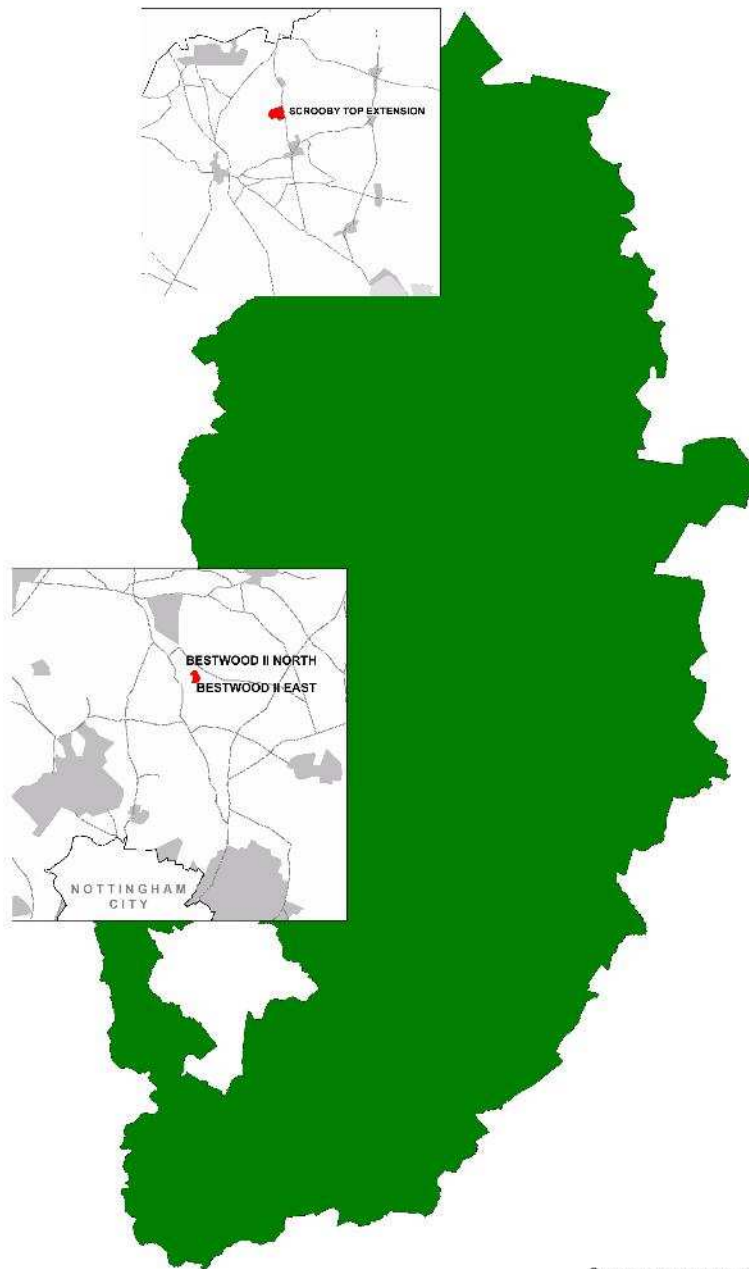




## Nottinghamshire Minerals Local Plan

Summary of **Sherwood Sandstone** proposals put forward for consideration.

Published March 2018





## Contents

<b>Introduction</b> .....	3
<b>Plan key</b> .....	2
<b>Location plan</b> .....	3
<b>Scrooby Top Northern Extension</b> .....	4
<b>Bestwood II (East)</b> .....	11
<b>Bestwood II (North)</b> .....	15
<b>Appendix A – Information required through the call for sites exercise</b> .....	18

## **Introduction**

As part of the Minerals Local Plan evidence gathering process, a call for sites exercise has been completed. This exercise invited the minerals industry and other relevant parties to put forward quarry proposals they wished to be considered for allocation in the emerging Nottinghamshire Minerals Local Plan.











This document sets out a summary of the key information put forward by the industry on a site by site basis, however it is important to note that the information has not been endorsed by, or reflect the views of the County Council.

As part of the development of the Minerals Local Plan, a range of site specific assessments will be undertaken. This assessment work will then inform the identification of site specific allocations included in the plan, and will ensure that the sites are deliverable, realistic and achievable and can contribute to providing a steady and adequate supply of minerals over the plan period.

This document will be updated if further information is provided by the site proposers.

A detailed list of information was required with the proposals and this can be found in Appendix A

## Plan key

<b>Key to Maps</b>	
	<b>Proposed Site</b>
	<b>Proposed Processing Plant (relevant to the site)</b>
	<b>Existing / Recently Worked Minerals Workings</b>
	<b>Existing/ permitted processing plant</b>
	<b>County Boundary</b>
	<b>SSSI – Site of Special Scientific Interest</b>
	<b>SINC – Site of Important Nature Conservation (Bio)</b>
	<b>SINC – Site of Importance for Nature Conservation (Geo)</b>
	<b>Footpath</b>
	<b>Bridlepath</b>

Source: British Geological Survey. 2013. Digital Geological Map of Great Britain 1:625 000 scale (DiGMapGB-625) Superficial Deposits data[CD-Rom]. Version 1.10. Keyworth. Nottingham. British Geological Survey. Release data 30-04-2013.

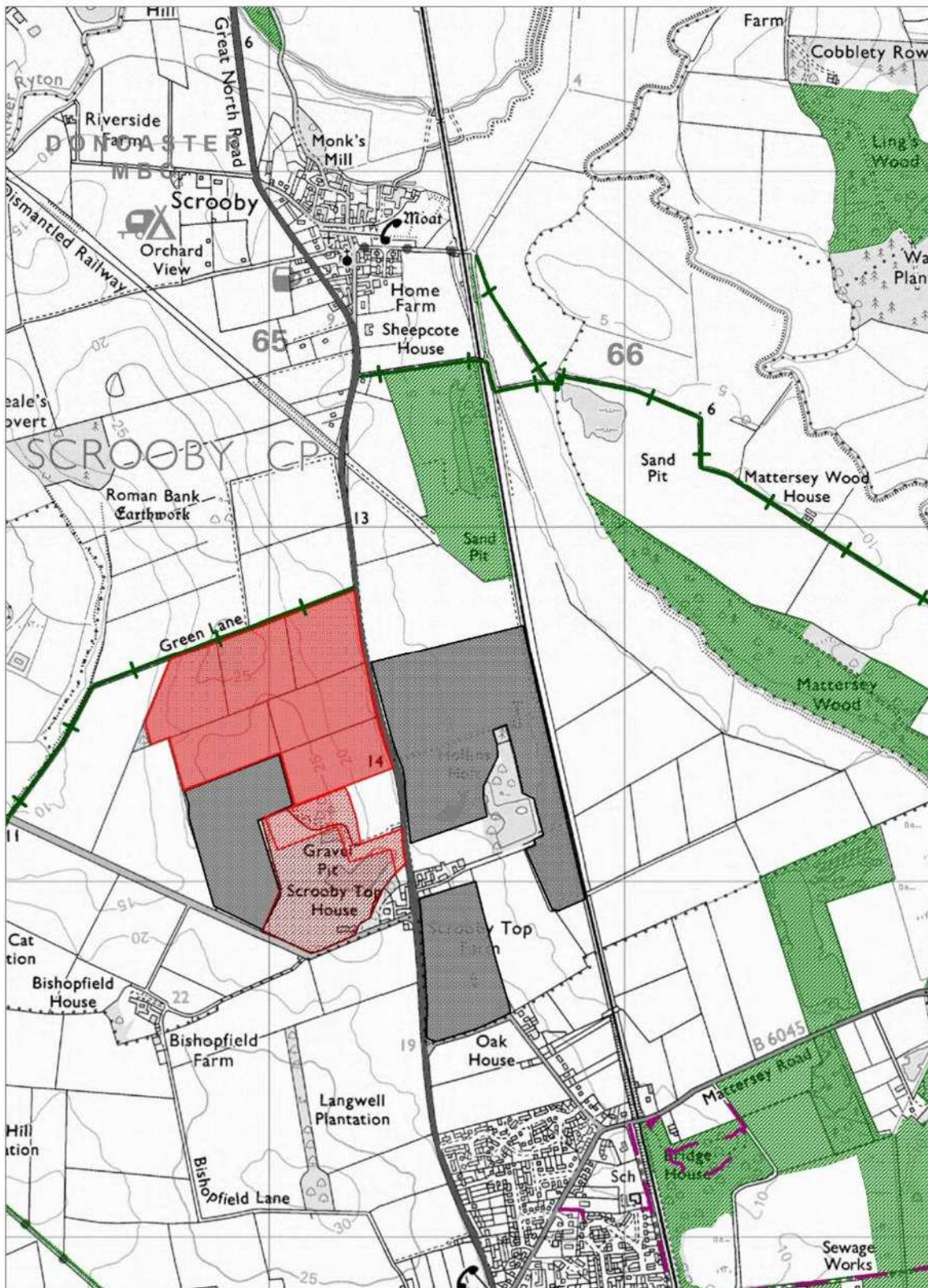
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## Overview plan



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Nottinghamshire MLP Call for Sites - Sherwood Sandstone - Scrooby Top Extension



## Scrooby Top Northern Extension

Proposer	
Mineral operator	Rotherham Sand and Gravel Co. Ltd.
Location	
Site information (including grid reference)	SK6498989507  The proposed extended site area covers a total area of approximately 25ha, to the west of the A638 (Great North Road) and to the immediate north of the existing Scrooby Top Quarry site
Location	To the immediate north of Scrooby Top Quarry and some 1.3 km to the south of the village of Scrooby.
District /Borough Council	Bassetlaw District Council
Extent of excavations	
Proposed access	It is proposed to use the existing access to the A638 from Scrooby Top Quarry. This access permitted in 1999 (reference 1/42/98/16) has been designed to a specification appropriate for the access and egress of heavy goods vehicles carrying minerals.
Estimated HGV movements	
Reserve data	
Estimated reserves (million tonnes)	4.831 million tonnes
Estimated output (tonnes per annum)	120,000 tonnes per annum
Estimated life of quarry	40 years.
Estimated start date	2022
Role of site	
Greenfield site or extension to existing quarry	An extension to an existing working.
Replacement to existing quarry	
Planned market area	North Nottinghamshire, Lancashire, Derbyshire and Yorkshire.
Availability of mineral	
Legal rights to work the mineral?	Rotherham Sand and Gravel Ltd and Serlby Farms own the minerals deposit and have an existing permitted access to the A638 which serves the site.
Landowner consent	
Owner of the land	Rotherham Sand and Gravel Ltd and Serlby Farms are the surface and mineral owners in unencumbered freehold and as such have the full legal rights to work the entire mineral resource at Scrooby Top Quarry.



Formal agreement between owner and mineral operator	
Agricultural land quality	
Grade	Soil Grade 3a to sub Grade 3b
Sensitive receptors	
List receptors within 250m	The site is not located within 250 metres of any sensitive residential receptors. It is not anticipated that there will be any adverse effect on the residential amenity of the area.
Restoration	
Proposed restoration	None designed, but potential for low level restoration with wetland/ waterbodies where a nature conservation element can be accommodated, but also where appropriate, making provision for agricultural restoration. The reclamation of the site does not depend on the importation of fill.

**Note: unless otherwise stated views expressed and information provided are those made by the mineral operator or site proposer.**

### Location

The Scrooby Top extension area is located at NGR SK6498989507. The site is located to the immediate north of Scrooby Top Quarry and some 1.3 km to the south of the village of Scrooby. The proposed extended site covers a total area of approximately 25 hectares. The southern boundary of the proposed allocation site will be coincident with the lateral extent of excavation.

### Reserve data

The site will realise some 4.831 million tonnes of Sherwood Grey sandstone and which will provide both dry screened Scrooby Grey building sand and washed concreting and mortar sands.

The geology of the site is interpreted from:-

- The British Geological Survey (BGS) 1:50,000 scale map, sheet 101- East Retford; and,
- An assessment of borehole logs drilled within the extant permission area;
- An appraisal of the existing quarry face, adjacent to the prospect area.

The geology of the area comprises drift deposits of glacial sand and gravel overlying Triassic sandstone of the Sherwood Sandstone group. Specific to Scrooby Top Quarry, the Sherwood sandstones are weathered so that in this case the minerals have a distinctive light colouration.

This particular characteristic is proven within the existing quarry face to the east of the application area and by the two test boreholes. Other drift Sherwood Sand stone deposits found elsewhere within Nottinghamshire by contrast have a distinctive dark red/brown colouration.

The deposit is evidenced by the existing Scrooby Top minerals working, together with the core hole data held by Nottinghamshire County Council considered as part of the planning application for that development.

### **Possible role of site**

The allocation will be an extension to an existing working. Rotherham Sand and Gravel Co. Limited are the principal suppliers of Grey Building Sand in the north Nottinghamshire area and serve markets not easily met by alternative sources of grey sand. Scrooby Top Quarry has supplied sand to a specialist market for over thirty years.

This high grade quality sand is used in particular applications throughout the UK. In particular however, the sand is consistently used for mortar requirements with the building sand stones of Lancashire, Derbyshire and Yorkshire where buff colouration mortar match is required with the stone.

Sources of available grey sand in north Nottinghamshire are limited. The majority of sands in Sherwood Sandstone elsewhere in Nottinghamshire are red or pink in colour. Scrooby Top Quarry is the only quarry in the north Nottinghamshire area which produces a grey building sand from the Sherwood sand stone geology.

The mineral is an important building sand chosen for its colour and workability as required for mortars. The texture and light colouration which results from the weathering of the Sherwood sandstone deposit provides an ideal match when used in the production of a light creamy mortar for use with the building sandstones of Yorkshire, Derbyshire and Lancashire.

The 'Yorkstone' product range is used throughout the UK, therefore Sherwood Grey sand worked at Scrooby is also specified for build projects throughout the UK. The special need for the mineral is a reflection of its consistent quality complying with specification requirements.

### **Site access / proposed operations**

It is proposed to use the existing access to the A638 from Scrooby Top Quarry. This access permitted in 1999 (reference 1/42/98/16) has been designed to a specification appropriate for the access and egress of heavy goods vehicles carrying minerals.

### **Environmental and cultural designations**

No information supplied

### **Residential amenity**

The site is not located within 250 metres of any sensitive residential receptors. It is not anticipated that there will be any adverse effect on the residential amenity of the area.

### **Water resources**

No information supplied

### **Proposed restoration**

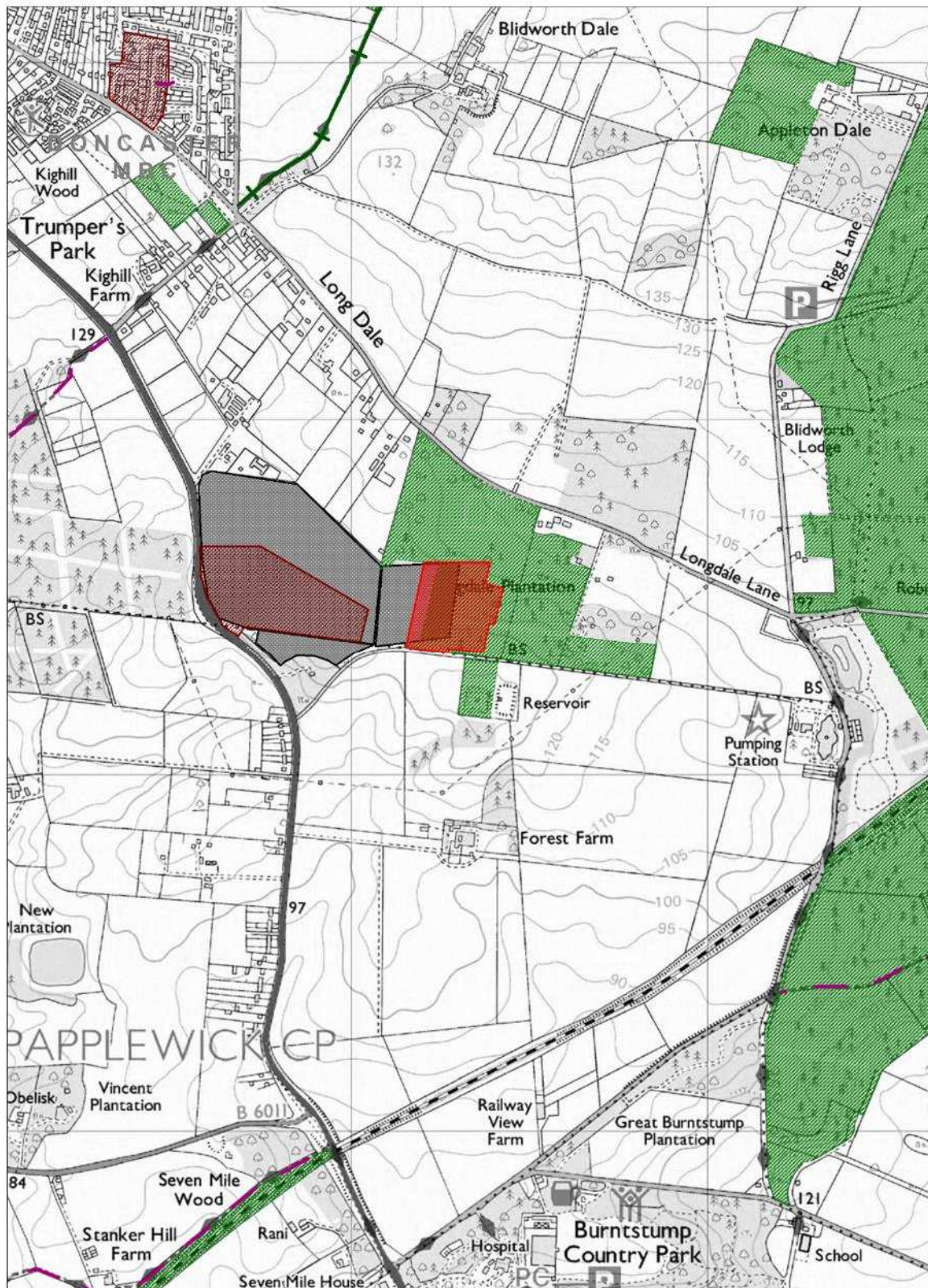
The reclamation of the site in the future offers the opportunity for environmental benefit to be designed into the scheme. At this stage a scheme has not been designed however this could take forwards the aspirations of the restoration of the existing Scrooby Top site where a low level restoration with wetland/ waterbodies where a nature conservation element can be accommodated, but also where appropriate, making provision for agricultural restoration.

The reclamation of the site does not depend on the importation of fill.

Nottinghamshire MLP – Summary of Sherwood Sandstone proposals submitted for consideration.

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Nottinghamshire MLP Call for Sites - Sherwood Sandstone - Bestwood II East



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## Bestwood II East

Proposer	
Mineral operator	Tarmac
Location	
Site information (including grid reference)	Eastern extension to existing Bestwood quarry.
Location	Off Mansfield Road, to the north-east of Papplewick and to the south of Ravenshead.
District /Borough Council	Gedling Borough Council
Extent of excavations	
Proposed access	Existing dedicated quarry access road off the A60 (Mansfield Road).
Estimated HGV movements	55 daily HGV movements
Reserve data	
Estimated reserves (million tonnes)	Eastern Extension - approximately 1.44 million tonnes of high quality Sherwood Sandstone.
Estimated output (tonnes per annum)	Approximately 140,000 tonnes per annum.
Estimated life of quarry	Eastern extension - approximately 11 years.
Estimated start date	Eastern extension - 2018 – 2029.
Role of site	
Greenfield site or extension to existing quarry	Extension.
Replacement to existing quarry	
Planned market area	The site serves the Nottinghamshire market as well as fixed outlet plants in the South Yorkshire / East Midlands area.
Availability of mineral	
Legal rights to work the mineral?	Tarmac have leases of the minerals and working rights in the remainder of the current permission area and a long-term lease of the minerals and working rights in the eastern extension area.
Landowner consent	
Owner of the land	Tarmac is the freehold owner of part of the current permission area with leases in place for the remainder of the current permission area and eastern extension area.
Formal agreement between owner and mineral operator	Tarmac has a Lease of the mineral and mineral working rights over the eastern extension area.

<b>Agricultural land quality</b>	
Grade	Non-agricultural land, comprising woodland.
<b>Sensitive receptors</b>	
List receptors within 250m	A small number of residential properties are located approximately 200m east and northeast of the proposed eastern extension.
<b>Restoration</b>	
Proposed restoration	Nature conservation, including heathland acid grassland, seasonally wet and marshy areas and retention of woodland plantations and sandstone faces along the extraction boundaries.

**Note: unless otherwise stated views expressed and information provided are those made by the mineral operator or site proposer.**

### **Location**

Eastern extension to existing Bestwood quarry. Off Mansfield Road, to the north-east of Papplewick and to the south of Ravenshead.

### **Reserve data**

Eastern Extension - approximately 1.44 million tonnes of high quality Sherwood Sandstone.

### **Possible role of site**

As existing quarry, which has been operating for circa 15 years The site produces a range of sands for use production of mortar, asphalt and general building purposes. The sand is also supplied to aggregate bagging plants. The site serves the Nottinghamshire market as well as fixed outlet plants in the South Yorkshire / East Midlands area.

The site is well located, just to the north of Nottingham with good access directly to and from the A60 to the major highway network.

### **Site access / proposed operations**

Existing dedicated quarry access road off the A60 (Mansfield Road).

### **Environmental and cultural designations**

No information supplied

### **Residential amenity**

A small number of residential properties are located approximately 200m east and northeast of the proposed eastern extension area which have been taken into account in the site design through the inclusion of standoffs between the proposed extraction areas and those properties closest to the site.

### **Water resources**

No information supplied

### **Proposed restoration**

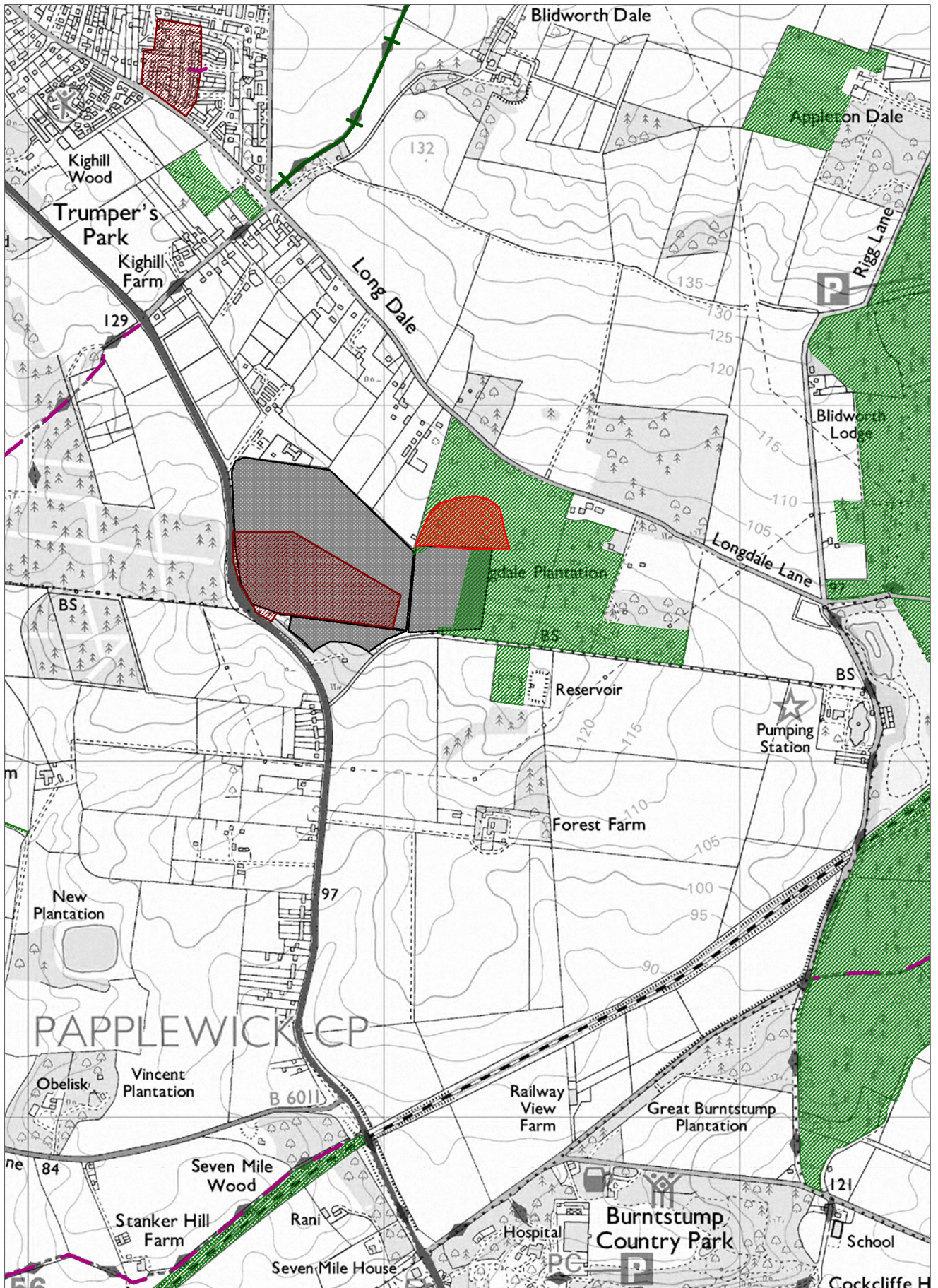
The extension area is proposed to be restored to nature conservation after uses to complement restoration at the existing quarry, including heathland acid grassland, seasonally wet and marshy areas and retention of woodland plantations and sandstone faces along the extraction boundaries.

A habitat mitigation scheme is being prepared in the context of ongoing consultation on the current planning application with Nottinghamshire Wildlife Trust in respect of the proposed loss of the woodland plantation, as well as a long term habitat management scheme to ensure delivery of habitat creation through the restoration scheme.

No infill would be required.



Nottinghamshire MLP Call for Sites - Sherwood Sandstone - Bestwood II North



## Bestwood II North

<b>Proposer</b>	
Mineral operator	Tarmac
<b>Location</b>	
Site information (including grid reference)	Northern extension to existing Bestwood quarry.
Location	Off Mansfield Road, to the north-east of Papplewick and to the south of Ravenshead.
District /Borough Council	Gedling Borough Council
<b>Extent of excavations</b>	
Proposed access	Existing dedicated quarry access road off the A60 (Mansfield Road).
Estimated HGV movements	55 daily HGV movements
<b>Reserve data</b>	
Estimated reserves (million tonnes)	Northern Extension - approximately 0.75 million tonnes of high quality Sherwood Sandstone.
Estimated output (tonnes per annum)	Approximately 140,000 tonnes per annum.
Estimated life of quarry	Approximately 6 years.
Estimated start date	2029 - 2035.
<b>Role of site</b>	
Greenfield site or extension to existing quarry	Extension.
Replacement to existing quarry	
Planned market area	The site serves the Nottinghamshire market as well as fixed outlet plants in the South Yorkshire / East Midlands area.
<b>Availability of mineral</b>	
Legal rights to work the mineral?	With regard to the northern extension, Tarmac is securing necessary working rights from the owner. The Owner has given full support for Tarmac to promote the site for inclusion in the Plan.
<b>Landowner consent</b>	
Owner of the land	With regard to the northern extension area. The Owner is fully supportive of Tarmac promoting the land for inclusion in the Plan.
Formal agreement between owner and mineral operator	Tarmac are securing necessary legal rights from the owner of the northern extension area.

<b>Agricultural land quality</b>	
Grade	Non-agricultural land, comprising woodland.
<b>Sensitive receptors</b>	
List receptors within 250m	A small number of residential properties are located approximately 200m east and northeast of the proposed eastern and northern extension.
<b>Restoration</b>	
Proposed restoration	Nature conservation, including heathland acid grassland, seasonally wet and marshy areas and retention of woodland plantations and sandstone faces along the extraction boundaries.

**Note: unless otherwise stated views expressed and information provided are those made by the mineral operator or site proposer.**

### **Location**

Northern extension to existing Bestwood quarry. Off Mansfield Road, to the north-east of Papplewick and to the south of Ravenshead.

### **Reserve data**

Northern Extension - approximately 750,000 tonnes of high quality Sherwood Sandstone.

### **Possible role of site**

As existing quarry, which has been operating for circa 15 years The site produces a range of sands for use production of mortar, asphalt and general building purposes. The sand is also supplied to aggregate bagging plants. The site serves the Nottinghamshire market as well as fixed outlet plants in the South Yorkshire / East Midlands area.

The site is well located, just to the north of Nottingham with good access directly to and from the A60 to the major highway network.

### **Site access / proposed operations**

Existing dedicated quarry access road off the A60 (Mansfield Road).

### **Environmental and cultural designations**

No information supplied

### **Residential amenity**

A small number of residential properties are located approximately 200m east and northeast of the proposed northern extension area which have been taken into account in the site design through the inclusion of standoffs between the proposed extraction areas and those properties closest to the site.

### **Water resources**

No information supplied

### **Proposed restoration**

The extension area is proposed to be restored to nature conservation after uses to complement restoration at the existing quarry, including heathland acid grassland, seasonally wet and marshy areas and retention of woodland plantations and sandstone faces along the extraction boundaries.

A habitat mitigation scheme is being prepared in the context of ongoing consultation on the current planning application with Nottinghamshire Wildlife Trust in respect of the proposed loss of the woodland plantation, as well as a long term habitat management scheme to ensure delivery of habitat creation through the restoration scheme.

No infill would be required.

## **Appendix A – Information required through the call for sites exercise**

### **1. Location**

- 1.1. Proposed boundary of the site
- 1.2. The extent of excavations
- 1.3. Proposed access to the site, including a map of key routes from the site to the nearest major roads
- 1.4. Possible location(s) of processing plant
- 1.5. Phasing
- 1.6. An OS map of the site
- 1.7. Estimated number of HGV movements per day/month/year

### **2. Reserve Data (with supporting evidence)**

- 2.1. Quality and quantity of recoverable reserves
- 2.2. Estimated output per annum
- 2.3. Estimated lifespan of the mineral working (years)
- 2.4. When will the site be ready to be worked?

### **3. Role of site/markets**

- 3.1. Is the site a new Greenfield site or an extension?
- 3.2. If a Greenfield site, is it replacing an existing mineral working within or outside the county
- 3.3. What is your planned market area?
- 3.4. Is the location of the site optimum in terms of serving the market?

### **4. Availability of Mineral**

- 4.1. Do you have the legal rights to work all of the mineral including access to a public highway or any other transport route?

### **5. Landowner Consent**

- 5.1. Who is the legal owner of the site?
- 5.2. Is the legal owner of the site also a minerals operator?
- 5.3. Has the legal owner made a formal agreement with any mineral operator for minerals exploration and/or minerals extraction

### **6. Agricultural land quality**

- 6.1. Agricultural land classifications found within the site

### **7. Sensitive Receptors**

- 7.1. Is the site located within 250m of any sensitive receptors? (schools, residential dwellings, workplaces, healthcare facilities)

### **8. Reclamation**

- 8.1. Proposed reclamation schemes – what opportunities for environmental benefits do you see arising from the scheme?
- 8.2. Does the reclamation of the site depend on importing fill? If so, please indicate type of waste, main sources and timescales

**NOTE: All information submitted as part of this call for sites will be available for public viewing**