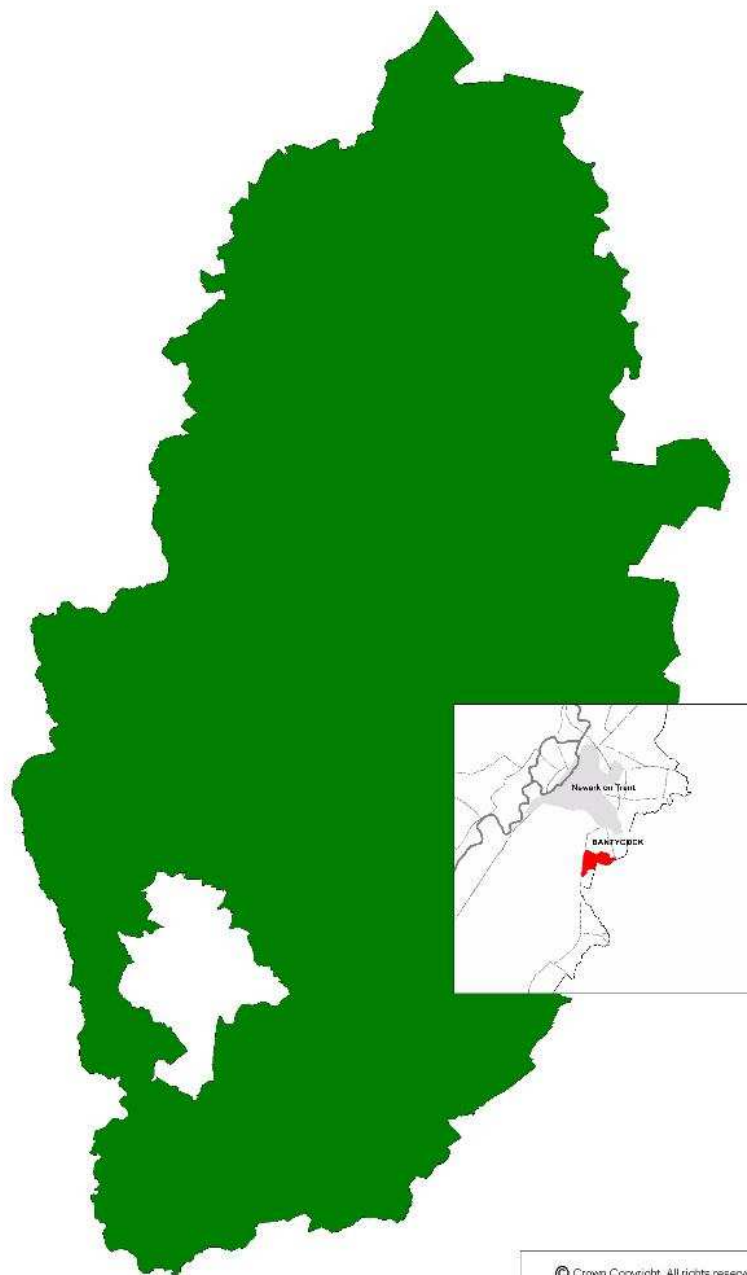




Nottinghamshire Minerals Local Plan

Summary of **Gypsum** proposals put forward for consideration in Nottinghamshire

Published March 2018



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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

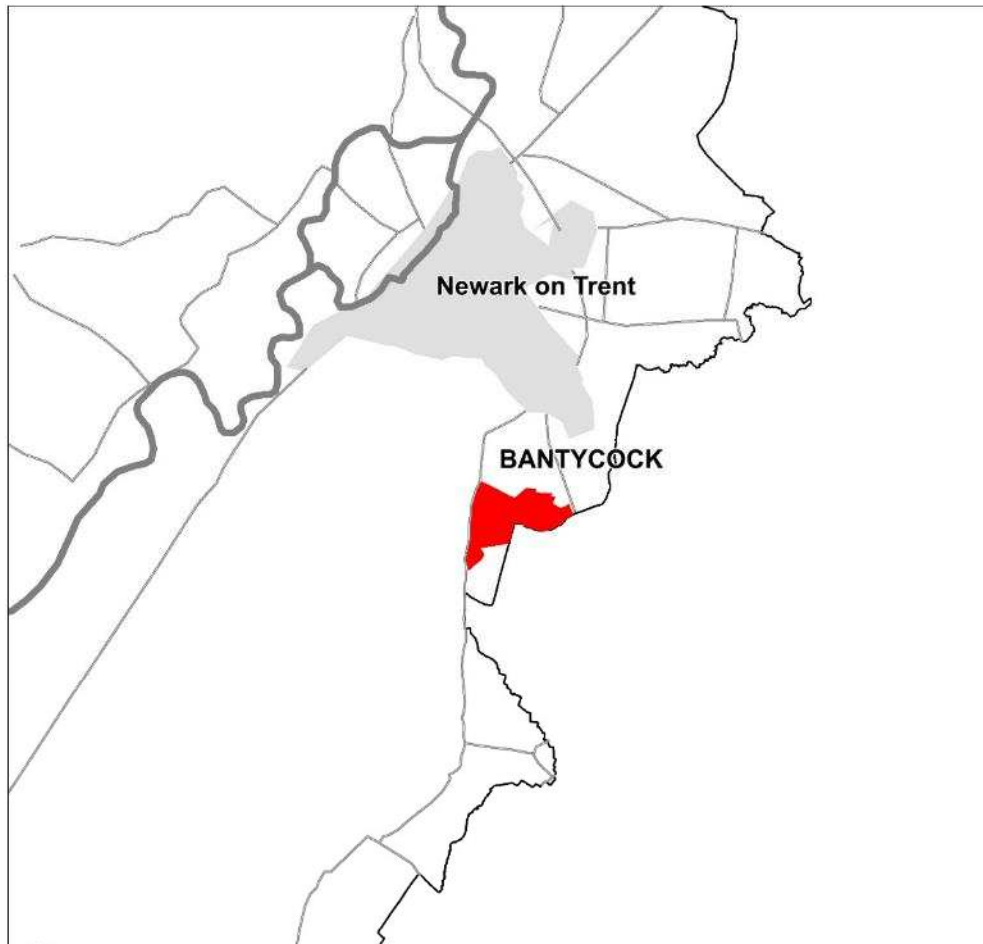
Plan key

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

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.

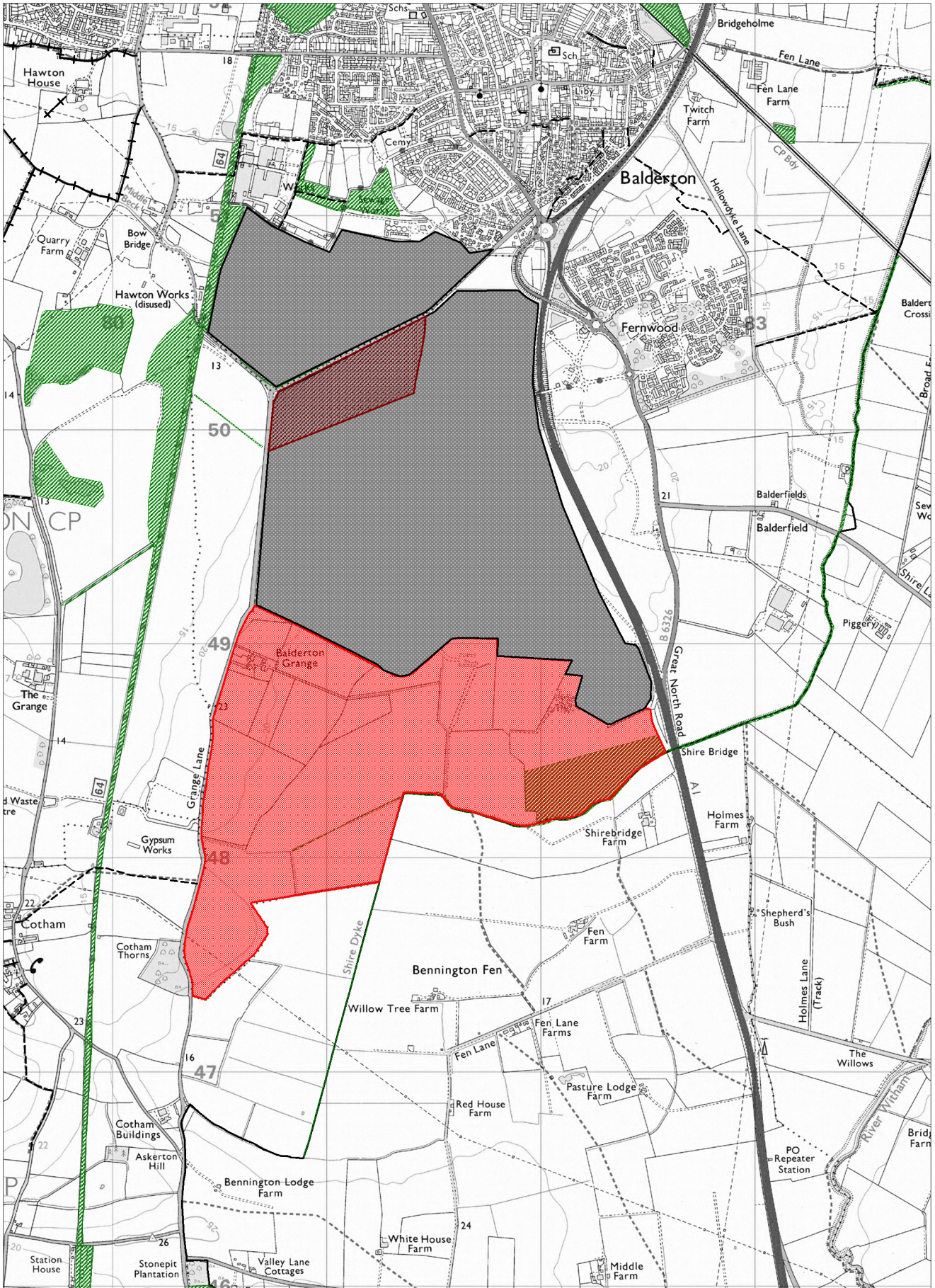
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Location Plan



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Nottinghamshire MLP Call for Sites - Gypsum - Bantycok



Bantycock Quarry

Proposer	
Mineral operator	British Gypsum Saint-Gobain
Location	
Site information (including grid reference)	Southern extension to Bantycock Quarry (see drawing no.s BAN-109 and BAN-110).
Location	Balderton, Newark, Nottinghamshire
District /Borough Council	Newark and Sherwood District Council
Extent of excavations	-
Proposed access	Existing permitted quarry access maintained
Estimated HGV movements	-
Reserve data	
Estimated reserves (million tonnes)	7.5-8.5 with a 25:75 split between the high grade material suitable for processing at nearby Jericho Works and lower grade material suitable for export.
Estimated output (tonnes per annum)	350,000-500,000 TPA
Estimated life of quarry	15-24 years
Estimated start date	2023-2025
Role of site	
Greenfield site or extension to existing quarry	Extension to existing site
Replacement to existing quarry	No
Planned market area	<ul style="list-style-type: none"> - High grade, high purity (optically bright) gypsum used for industrial application - Lower grade gypsum to supply British Gypsum for use in plaster and plasterboard manufacture at East Leake and Barrow (Leicestershire)
Availability of mineral	
Legal rights to work the mineral?	British Gypsum own the freehold surface and minerals rights to the area shown in green on Drawing No. BAN-111. BG are currently in discussions with the owners of the land outlined in blue and yellow.
Landowner consent	
Owner of the land	British Gypsum own the freehold surface and minerals rights to the area shown in green on Drawing No. BAN-111. BG are currently in discussions with the owners of the land outlined in blue and yellow.

Formal agreement between owner and mineral operator	British Gypsum are currently in discussions with the two landowners to secure the surface and mineral rights for the remainder of the allocation area
Agricultural land quality	
Grade	3
Sensitive receptors	
List receptors within 250m	Four properties would be impacted the most by the development – Balderton Grange (Owned by the Company), two properties at Cowtham House and Shire Farm. Shire Farm lies to the south of the Shire Dyke and would be screened from the development by soil bunds and tree planting.
Restoration	
Proposed restoration	It will not be necessary to import materials to achieve a restoration profile. The plan involves returning the majority of the land back to agricultural production with nature conservation corridors.

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

Location

Bantymock Quarry is located in the Newark and Sherwood District of Nottinghamshire. The site is located to the south of Newark on Trent, and is situated within a countryside setting, with green fields surrounding the site. The site is located close to the A1.

Reserve data

At this location, the gypsum occurs in the Newark seams of the Triassic Mercia Mudstone strata, and is overlain by Scunthorpe Mudstone, Westbury Mudstone and Blue Anchor Formations.

The western half of the site has been fully investigated by means of cored boreholes. Boreholes from adjoining land have also been used within the geological model for the reserve estimation.

The overburden on average is 27m thick; with 2m of this consisting of superficial drift deposits. On average the base of the gypsum deposits is 42m below surface, the gypsum deposits are a series of thin seams of gypsum inter-bedded with Mercia Mudstone, currently 7 seams provide the bulk of the recovered material from the adjoining Bantymock Quarry.

The total cumulative thickness of gypsum averages 3.5m and the inter-burden has a cumulative thickness of approximately 11.5m. The highest grade seams are the Grey Rock, Top Rock, Bottom White and Blue Rock seams.

Possible role of site

It is likely that the site would continue to serve two main markets:- the most important being the high grade, high purity gypsum being used for industrial application as the current Jericho Works and Artex at Ruddington. The lower grade gypsum would continue to supply British Gypsum for use in plaster and plasterboard manufacture at East Leake (Nottinghamshire) and Barrow (Leicestershire)

Site access / proposed operations

The existing permitted quarry access would continue to be used

Environmental and cultural designations

No information supplied

Residential amenity

The area south of Newark is sparsely populated; currently the dominant land use is farming. Four properties would be impacted the most by the development – Balderton Grange (owned by the Company), two properties at Cowtham House and Shire Farm. Shire Farm lies to the south of the Shire Dyke and would be screened from the development by soil bunds and tree planting.

The sensitivity of the surrounding landscape has been reduced by the presence of the A1 Trunk Road, power lines, landfill site and the existing quarry / spoil heaps. The quarry

Water resources

No information supplied

Proposed restoration

Due to the high stripping ratio (overburden and interburden to gypsum), the strip mining methodology of working and the natural bulking of the overburden of around 6% it will not be necessary to import materials to achieve a restoration profile.

The restoration master plan would envisage, as with Bantycok Quarry, returning the majority of the land back to agricultural production with nature conservation corridors. The post restoration proposals will provide a mixture of agricultural, woodland, grassland and hedgerow planting. Biodiversity will be significantly increased.

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