some limited remaining resource.

### Site Criteria

<p>Site Size:</p> <p>Natura2000:</p> <p>UK Ecological Sites:</p> <p>Local Ecological Sites:</p> <p>Area of Outstanding Natural Beauty and National Parks:</p> <p>Agricultural Land Classification:</p> <p>Air Quality Management Areas:</p> <p>Road Access:</p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; border: 1px solid black;"></span></p>
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## M14: High House Delve

### Located close to the Welsh border, south of Llanveynoe

Approval in August 2002 for extraction of sandstone, but site owner confirmed that the delve was unsuccessful and was never exploited. No potential for future mineral extraction and site has regenerated back to an overgrown field.

Table M14: High House Delve

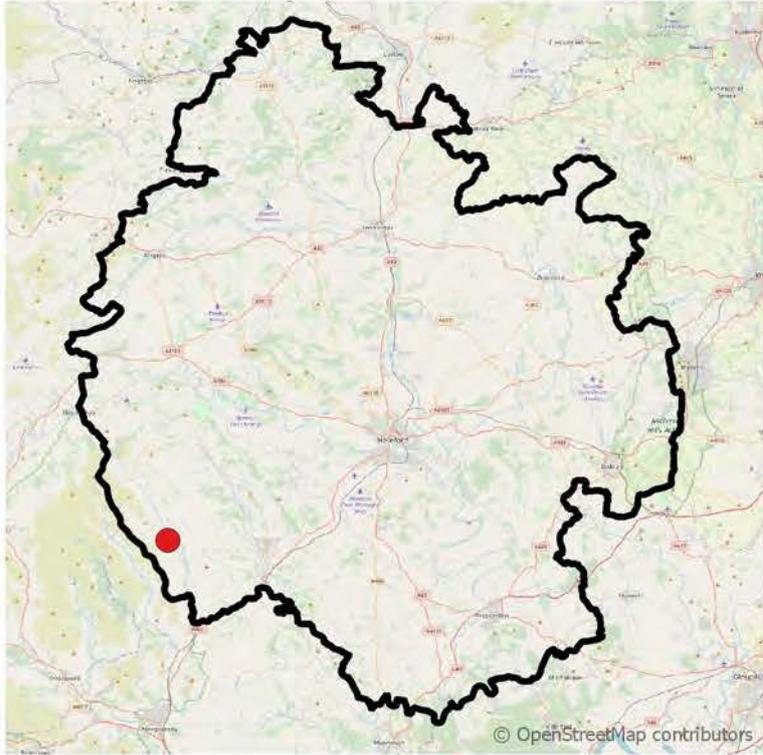
Criteria		Notes
Viability		No viable resource.
Availability		None.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Within 5km of an MOD Low Fly Zone.
	Human constraint	None identified.
	Environmental constraint	None identified.
Date visited	Not visited. Advised not to by site owner.	
Site visit notes		

**No photograph**

# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M14 - High House Delve

### Sandstone - Closed



**Site Area:** 0.2 ha  
**Postcode:** HR2 0ND  
**Easting:** 330951  
**Northing:** 230826  
**Site Visit Date:** 16.11.2017

Approval in August 2002 for extraction of sandstone, but site owner confirmed that the delve was unsuccessful and was never exploited. No potential for future mineral extraction and site has regenerated back to an overgrown field.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M15: Hunters Post Delve

### Located in the far south of the county, near Welsh Newton

A closed and naturally regenerated small-scale sandstone site with no known potential for future mineral extraction.

**Table M15: Hunters Post Delve**

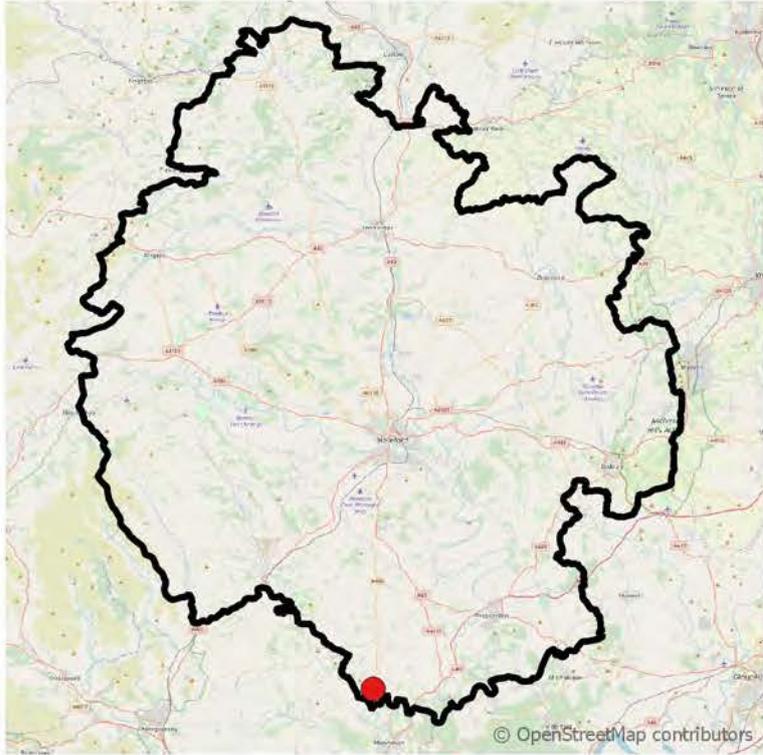
Criteria		Notes
Viability		No information about any viable mineral resource remaining.
Availability		Not promoted for further extraction.
Deliverability	Infrastructure constraint	Road access poor. More than 500m from 'A' or 'B' class road.
	Human constraint	Within 250m of a listed building.
	Environmental constraint	Within 5km of Wye Valley Woodlands SAC, River Wye SAC and Wye Valley and Forest of Dean Bat Sites SAC. Skenchill Wood LWS and adjoining woodlands within site.
Date visited		14.11.17
Site visit notes		Site closed and naturally regenerated.

**Photograph M15\_1: View of site**



**Site: M15 - Hunters Post Delve**

**Sandstone - Closed**



**Site Area:** 1.1 ha  
**Postcode:** NP25 5RW  
**Easting:** 349314  
**Northing:** 217421  
**Site Visit Date:** 02.11.2017

A closed and naturally regenerated small-scale sandstone site with no known potential for future mineral extraction.

**Site Criteria**

<p><b>Site Size:</b></p> <p><b>Natura2000:</b></p> <p><b>UK Ecological Sites:</b></p> <p><b>Local Ecological Sites:</b></p> <p><b>Area of Outstanding Natural Beauty and National Parks:</b></p> <p><b>Agricultural Land Classification:</b></p> <p><b>Air Quality Management Areas:</b></p> <p><b>Road Access:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span></p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: red; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: orange; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: green; margin-bottom: 5px;"></span></p>
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## M16: Llandraw Delve

### Located close to the Welsh border, near Michaelchurch

An active, small-scale sandstone quarry with remaining mineral resource, set within a larger field and benefitting from a wide, dedicated access.

**Table M16: Llandraw Delve**

Criteria		Notes
Viability		Active site, no information about remaining resource.
Availability		Operational. Workings must cease 7 years from date of permission (January 2014).
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Within 5km of an MOD Danger Area and No Fly Zone.
	Human constraint	None identified.
	Environmental constraint	Located in the secondary aquifer of the St. Maughans sandstone bedrock formation within a similar hydrogeological situation to Llandraw Quarry. Due to its proximity on the side of the black mountains many springs and watercourses issue off these slopes. Any proposals to extend should have an HIA to understand if this quarry could be influencing the water environment and what mitigation measures are required to protect water.  Within 250m of the River Monnow.
Date visited		01.11.17
Site visit notes		Tidy looking site, being worked by one man. Has large, dedicated and gated entrance way off local road. Site is on the side of a slope and the land falls away from it, rising up again on the other side.

**Photograph M16\_1: View into site from entrance**



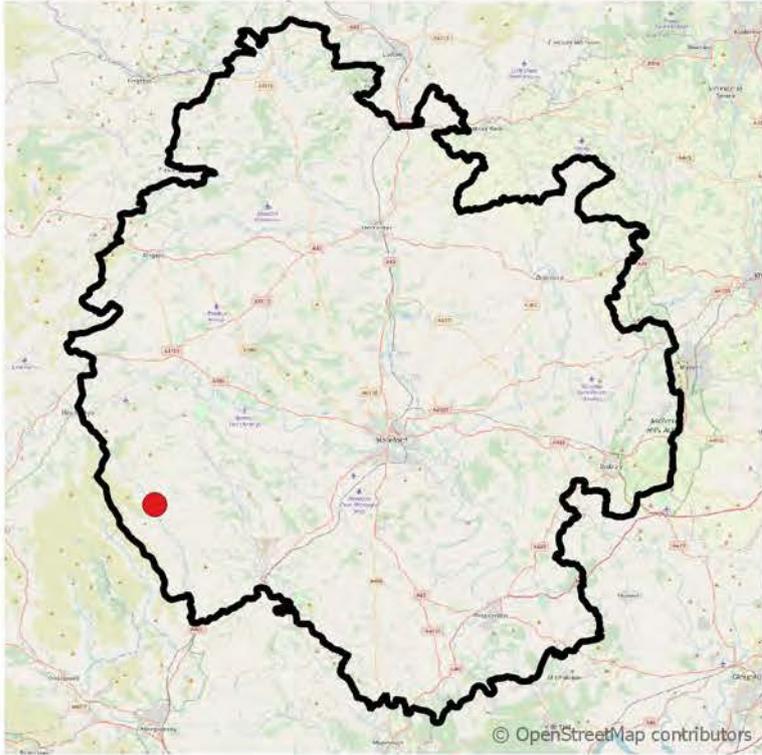
**Photograph M16\_2: View of site in landscape**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M16 - Llandraw Delve

### Sandstone - Active



**Site Area:** 0.61 ha  
**Postcode:** HR2 0PW  
**Easting:** 329866  
**Northing:** 234053  
**Site Visit Date:** 02.11.2017

An active, small-scale sandstone quarry with remaining mineral resource, set within a larger field and benefitting from a wide, dedicated access.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M17: Pennsylvani Delves

### Located close to the Welsh border, west of Hinton

An active small-scale sandstone quarry with limited remaining mineral resource, surrounded by large piles of overburden and soils.

Table M17: Pennsylvani Delves

Criteria		Notes
Viability		An active site but with limited resource remaining and of inferior quality.
Availability		Operational but limited resource remaining. No information about closure/restoration timescales.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Within 5km of an MOD Danger Area and No Fly Zone.
	Human constraint	None identified.
	Environmental constraint	Within 250m of Caeiron Meadow SSSI and Pikes Farm Meadows SSSI.
Date visited		01.11.17
Site visit notes		Site visible from access point on public highway, comprising local, one lane road. Large piles of overburden form the edge of the site. ISO container used for shelter by those working on site, c.3 days a week. Site manager also a local builder so splits his time between projects and site. Extract stone tiles, flag stone, building stone. Finding stone now coming out warped so looking to backfill this delve and move into adjacent delve.

**Photograph M17\_1: View of site from road**



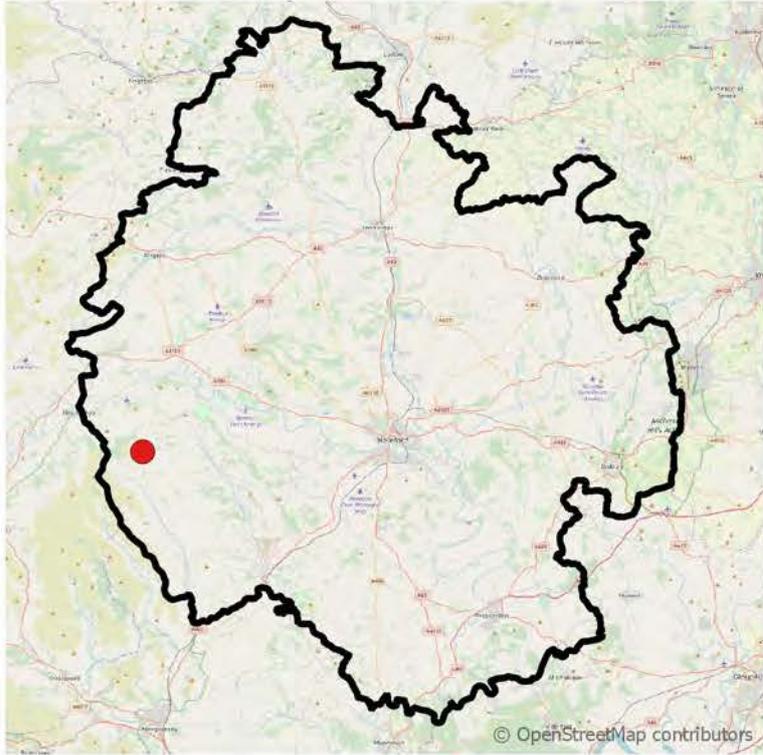
**Photograph M17\_2: Equipment within the site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M17 - Pennsylvani Delves

### Sandstone - Active



**Site Area:** 1.56 ha  
**Postcode:** HR2 0PU  
**Easting:** 328694  
**Northing:** 238825  
**Site Visit Date:** 02.11.2017

An active small-scale sandstone quarry with limited remaining mineral resource, surrounded by large piles of overburden and soils.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M18: Sunnybank Delve

### Located close to the Welsh border, west of Hinton

An active, small-scale sandstone quarry with resource remaining, set within a larger field and very rural location.

**Table M18: Sunnybank Delve**

Criteria		Notes
Viability		Active site, no information about remaining resource.
Availability		Operational, no information about closure/restoration timescales.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Within 5km of an MOD Danger Area and No Fly Zone.
	Human constraint	Within 250m of several listed buildings, potentially five.
	Environmental constraint	Within 250m of Pikes Farm Meadows SSSI.
Date visited		01.11.17
Site visit notes		Very tidy site, extracting tiles, flags and headstones, generally sold within a 50 mile radius. Mr Muhl works alone and has plenty of reserve left but considers site might be sold in the next 12/24 months on account of prospective change in ownership. Road access via local roads and site access track leads past remote house. Site is set into hillside with land rolling away. Very rural.

**Photograph M18\_1: View of site**



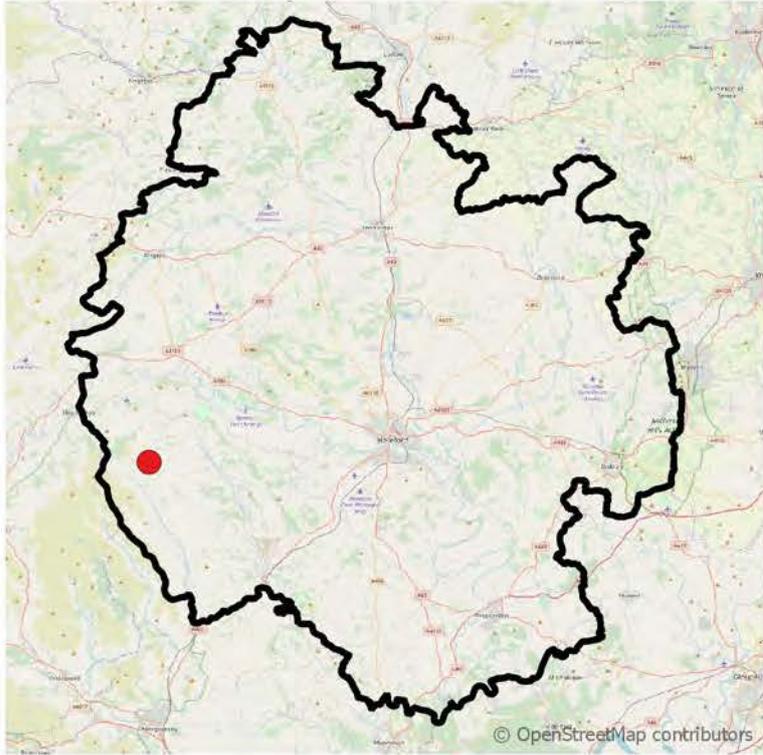
**Photograph M18\_2: Processed sandstone stacked within the site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M18 - Sunnybank Delve

### Sandstone - Active



**Site Area:** 0.42 ha  
**Postcode:** HR2 0LA  
**Easting:** 329269  
**Northing:** 237884  
**Site Visit Date:** 03.11.2017

An active, small-scale sandstone quarry with resource remaining, set within a larger field and very rural location.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M19: Tybubach Delve

### Located close to the Welsh border, north of Llanveynoe

Delve has been opened but appears to have been abandoned and quality of stone looks poor. Site due to be restored using overburden and soils on site.

**Table M19: Tybubach Delve**

Criteria		Notes
Viability		An active quarry but no information about remaining resource.
Availability		Quarry is active but current operations are very limited. No information about landowner's future intentions.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Within 5km of an MOD Danger Area and No Fly Zone.
	Human constraint	Housing and conference facilities adjacent.
	Environmental constraint	Located in the secondary aquifer of the St. Maughans sandstone bedrock formation within a similar hydrogeological situation to Llandraw Quarry. Due to its proximity on the side of the black mountains many springs and watercourses issue off these slopes. Any proposals to extend should have an HIA to understand if this quarry could be influencing the water environment and what mitigation measures are required to protect water.  Within 250m of the River Monnow.
Date visited		01.11.17
Site visit notes		Site looks to be being filled with some recent deposits look to have been made. Access via local road with access road leading past a house. Agricultural land surrounding, adjacent outdoor activity centre/conference.

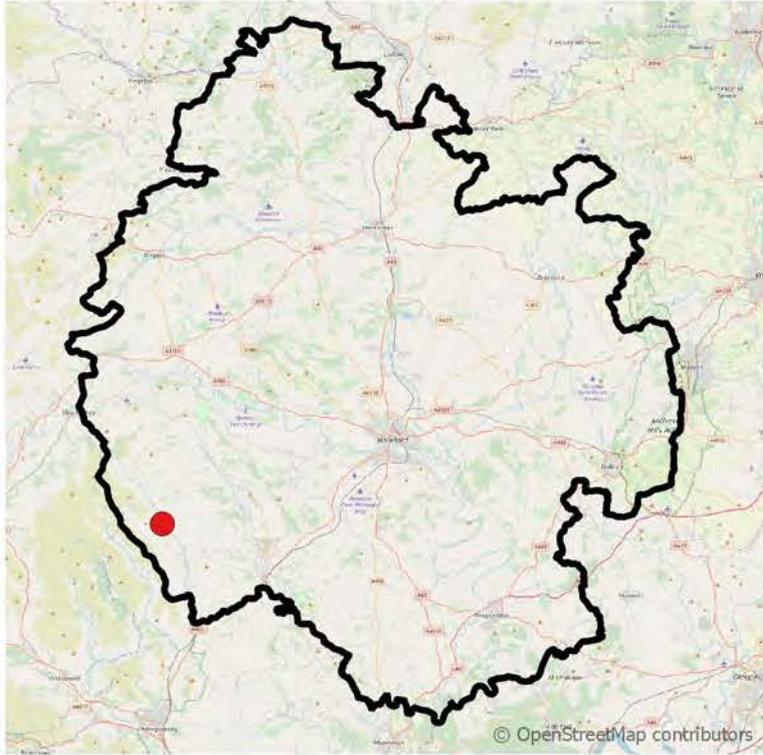
**Photograph M19\_1: View of site**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M19 - Tybubach Delve

### Sandstone - Closed



**Site Area:** 0.52 ha  
**Postcode:** HR2 0PJ  
**Easting:** 330454  
**Northing:** 232312  
**Site Visit Date:** 14.11.2017

Delve has been opened but appears to have been abandoned and quality of stone looks poor. Site due to be restored using overburden and soils on site.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M20: Westonhill Wood Delves

### Located west of the county, near Bredwardine

An active sandstone quarry with several working delves set within the depths of the wood, not visible from the public highway, though poor access arrangements.

**Table M20: Westonhill Wood Delves**

Criteria		Notes
Viability		Operational quarry. No information about remaining resource.
Availability		Operational, with permission in March 2014 to extend life of existing quarry and alter site areas for good access to quality stone. Development and restoration must cease not later than 25 years from date of permission.
Deliverability	Infrastructure constraint	Poor junction with highway. Site is within 5km of an airfield.
	Human constraint	Some houses on access route. Within 250m of a listed building.
	Environmental constraint	Located on secondary aquifer of the Devonian. Numerous springs issue from the aquifer on the escarpment area and flow as watercourses to the River Wye down in the valley. Any extension to this quarry should be subject to HIA to understand risks to the water environment.  Within 5km of River Wye SAC.  Coincides with ancient semi-natural and replanted woodland and is within 250m of the River Wye SSSI.  Merbach Hill, Benfield Park and Westonhill Wood LWSs within site.  Grade 2 agricultural land.
Date visited		01.11.17
Site visit notes		Sandstone delves located in depths of the wood. Different areas used for different purposes, large stockpile of overburden, working area, evidence of previous delves not having been restored but being used for storage, equipment storage and crushing area close to owners house. Site not visible from the public highway - quite difficult to find the access route in, although more than one property use the site access. Public highway is local road, very windy and busy. Access onto it has poor sight lines. Site is known as Westonhill Quarries and is processed at Eardisley Sawmills.

**Photograph M20\_1: Working face**



**Photograph M20\_2: Internal access track**



**Photograph M20\_3: Former worked area and tipped overburden**

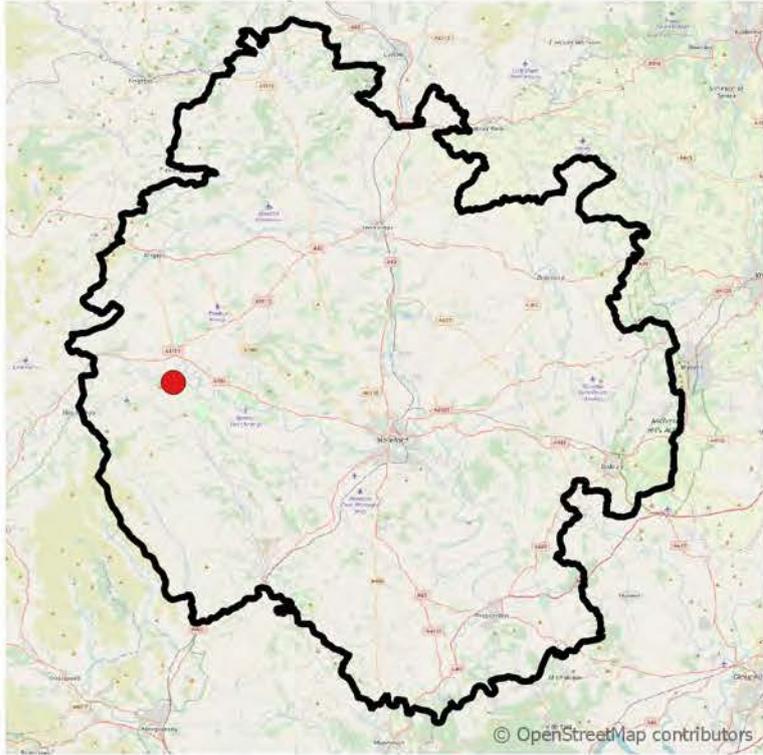


**Photograph M20\_4: Working area**



**Site: M20 - Westonhill Wood Delve**

**Sandstone - Active**



**Site Area:** 73.41 ha  
**Postcode:** HR3 6DE  
**Easting:** 331442  
**Northing:** 245082  
**Site Visit Date:** 02.11.2017

An active sandstone quarry with several working delves set within the depths of the wood, not visible from the public highway, though poor access arrangements.

**Site Criteria**

<p><b>Site Size:</b></p> <p><b>Natura2000:</b></p> <p><b>UK Ecological Sites:</b></p> <p><b>Local Ecological Sites:</b></p> <p><b>Area of Outstanding Natural Beauty and National Parks:</b></p> <p><b>Agricultural Land Classification:</b></p> <p><b>Air Quality Management Areas:</b></p> <p><b>Road Access:</b></p>	<p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p>	<p><b>Sensitive Buildings:</b></p> <p><b>Cultural and Historical Sites:</b></p> <p><b>Airports and Airfields:</b></p> <p><b>MOD Low Fly Zones:</b></p> <p><b>Major River:</b></p> <p><b>Flood Zones:</b></p> <p><b>Source Protection Zones:</b></p> <p><b>Walking Trail:</b></p>	<p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p> <p>■</p>
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## M21: Howle Hill Quarry

### Located in the far south of the county, near Mitcheldean

A closed coal site restored to grassland with no known potential for future mineral extraction.

**Table M21: Howle Hill Quarry**

Criteria		Notes
Viability		Site is restored and no information about any remaining viable resource.
Availability		None.
Deliverability	Infrastructure constraint	More than 500m from 'A' or 'B' class road. Rural site with narrow winding access roads. Site is within 5km of an airfield.
	Human constraint	Housing along access roads.
	Environmental constraint	Within 5km of Wye Valley and Forest of Dean Bat Sites SAC, River Wye SAC and Wye Valley Woodlands SAC. The site is within 250m of ancient and semi-natural woodland. Within Wye Valley AONB.
Date visited		16.11.17
Site visit notes		Grassy field, local roads for access.

**Photograph M20\_1: View of site**

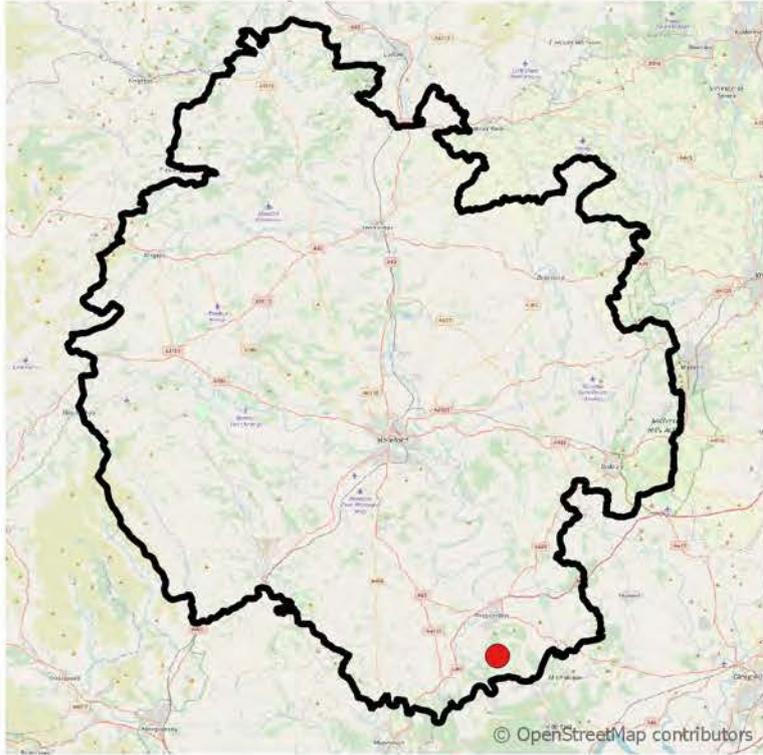


Note: It was later felt that the site might actually have been land on the opposite side of the road, also restored to grassland

# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M21 - Howle Hill Quarry

### Coal - Restored



**Site Area:** 0.81 ha  
**Postcode:** HR9 5SH  
**Easting:** 360425  
**Northing:** 220392  
**Site Visit Date:** 01.11.2017

A closed coal site restored to grassland with no known potential for future mineral extraction.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	

## M22: South Hide Farm and South End Farm Located in the far east of the county, west of Great Malvern

Agricultural land proposed for sand and gravel in Call for Sites in very rural location, with narrow winding lanes with housing alongside.

**Table M22: South Hide Farm and South End Farm**

Criteria		Notes
Viability		No information about the extent of any viable resource.
Availability		Promoted in Call for Sites.
Deliverability	Infrastructure constraint	Rural site with narrow winding access roads. More than 500m from 'A' or 'B' class road.
	Human constraint	Housing along access roads. Listed buildings in Mathon and at South End.
	Environmental constraint	Within Malvern Hills AONB. Within 250m of Cradley Brook. Within flood zone 3.
Date visited		03.11.17
Site visit notes		Very rural area, agricultural land (predominantly dairy). Network of single carriage lanes that meander between village centres, lots of housing on road side. Mathon quite compact village with housing adjacent the road as it passes through. At Warners Farm there remains the Cullimore Gravels sign and an old gravel lake is evident, signed as deep water. Questionable how one would get material out from site.

**Photograph M22\_1: South End Lane.**



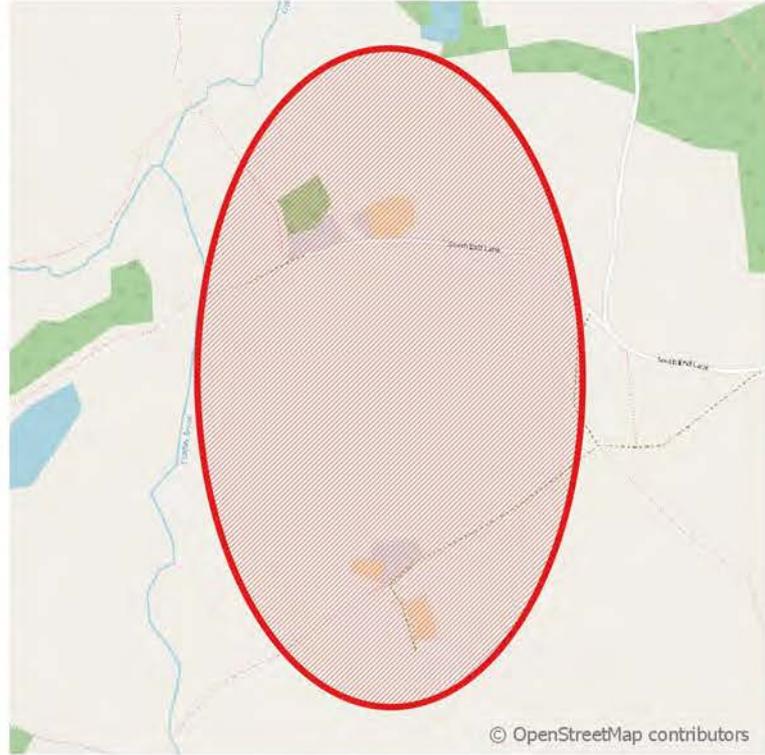
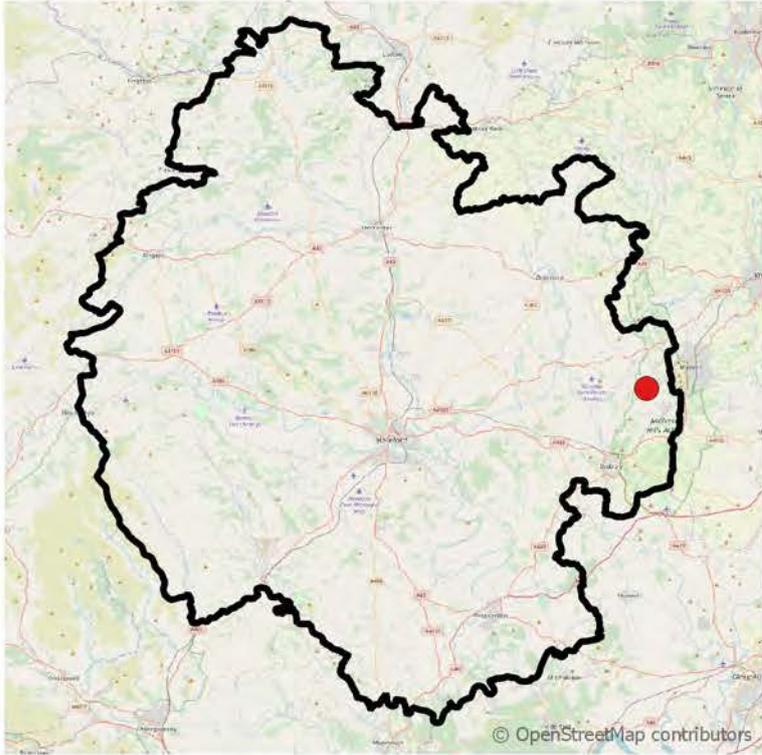
**Photograph M22\_2: South Hyde Lane**



# Herefordshire County Council Waste and Minerals Site Assessments

## Site: M22 - Mathon - South Hyde Area

### Sand and gravel - Proposed



**Site Area:** 68.18 ha  
**Postcode:**  
**Easting:** 373858  
**Northing:** 244534  
**Site Visit Date:** 03.11.2017

Agricultural land proposed for sand and gravel in Call for Sites in very rural location, with narrow winding lanes with housing alongside.

### Site Criteria

**Site Size:**  
**Natura2000:**  
**UK Ecological Sites:**  
**Local Ecological Sites:**  
**Area of Outstanding Natural Beauty and National Parks:**  
**Agricultural Land Classification:**  
**Air Quality Management Areas:**  
**Road Access:**

	<b>Sensitive Buildings:</b>	
	<b>Cultural and Historical Sites:</b>	
	<b>Airports and Airfields:</b>	
	<b>MOD Low Fly Zones:</b>	
	<b>Major River:</b>	
	<b>Flood Zones:</b>	
	<b>Source Protection Zones:</b>	
	<b>Walking Trail:</b>	