Doncaster Local Plan
Local Plan Evidence Base

Stage One: Assessing Areas of Search for Aggregate Minerals – Identification and initial screening

Date: February 2016
PART 1: IDENTIFICATION AND INITIAL SCREENING

Part 1 of the methodology seeks to identify potential Areas of Search for inclusion within the Local Plan. It will include an initial broad screening to remove any identified areas which are unsuitable for inclusion.

Stage 1a: Identification

Potentially suitable mineral Areas of Search will be identified using:

- Analysis of minerals resource information, (British Geological Survey minerals resource data sets DiGMap – 100 and DiGMap v4_16 solid and superficial geology maps);
- Ordnance Survey Land Line Data (Mastermap)
- BGS Review of Permitted Mineral Sites (active, ceased, restored, inactive and historic quarry map and database)
- BGS Review of Historic Mineral Planning Permissions map and database
- Review of existing site specific information (draft mineral safeguarding areas, aerial photographs, additional GIS map data such as existing mineral permissions and infrastructure etc) and the application of local knowledge

Stage 1b: Initial broad screening

Potentially suitable Areas of Search identified in Stage 1 will be explored in relation to a series of screening questions (see below). A technical judgement will be made on the broad suitability of each potential Areas of Search, and the justification for progress (or otherwise) to Part 2 of the assessment will be set out in a table and added as an appendix in the assessment report.

**Broad screening questions**

- Using specific mineral resource data information and relevant reports (where available) such as:
  - Mineral Assessment Report 37 – SK 69 Bawtry, South Yorkshire, and;
  - Mineral Assessment Report 92 – SE 60 Armthorpe, South Yorkshire

  Does the ‘Area’ contain a viable resource? (Will the ‘Area’ contribute toward maintaining the landbank of permitted reserves as identified in the Local Aggregate Assessment)

- Are there any major infrastructure / development constraints (for example accessibility limitations) rendering mineral development undeliverable?
- Is there any evidence of recent / historic extraction in the area?
- Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?
- Is the land likely to be available for the intended form of development within the relevant time period?

Any location receiving a negative response to one of more of the broad screening questions will not necessarily be removed from further consideration at this stage. Where the outcome of initial screening is uncertain, locations flagged up through this stage of the process will be reviewed by the panel as identified in stage 2c.

**Please note:**

*All the areas assessed within this document occur within either a primary or secondary aquifer, as such The Environment Agency (under their Policy and Practice for the protection of groundwater) require quarry restoration that does not include infilling with waste material, or the material is proven to be inert.*
STAGE 1A: IDENTIFICATION
The 91 areas shown on the map below have been identified using BGS mineral resource information, BGS historic sites information, existing mineral sites, ordnance survey land lines and DMBC draft mineral safeguarding map. These areas have been assessed in stage 1B (see over leaf):
STAGE 1B: INITIAL BROAD SCREENING

<table>
<thead>
<tr>
<th>Area No. 1</th>
<th>Resource and Borehole Data(^1): Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SE30 – overburden 3.9m, Mineral 2.3m, Bedrock 0.1m+</td>
</tr>
<tr>
<td></td>
<td>SE35 – overburden 0.7m, Mineral 7.6m, Bedrock 0.1m+</td>
</tr>
</tbody>
</table>

**Location, Description and Size: 156 Ha**
The area is to the east of Bawtry and Austerfield on the edge of the borough boundary. The area consists of an of natural washland, grassland and wetland with some farmland in the southern parcel with more farmland in the northern area.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   **BGS Mineral Resource data identifies surface and concealed river terrace deposits, that would contribute toward maintaining the landbank of permitted reserves**

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   **Limited Accessibility through Bawtry or Austerfield, although there maybe access through North Nottinghamshire.**

3. Is there any evidence of recent / historic extraction in the area?

   **Aerial photography indicates the northern area may have been historically worked for sand and gravel. This does not show on the BGS Historic Planning Permissions dataset**

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?)

   **The southern area is a SSSI – the River Idle Washlands**

5. Is the land likely to be available for the intended form of development within the relevant time period?

   **unlikely - no representations received for mineral extraction**

   **Proceed to Stage Two Evaluation:** No

<table>
<thead>
<tr>
<th>Area No. 2</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NW55 – Overburden 8.0m, Mineral 3.9m, Bedrock 0.1m+</td>
</tr>
</tbody>
</table>

**Location, Description and Size: 30.16 Ha**
The area is arable farmland located to the South of Rossington (shown on the map as Carr Doles)

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   **BGS Mineral Resource data identifies glacial and sub-alluvial (indicated) resources, which could contribute toward maintaining the landbank of permitted reserves.**

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

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\(^1\) Borehole Data reference: Mineral Assessment Reports 37 (Sand and Gravel Resources SK69 Bawtry, S. Yorkshire) or Mineral Assessment Reports 92 (Sand and Gravel Resources SE 60 Armthorpe, S. Yorkshire)
### Limited infrastructure and access

3. Is there any evidence of recent / historic extraction in the area?

*None evident through existing data, however aerial photography infers the area may already been worked for sand and gravel*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

*No*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No**

<table>
<thead>
<tr>
<th>Area No. 3</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>NW 59 – Overburden 0.7m, Mineral 3.6m, Bedrock 0.1m+</td>
<td></td>
</tr>
</tbody>
</table>

#### Location, Description and Size: 90.78 Ha

The area consists of arable farmland to the South East of Rossington in between the B6463 and the East Coast Main Line.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

*Limited by access through Rossington*

3. Is there any evidence of recent / historic extraction in the area?

*Yes (BGS brit pit data record at ‘Stripe Road’) and extraction has taken place on adjacent land*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

*No. The site contains red data book moss, lychen and royal fern species - will need to know exact locations (YWT comment – September 2012 consultation response)*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)**
<table>
<thead>
<tr>
<th>Area No. 4</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>NW 64 – Overburden 0.8m, Mineral 5.7m, Bedrock 0.1m</td>
<td></td>
</tr>
<tr>
<td>SW59 – Overburden 0.3m, Mineral 3.0m, Bedrock 0.8m+</td>
<td></td>
</tr>
</tbody>
</table>

**Location, Description and Size:** 233.89 Ha  
This area is Bawtry Forest located north west of Bawtry.

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   BGS Mineral Resource data identifies glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)**

   Bawtry Forest. No employment of housing proposals.

3. **Is there any evidence of recent / historic extraction in the area?**

   No.

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**

   Bawtry Forest (Forestry Commission).

5. **Is the land likely to be available for the intended form of development within the relevant time period?**

   No.

**Proceed to Stage Two Evaluation: No**

<table>
<thead>
<tr>
<th>Area No. 5</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW60 Overburden 0.3m, Mineral 8.0m, Bedrock 0.1m+</td>
<td></td>
</tr>
<tr>
<td>SW63 Overburden 0.3 Mineral 11.4, Bedrock 0.1m+</td>
<td></td>
</tr>
</tbody>
</table>

**Location, Description and Size:** 283.66 Ha  
Large area of arable and livestock (pigs) farmland to the west of Bawtry.

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   BGS Mineral Resource data identifies glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)**

   Access could be via either the Great North Road or the A631, which may impact on the Market Town of Bawtry.

3. **Is there any evidence of recent / historic extraction in the area?**

   No mineral extraction within this parcel of land. A substantial area to the south has historically been worked for mineral.

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional...**

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flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to minerals resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 6</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NW60 Overburden 0.6m, Mineral 4.3m, Bedrock 0.1m+</td>
</tr>
<tr>
<td></td>
<td>SW54 Overburden 0.4m, Mineral 5.0m, Waste 12.6m</td>
</tr>
<tr>
<td></td>
<td>SW55 Overburden 0.5m, Mineral 4.4m, Bedrock 0.1m+</td>
</tr>
<tr>
<td></td>
<td>SW56 Overburden 0.4m, Mineral 4.3m, Bedrock 0.1m+</td>
</tr>
</tbody>
</table>

Location, Description and Size: 337.02
Large area of arable farmland with some woodland between Tickhill and Bawtry

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Limited access via the A631 or the B6463 which may impact on Bawtry or Rossington.

3. Is there any evidence of recent / historic extraction in the area?

Yes (small area to the west)

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 7</th>
<th>Resource: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NW63 Overburden 0.4m, Mineral 4.7m, Bedrock 0.2m+</td>
</tr>
<tr>
<td></td>
<td>NW67 Waste 15m</td>
</tr>
</tbody>
</table>

Location, Description and Size: 149 Ha
Large area located between the East Coast Main Line and the Great North Road. The area consists of Rossington Hall the Northern Racing College and Bawtry forest

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)
BGS Mineral Resource data identifies glaciofluvial deposits (concealed) are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

The area consists of Rossington Hall the Northern Racing College and Bawtry Forest. (application for PGA mixed use development with housing under consideration (16/00207/FULM February 2016))

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

No

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 8</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NW 57 – Developed for residential</td>
</tr>
<tr>
<td></td>
<td>NW 58 – Overburden 0.6m, Mineral 3.5, Bedrock 0.1m+</td>
</tr>
<tr>
<td></td>
<td>NW61 – Overburden 0.4, Mineral 4.1m, Waste 2.5m, Mineral 6.5m, Waste 4.5m, Bedrock 0.0</td>
</tr>
<tr>
<td></td>
<td>NW62 – Overburden 0.2m, Mineral 1.8m, Waste 0.5m, Mineral 1.9m, Bedrock 0.1m</td>
</tr>
</tbody>
</table>

Location, Description and Size: 208 Ha
Large area located south east of Rossington and south of Littleworth. The landscape is a mix of arable farmland, regenerated woodland (post sand and gravel extraction) and the grounds of the Mount Pleasant Hotel.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

(application for PGA mixed use development with housing under consideration (16/00207/FULM February 2016))

3. Is there any evidence of recent / historic extraction in the area?

The BGS ‘Historic Minerals Permissions’ database identifies the central area has been extracted for sand and gravel.
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No overriding major environmental constraints

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 9</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>NW65 – Overburden 0.3m, Mineral 5.7m, Waste 11.5m, Bedrock 0.3m+</td>
<td></td>
</tr>
<tr>
<td>NW66 – Overburden 0.4m, Mineral 5.4m, Bedrock 0.1m+</td>
<td></td>
</tr>
<tr>
<td>NE37 – Overburden 0.8m, Mineral 1.8m, Bedrock 0.1m+</td>
<td></td>
</tr>
</tbody>
</table>

Location, Description and Size: 207 Ha

The area is located to the west of Robin Hood Airport and consists of arable farmland and trees.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies ‘fragmented’ glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves. The remaining area may be suitable for further assessment.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

South of Robin Hood Airport. Phase 4 business park representation… under consideration

3. Is there any evidence of recent / historic extraction in the area?

The BGS ‘Historic Minerals Permissions’ database identifies the central area has been subject to historic planning applications for sand and gravel development.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 10</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Borehole data for this area</td>
<td></td>
</tr>
</tbody>
</table>

Location, Description and Size: 18 Ha

A relatively small area of arable farmland to the east of the A638 Great North Road.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank

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1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies glaciofluvial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No

3. Is there any evidence of recent / historic extraction in the area?

There is no evidence of prior extraction within this parcel of land. Sand and Gravel extraction has taken place immediately to the east of this area at Hurst Plantation.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (No Borehole data for this area)

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**Area No. 11**

**Resource and Borehole Data: Sand and Gravel**

**Location, Description and Size:** 153 Ha
This area is located to the near Bessacarr to the west of the A638 Great North Road. The area is predominantly covered by a golf course, but also has areas of rough / rank grassland near the River Torne and the Mother Drain.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies glaciofluvial, glacial and river terrace deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Existing Golf Course, new FARRRS link

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

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<table>
<thead>
<tr>
<th>Area No. 12</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NW51 – Overburden 0.8m, Mineral 5.2m, Bedrock 0.1m</td>
</tr>
<tr>
<td>Location, Description and Size: 89 Ha</td>
<td></td>
</tr>
<tr>
<td>The area is located to the north of Rossington next to the River Torne. It contains a mix of woodland, industrial development and rough / rank grassland along the River Torne.</td>
<td></td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies sub-alluvial (indicated) resources, glacial and river terrace deposits are indicated in this area. Only a small fraction of the resources (the glacial deposits) may contribute toward the maintenance of the landbank of permitted reserves

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   New FARRRS link road, Unused UDP allocation (with new link)

3. Is there any evidence of recent / historic extraction in the area?

   No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

   No

5. Is the land likely to be available for the intended form of development within the relevant time period?

   No

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 13</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NW50 – Overburden 2.8m, Mineral 1.7m, Waste 16.7m, Bedrock 0</td>
</tr>
<tr>
<td>Location, Description and Size: 86 Ha</td>
<td></td>
</tr>
<tr>
<td>Large Nature Reserve area (western section) and arable (eastern section) located between the M18 and Bessacarr.</td>
<td></td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies sub-alluvial (indicative resources) and glacial deposits are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’?
The eastern sector is currently being developed for mixed use development of housing, retirement village employment, education and retail uses, ancillary amenities and public open spaces (allowed at Appeal). The western sector is a nature reserve.

3. Is there any evidence of recent / historic extraction in the area?

No evidence of recent or historic mineral extraction in the area.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

The western area is part of Potteric Carr (YWT) nature reserve (SSSI)

5. Is the land likely to be available for the intended form of development within the relevant time period?

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 14</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location, Description and Size: 467 Ha</td>
<td>No Borehole data available</td>
</tr>
<tr>
<td>A large area of Magnesian Limestone bedrock geology intersected by the A60 south of Tickhill. The majority of the intensive area is arable farmland</td>
<td></td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

In the vicinity of the A60 / A63

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)
<table>
<thead>
<tr>
<th>Area No. 15</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Borehole data available</td>
</tr>
<tr>
<td>Location, Description and Size: 137.4 Ha</td>
<td>A Small area of Magnesian Limestone bedrock geology intersected by Limekiln Lane south east of Stainton. The majority of the area is arable farmland</td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   *BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   *Limited accessibility due to ‘B’ road status*

3. Is there any evidence of recent / historic extraction in the area?

   *No*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?*

   *No*

5. Is the land likely to be available for the intended form of development within the relevant time period?

   *unlikely - no representations received for mineral extraction*

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

<table>
<thead>
<tr>
<th>Area No. 16</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No borehole data available</td>
</tr>
<tr>
<td>Location, Description and Size: 388 Ha</td>
<td>Large area of Magnesian Limestone bedrock to the west and south of Wadworth and centred on Wilsic village. The area is predominantly arable farmland</td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   *BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   *Limited road access through either Wadworth village or the B6094*

3. Is there any evidence of recent / historic extraction in the area?

   *Not within this identified area, however extraction takes place at Stainton quarry immediately to the west of this area.*
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

**No**

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

<table>
<thead>
<tr>
<th>Area No. 17</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location, Description and Size:</td>
<td>Magnesian Limestone</td>
</tr>
<tr>
<td>No Borehole data available</td>
<td></td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

*Access limitations due to the nature of the existing road infrastructure.*

3. Is there any evidence of recent / historic extraction in the area?

*Not within this identified area*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

**No**

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

<table>
<thead>
<tr>
<th>Area No. 18</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location, Description and Size:</td>
<td>Magnesian Limestone</td>
</tr>
<tr>
<td><strong>315.6 Ha</strong></td>
<td></td>
</tr>
<tr>
<td>Large area of Magnesian Limestone bedrock in between Maltby and Braithwell. The area is predominantly arable farmland</td>
<td></td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**
### Area No. 19

**Resource and Borehole Data:** Magnesian Limestone  
No borehole data available

**Location, Description and Size:**  
Located between the M18 and Braithwell, with Mickelbring to the West. The area is predominantly arable farmland

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   *BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. **Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)**

   *Access limitations due to the nature of the existing road infrastructure*

3. **Is there any evidence of recent / historic extraction in the area?**

   *Not within this area, however BGS Historic Mineral Planning Permissions identifies Holme Hall Quarry and Stainton Quarry just outside the boundary area*

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**

   *No*
5. Is the land likely to be available for the intended form of development within the relevant time period?

*no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

<table>
<thead>
<tr>
<th>Area No. 20</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td>Located north of the M18, the area is predominantly arable farmland bounded by the villages of Clifton and Old Edlington.</td>
</tr>
<tr>
<td>1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td>BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves</td>
</tr>
<tr>
<td>2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)</td>
<td>Access limitations due to the nature of the existing road infrastructure</td>
</tr>
<tr>
<td>3. Is there any evidence of recent / historic extraction in the area?</td>
<td>No</td>
</tr>
<tr>
<td>4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?</td>
<td>No</td>
</tr>
<tr>
<td>5. Is the land likely to be available for the intended form of development within the relevant time period?</td>
<td>unlikely - no representations received for mineral extraction</td>
</tr>
</tbody>
</table>

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

<table>
<thead>
<tr>
<th>Area No. 21</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td>A small area to the west of the A1M and north of the M18, which is mostly arable farmland bounded by Edlington Wood SSSI to the west and Wadworth Wood Local Wildlife Site to the South.</td>
</tr>
<tr>
<td>1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td>BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves</td>
</tr>
<tr>
<td>2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)</td>
<td></td>
</tr>
<tr>
<td>3. Is there any evidence of recent / historic extraction in the area?</td>
<td>No</td>
</tr>
<tr>
<td>4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?</td>
<td>No</td>
</tr>
<tr>
<td>5. Is the land likely to be available for the intended form of development within the relevant time period?</td>
<td>unlikely - no representations received for mineral extraction</td>
</tr>
</tbody>
</table>

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**
<table>
<thead>
<tr>
<th>Area No. 22</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong> To the west of the A1M some of the area appears to have been subject to historic colliery spoil disposal. The remainder of the area is arable farmland, rough grassland and a residential caravan park (class C3).</td>
<td></td>
</tr>
</tbody>
</table>

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   *BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. **Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)**

   *access limitations due to the nature of the existing road infrastructure?*

3. **Is there any evidence of recent / historic extraction in the area?**

   *Not within the boundary area, however the area to the west and south has been subject to colliery spoil historic disposal.*

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**

   *No*

5. **Is the land likely to be available for the intended form of development within the relevant time period?**

   *unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**
### Area No. 23

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
</table>

**Location, Description and Size:**
This large area is located to the east of the A1M and south of M18. Loversall village sits within this assessment area. The area is predominantly arable farmland.

1. **Does the area contain a viable resource?** (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   - BGS Mineral Resource data identifies Magnesian Limestone indicated in some of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable?** (e.g. accessibility limitations)

   - Access limitations due to the nature of the existing road infrastructure. The A60 goes through Balby to the north of Wadworth. The northern area may be accessed via Rakes Lane onto junction 3, M18

3. **Is there any evidence of recent / historic extraction in the area?**

   - No

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**

   - No

5. **Is the land likely to be available for the intended form of development within the relevant time period?**

   - unlikely - no representations received for mineral extraction

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

### Area No. 24

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
</table>

**Location, Description and Size:**
This small area is located north of the M18 and south of Balby Woodfield and proposed Carr Lodge farm development. The area is predominantly arable farmland with small woodland copses and hedgerows.

1. **Does the area contain a viable resource?** (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   - BGS Mineral Resource data identifies Magnesian Limestone indicated in some of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable?** (e.g. accessibility limitations)

   - The existing lanes within the assessment area could provide access onto junction 3, M18

3. **Is there any evidence of recent / historic extraction in the area?**

   - No
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

<table>
<thead>
<tr>
<th>Area No. 25</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong> The assessment area is located north of the M18 and west of the A6182 White Rose Way. The area is currently a patchwork of rough grassland and hedgerows, with interspersed blocks of plantation trees and woodland copses. The area is earmarked for housing development.</td>
<td></td>
</tr>
<tr>
<td>1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td></td>
</tr>
</tbody>
</table>

BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Carr Lodge Farm housing development – granted and under construction. The A6182 White Rose Way link road has been widened and improved.

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

No

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 26</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong> This assessment area is located to the south of Cusworth Hall and Country Park, with the A1 motorway to the west. The whole area is intensive arable farmland, with a housing to the south.</td>
<td></td>
</tr>
</tbody>
</table>
1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of the area. The data also infers surface deposits of sand and gravel. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Very limited road infrastructure and access.

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)
**Area No. 28**  
**Resource and Borehole Data:** Magnesian Limestone

**Location, Description and Size:**
This assessment area is bounded by Melton Road, Sheep Lane and Spring Lane. It consists of large scale intensive arable farmland with fragmented hedgerows, and a few woodland copses.

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   *BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)**

   *No*

3. **Is there any evidence of recent / historic extraction in the area?**

   *No*

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**

   *No*

5. **Is the land likely to be available for the intended form of development within the relevant time period?**

   *unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

---

**Area No. 29**  
**Resource and Borehole Data:** Magnesian Limestone

**Location, Description and Size:**
The assessment area is bounded by Hangman Stone Road to the west and Sheep Lane to the south. This is an area of large scale intensive arable farmland with Melton wood striking a significant presence in the landscape.

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   *BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)**
Hangman Stone Road may provide suitable access to the area and subsequently the A1M.

3. Is there any evidence of recent / historic extraction in the area?
   
   No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?
   
   No

5. Is the land likely to be available for the intended form of development within the relevant time period?

   unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

<table>
<thead>
<tr>
<th>Area No. 30</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
</table>

**Location, Description and Size:**
The area is predominantly intensive arable farmland and a large area of woodland (known as Scabba Wood) which bounded by Cadeby Lane and Melton Road.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   vehicular access limitations would probably be imposed through small villages such as Cadeby

3. Is there any evidence of recent / historic extraction in the area?

   Yes, and subsequent landfill

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

   No

5. Is the land likely to be available for the intended form of development within the relevant time period?

   unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

<table>
<thead>
<tr>
<th>Area No. 31</th>
<th>Resource and Borehole Data: Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
</table>

www.doncaster.gov.uk/ldf
**Location, Description and Size:**
This assessment area is located to the north of Barnby Dun. It is predominantly intensive arable farmland, with an Oxbow lake near the northern boundary. The area is basically an island, enclose by the River Don and the New Junction Canal.

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   *BGS Mineral Resource data identifies Sub Alluvial inferred resources are indicated in the northern part of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. **Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)**

   There are potential access limitations with one access / egress, Home Fleet Lane which leads onto North Field Lane and Bramwith Lane.

3. **Is there any evidence of recent / historic extraction in the area?**

   No

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**

   *No. However the area is identified as a Local Wildlife Site (Thorpe in Balne / Kirk Bramwith Area)*

5. **Is the land likely to be available for the intended form of development within the relevant time period?**

   *unlikely - no representations received for mineral extraction*

   **Proceed to Stage Two Evaluation: No (sufficient landbank of permissions)**

<table>
<thead>
<tr>
<th>Area No. 32</th>
<th>Resource and Borehole Data: Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
</table>

**Location, Description and Size:**
The assessment area has Trumfleet to the south west, Braithwaite to the north east and the New Junction Canal to the east. The area is predominantly intensive arable farmland, bisected by drains and hedgerows. A large part of the area is important for local biodiversity as there are two identified Local Wildlife Sites (Old Ings and Chequer Lane (8.1a and b) and Wrancarr Drain and Braithwaite Delves (7.29)) within the assessment area.

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**

   *BGS Mineral Resource data identifies Sub Alluvial inferred resources are indicated within the majority of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves*

2. **Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)**

   *No*

3. **Is there any evidence of recent / historic extraction in the area?**
Yes, but not for sand and gravel extraction. This area is identified as Trumfleet gas field.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (sufficient landbank of permissions)

<table>
<thead>
<tr>
<th>Area No. 33</th>
<th>Resource and Borehole Data: Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td></td>
</tr>
<tr>
<td>This assessment area is located north east of Fishlake and runs to the north of the river Don. The area is dominated by intensive arable farmland, bisected by hedgerows. The southern part of the assessment area along the river Don is also important for local biodiversity and is identified as a local wildlife site Thorne Waterside, Oxbows and Ings. (site no. 9.12)</td>
<td></td>
</tr>
<tr>
<td><strong>1. Does the area contain a viable resource?</strong> (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td></td>
</tr>
<tr>
<td>BGS Mineral Resource data identifies Sub Alluvial inferred resources are indicated within the majority of the area. There are also tiny pockets of Glaciolacustrine deposits near Wood Lane. These deposits may contribute toward the maintenance of the landbank of permitted reserves.</td>
<td></td>
</tr>
<tr>
<td><strong>2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable?</strong> (e.g. accessibility limitations)</td>
<td></td>
</tr>
<tr>
<td>Access limitations. Access along Sour Lane and Cowick Road leads to Jubilee Bridge which is now open to traffic but with a restricted weight limit.</td>
<td></td>
</tr>
<tr>
<td><strong>3. Is there any evidence of recent / historic extraction in the area?</strong></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td><strong>4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?</strong></td>
<td></td>
</tr>
<tr>
<td>Yes. Part of area being ‘developed’ as an EA flood alleviation scheme</td>
<td></td>
</tr>
<tr>
<td><strong>5. Is the land likely to be available for the intended form of development within the relevant time period?</strong></td>
<td></td>
</tr>
<tr>
<td>unlikely - no representations received for mineral extraction</td>
<td></td>
</tr>
</tbody>
</table>

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 34</th>
<th>Resource and Borehole Data: Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td></td>
</tr>
<tr>
<td>This assessment area is north of Stainforth and south west of Fishlake. The area is</td>
<td></td>
</tr>
</tbody>
</table>
predominantly intensive arable farmland, bisected by hedgerows and drains. Two small areas are important for local biodiversity (local wildlife sites, Thorne Waterside, Oxbows and Ings. (site no. 9.12) and West Ings (site no. 7.33)

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Sub Alluvial inferred resources are indicated within the majority of the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No infrastructure or development proposals, and limited road infrastructure and access

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

Yes, a small section of the assessment area (along the river Don near Fishlake and Stainforth part) is part of an EA flood alleviation scheme.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 35</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(No Borehole Data)</td>
</tr>
</tbody>
</table>

**Location, Description and Size:**
This small assessment area runs along side the New Junction Canal, with the small village of Kirk Bramwith at its centre. The area is predominantly intensive arable farmland with field boundaries consisting of intermittent hedgerows. A small part of the area is also important for local biodiversity with Bramwith Lock Woods (site no. 8.3) and Ruskholme (site no, 8.1c) identified as local wildlife sites.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a small pocket of river terrace deposits and sub alluvial inferred resources indicated within the majority of the southern area, with sub alluvial inferred resources also in the north area along the river Don. A pocket of Glaciolacustrine deposits is also identified in the northern area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No infrastructure or development proposals, and limited road infrastructure and access

3. Is there any evidence of recent / historic extraction in the area?
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

Area No. 36

Resource and Borehole Data: Sand and Gravel
(No Borehole Data)

Location, Description and Size:
The assessment area lies to the west of Stainforth and south of Stainforth / Doncaster Road. Historic extraction has taken place in this area, however it still consists of regular field patterns of predominantly intensive arable farmland.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a large pocket of river terrace deposits in the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Limited road infrastructure and access? (through Barnby Dun or Stainforth)

3. Is there any evidence of recent / historic extraction in the area?

BGS 'BritPits' and 'Historic Mineral Permissions databases identify an 'inactive' sand and gravel operation (The Lings within this assessment area. It appears the site has not contributed toward the sub-regional apportionment for over ten years.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

Area No. 37

Resource and Borehole Data: Sand and Gravel
(No Borehole Data)

Location, Description and Size:
This small assessment area to the south of river Don and west of Stainforth is predominantly
intensive arable farmland, with field boundaries of intermittent hedgerows and large trees.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies a large area of sub-alluvial inferred resources indicated in the vicinity of the river Don area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

*No infrastructure or development proposal. Limited road infrastructure and access*

3. Is there any evidence of recent / historic extraction in the area?

*No*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?*

*EA flood alleviation scheme*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No**

**Area No. 38**

**Resource and Borehole Data: Sand and Gravel**

(No Borehole Data)

**Location, Description and Size:**
This assessment area is north of Hatfield and east of Stainforth. The area is known locally as the ‘Unity-DN7’ project area. Hatfield Colliery has recently closed and contains a large colliery spoil tipping area. The northern area is intensive agricultural farm land and is also important as a local biodiversity site (local wildlife sites Ashfield Banks (9.13a and 9.13b). There are also many representations in the whole area for a variety of development proposals, which are being evaluated.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies a large area of sub-alluvial inferred resources and river terrace deposits are indicated in the majority of the area. It is unlikely these deposits will contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

*Yes. Stainforth Marina and Unity–DN& have outline permission.*

3. Is there any evidence of recent / historic extraction in the area?

*Yes, however this is for Hatfield Colliery not sand and gravel extraction*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional...*
flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

No

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 39</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(No Borehole Data)</td>
</tr>
</tbody>
</table>

**Location, Description and Size:**
This assessment area is located west of Thorne along the M18 motorway and consists of an intensive arable farmland area to the south and Buntings Wood to the north separated by part of Thorne Ashfield’s, Local Wildlife Site (site no. 9.13a).

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a large area of sub-alluvial inferred resources indicated in the majority of the area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ’Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Limited Access. Although adjacent the M18 the road access is limited to Poffinder Wood Road and onto Kirton Lane, which goes through either Stainforth or Throne.

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 40</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(No Borehole Data)</td>
</tr>
</tbody>
</table>

**Location, Description and Size:**
Golf course located south of Thorne and north of Kirton Lane. The site is also important for local biodiversity (Local Wildlife Site Thorne Ashfield’s (site no. 9.13a)).

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)
BGS Mineral Resource data identifies a large area of sub-alluvial inferred resources indicated in the majority of the area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Yes, the area currently supports active recreation and local employment

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

Highly unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 41</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>(No BGS Borehole Data)</td>
<td></td>
</tr>
</tbody>
</table>

**Location, Description and Size:**
This large assessment area is located to the south of Thorne, between the M180 and the M18. The area between the M18 and the A1146 consists of a golf course and intensive arable farmland. The area between the A1146 and the A614 is intensive arable farmland, and the area to the east of the A614 is also intensive arable farmland

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a large area of sub-alluvial inferred resources indicated in the majority of the area. Between the A1146 and the A614 a small pocket of river terrace deposits is indicated, and to the east of the A614 (Bradholme) a small pocket of glaciofluvial deposits is also indicated. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

An industry representation was made in 2009 on behalf of Tudworth Hall Farm, which was subsequently withdrawn. The company carried out a few trial pits in the area (including the small pocket of river terrace deposits near the A614) and found only soft sand.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Golf Course. The area to the east of the A614 is identified as the ‘Thorne South Extension’ in the LDF representation

3. Is there any evidence of recent / historic extraction in the area?

No
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely (one representation was received within the area and subsequently withdrawn)

Proceed to Stage Two Evaluation: No

---

**Area No. 42**

**Resource and Borehole Data: Sand and Gravel**

(No Borehole Data)

**Location, Description and Size:**

This assessment area is in the vicinity of the A614 / A18 roundabout near the M180. The area is mostly intensive arable farmland, known as Tudworth Hall Farm, with the farm at the centre.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a three small patches of suitable material in the northern area. These are river terrace deposits, sub-alluvial inferred resources and glaciofluvial deposits. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

An industry representation was made in 2009 on behalf of Tudworth Hall Farm, which was subsequently withdrawn. The company carried out a few trial pits in the area (including the small pocket of sub-alluvial inferred resources and glaciofluvial deposits) and found only soft sand.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

The assessment area is immediately adjacent the A18 / A614. employment representation subject to further analysis

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

---

**Area No. 43**

**Resource and Borehole Data: Sand and Gravel**

(No Borehole Data)

**Location, Description and Size:**

www.doncaster.gov.uk/ldf
This assessment area is known as Barnby Dun Fields to the east of Barnby Dun. It is an extensive area of intensive arable farmland, with a small pocket of deciduous woodland at the centre.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies fragmented patches of river terrace deposits within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No.

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No

5. Is the land likely to be available for the intended form of development within the relevant time period?

Unlikely (no representations or interest for mineral development)

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 44</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Borehole (metres)</td>
</tr>
<tr>
<td></td>
<td>SE 60 NW 33</td>
</tr>
<tr>
<td></td>
<td>SE 60 NW 37</td>
</tr>
</tbody>
</table>

Location, Description and Size:

This is a relatively linear assessment area located between Edenthorpe, Kirk Sandall and Armthorpe Lane. The area is predominantly intensive arable farmland with a linear woodland known as Long Plantation separating the north and south sections.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies river terrace deposits within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves. However the borehole data from Mineral Assessment Report 92 shows mineral of limited value.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Representations for development received ad being assessed

3. Is there any evidence of recent / historic extraction in the area?
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No, however the area contains a Local Wildlife Site 8.20 Long Plantation

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 45</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>No borehole data</td>
<td></td>
</tr>
</tbody>
</table>

Location, Description and Size:
This is a relatively small area surrounded by historic (and current) sand and gravel quarries. The southern area is an intensive arable field with parcels of land used for light industry (horticulture and transport), family dwellings and grazing paddocks.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies glaciofluvial and river terrace deposits within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

A small area in the centre of this assessment area has been put forward for multiple options – to be assessed

3. Is there any evidence of recent / historic extraction in the area?

A small area near the northern boundary is identified as a sand and gravel pit plus most of the site is covered by a historic (worked) consent (81/0360P). The surrounding area has been subject to previous applications and mineral extraction. Also Hanson’s have put forward a representation to the west which has since been granted permission (15/01094/MINA)

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No, however the area contains a Local Wildlife Site (4.58a,b, and c) in the northern corner of area 45

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction (Check with Roy Sykes)

Proceed to Stage Two Evaluation: No
NE 38 – Overburden 0.0m, Mineral 4m, Waste 2m, Bedrock 0.1m

Location, Description and Size:
This large assessment area is located to the west of the A638 (Great North Road). The area is predominantly intensive arable farmland fields bisected by hedgerows and also containing small pockets of woodland. Yorkshire Caravans and a small area of residential housing is located in the south west corner.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a patchwork of glaciofluvial deposits within the assessment area. Mineral Assessment Report 37(borehole SK69 NE38) also identifies 4m of mineral at this location. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No access limitations. Accessibility improved by the delivery of FARRRS. Located to the south of the airport.

3. Is there any evidence of recent / historic extraction in the area?

A small area to the north east of the site is covered by a historic (worked) consent (81/0360P). This is the location of the borehole data, and extraction has taken place. The land further east and south is also subject to historic and current extraction.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No constraints initially evident.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

Area No. 47

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borehole</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td>SE 60 NE 39</td>
</tr>
<tr>
<td>SE 60 NE 43</td>
</tr>
<tr>
<td>SE 60 NE 47</td>
</tr>
<tr>
<td>SE 60 NE 48</td>
</tr>
<tr>
<td>SE 60 NE 49</td>
</tr>
<tr>
<td>SE 60 SE E1</td>
</tr>
</tbody>
</table>

Location, Description and Size:
Located to the south of Hatfield Woodhouse this extensive area is found between the M18 and Gatewood Lane. The area is predominantly intensive arable farmland (and farms), bisected by hedgerows and drains. A large motocross facility is also located off Holme Wood Lane.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies a patchwork of river terrace, glaciolacustrine and
1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies fragmented patches of river terrace and 'concealed' river terrace deposits within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

A large part of the central area has been granted planning permission for 'leisure development'. 'Huggin Carr Lakes' is a water based holiday lodge complex comprising of 150 lodges, a touring caravan site and a golf course. So unavailable as an 'are of search'

3. Is there any evidence of recent / historic extraction in the area?

A planning application was granted (051/1635/P) for sand and gravel extraction, but this has not taken place and the permission has now lapsed.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No, however some of this assessment area falls within 3km of Thorne and Hatfield Moor special protection area, therefore applications will be required to deliver a net gain in nightjar foraging habitat.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 48</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td>This assessment area is located south west of Auckley, to the north of the East Coast Mainline railway and to the east of the river Torne. The area is predominantly intensive arable farmland (including farmstead), but also contains a two large woodlands.</td>
</tr>
<tr>
<td>1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td>BGS Mineral Resource data identifies fragmented patches of river terrace and 'concealed' river terrace deposits within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.</td>
</tr>
<tr>
<td>2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)</td>
<td>Access limitations.</td>
</tr>
<tr>
<td>3. Is there any evidence of recent / historic extraction in the area?</td>
<td>No historic extraction within this proposal area, but the BGS Historic Planning Permissions dataset shows permissions were granted for surface mineral workings in areas to the east of this assessment area.</td>
</tr>
<tr>
<td>4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development</td>
<td></td>
</tr>
</tbody>
</table>
is unlikely to be deliverable?

There are no overriding environmental constraints associated with this assessment area, however Insley plantation is a Local Wildlife Site (4.33)

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

Area No. 49

Resource and Borehole Data: Sand and Gravel

<table>
<thead>
<tr>
<th>Borehole</th>
<th>Overburden</th>
<th>Mineral</th>
<th>Waste</th>
<th>Bedrock</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 60 SW 55</td>
<td>0.8</td>
<td>2.5</td>
<td>0.2</td>
<td>Boundary</td>
</tr>
</tbody>
</table>

Location, Description and Size:
This large assessment area is located to the south of Branton. The area contains a number of sizeable woodlands, the Yorkshire wildlife Park and a water treatment works. The southern area is intensive arable farmland (in the ownership of the park).

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies patches of river terrace and ‘concealed’ river terrace deposits within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

The Yorkshire Wildlife Park is a major tourist attraction and owns the majority of the area.

3. Is there any evidence of recent / historic extraction in the area?

No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There appears to be no overriding major environmental constraints, however there are Local Wildlife Sites identified in this area (Black Carr Plantation (4.36), Old Spring Wood (4.35), and Torne Valley (4.48a,c,e, and f)

5. Is the land likely to be available for the intended form of development within the relevant time period?

No

Proceed to Stage Two Evaluation: No

Area No. 50

Resource and Borehole Data: Sand and Gravel

<table>
<thead>
<tr>
<th>Borehole</th>
<th>Overburden</th>
<th>Mineral</th>
<th>Waste</th>
<th>Bedrock</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 60 SW 42</td>
<td>0.8</td>
<td>3.2</td>
<td>0.4</td>
<td>Boundary</td>
</tr>
<tr>
<td>SE 60 SW 46</td>
<td>1.5</td>
<td>5.8</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>SE 60 SW 51</td>
<td>0.5</td>
<td>5.3</td>
<td>0.1</td>
<td></td>
</tr>
</tbody>
</table>
Location, Description and Size:
This large assessment area is located to the east of the M18 (near Armthorpe junction 4). The area is predominantly intensive arable farmland with rectangular fields and fragmented or missing hedgerow boundaries. There are also a number of small woodland areas.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies patches of river terrace, ‘concealed’ river terrace deposits and glaciolacustrine within the assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Gatewood Lane is located within the centre of this area and gives access to Nutwell Lane or the A614 (accessibility limitations may apply).

3. Is there any evidence of recent / historic extraction in the area?

BGS Historic Planning Permissions dataset shows a permission granted for surface mineral working on a 24Ha area (off Gatewood Lane)

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints shown in this area. There are two Local Wildlife Sites. 'Seven Yards Road (8.31 a&b) and Common Plantation (4.38). There is also a small part of the assessment area around SE6539 0363 which falls within 3km of Thorne and Hatfield Moor special protection area, therefore applications would be required to deliver a net gain in nightjar foraging habitat. (considered in stage two evaluation)

5. Is the land likely to be available for the intended form of development within the relevant time period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 51</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borehole</td>
<td>Overburden</td>
</tr>
<tr>
<td>SE 60 SE 25</td>
<td></td>
</tr>
<tr>
<td>SE 60 SE 26</td>
<td></td>
</tr>
</tbody>
</table>

Location, Description and Size:
This large assessment area is located to the west of the A614. The area is predominantly intensive arable farmland with rectangular fields and fragmented or missing hedgerow boundaries. There are also one large and two smaller woodland areas.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies patches of river terrace and 'concealed' river terrace...
1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies patches of river terrace and 'concealed' river terrace deposits, a small area of blown sand and glaciofluvial deposits within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Hatfield Woodhouse village lies at the centre of the area and would be the main access route

3. Is there any evidence of recent / historic extraction in the area?

Gatewood Lane gives access to the A614 (restrictions may apply).

Hatfield Woodhouse lies at the centre of the area and would be the main access route.
No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No overriding environmental constraints, however the assessment area falls within 3km of Thorne and Hatfield Moor special protection area, therefore applications would be required to deliver a net gain in nightjar foraging habitat.

5. Is the land likely to be available for the intended form of development within the relevant time period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (investigate specific borehole location areas)

<table>
<thead>
<tr>
<th>Area No. 53</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Borehole</td>
</tr>
<tr>
<td></td>
<td>SE 60 NE 41</td>
</tr>
<tr>
<td></td>
<td>SE 60 NE 45</td>
</tr>
</tbody>
</table>

Location, Description and Size:
This assessment area is located between the A614 and Hatfield Moor, south east of Hatfield Woodhouse. The area consists of intensive arable farmland to the south and former mineral extraction to the north, with some surrounding farmland.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies patches of river terrace and ‘concealed’ river terrace deposits, and a small area of blown sand deposits within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves. Tarmac confirmed the mineral which was being extracted in the application area contained lignite and required additional processing.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Large former sand and gravel pit now used for fishing and holiday homes

3. Is there any evidence of recent / historic extraction in the area?

89/0099/P – Extraction of sand and gravel on 88Ha of land (granted) followed by 99/3486/P extraction of sand and gravel extension of time (pending consideration for a long period of time and subsequently withdrawn due to objection by NE). Tarmac subsequently sold the site and was granted permission for leisure use (fishing and holiday homes) (11/02697/FUL). (Also 11/02773/MIN – Application for the incidental processing and export of stockpiled sand and gravel leading to the restoration of the site (including the regularisation of slope gradients around existing lakes for appropriate pedestrian access and refurbishment of existing car parking area) for a temporary period of two years.)

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

The area is immediately adjacent Hatfield Moor SPA / SAC / SSSI. Natural England express concerns over mineral extraction in respect of hydrological impacts on the moors. These issues
may result in undeliverable minerals development.

5. Is the land likely to be available for the intended form of development within the relevant time period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

Area No. 54

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borehole</td>
</tr>
<tr>
<td>SE 60 NE</td>
</tr>
</tbody>
</table>

Location, Description and Size:
The assessment area is located between Gatewood Lane and the A614 and consists of intensive arable farmland with rectangular fields and remnant hedgerow boundaries to the north and south. A residential park home and a number of farmsteads are located in the central area.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies patches of river terrace and 'concealed' river terrace deposits, and a small area of glaciolacustrine deposits within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

No housing or employment development proposals and the site is immediately adjacent the A614.

3. Is there any evidence of recent / historic extraction in the area?

The BGS 'BritPit' database indicates the location of the Hatfield West gas field. Un-consented extraction has taken place in the vicinity of SE 664 056. This matter is under investigation.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

The eastern boundary of the assessment area is approximately 1km from Hatfield Moor SPA / SAC / SSSI. Natural England have historically expressed concerns over mineral extraction in respect of hydrological impacts on the moors.

5. Is the land likely to be available for the intended form of development within the relevant time period?

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

Area No. 55

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Sand and Gravel</th>
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</thead>
<tbody>
<tr>
<td>Borehole</td>
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<tr>
<td>SE 60 NE 31</td>
</tr>
<tr>
<td>SE 60 NE 34</td>
</tr>
</tbody>
</table>

Location, Description and Size: (373Ha)

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This assessment area is located to the east of the M18 (junction 4) and south of the M180. The area consists of intensive arable farmland with rectangular fields and bisected by hedgerows with mature trees, remnant hedgerows and drains to the north and south. There are a number of mineral extraction sites (historic and current), farms and individual dwellings scattered within the assessment area. Hatfield Young Offender's Institution is located in the north adjacent the A1146 with Hatfield Woodhouse is in the south.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies a large area of glaciofluvial and glaciolacustrine deposits, blown sand, sub-alluvial indicated and inferred resources, and river terrace deposits within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Hatfield Young Offender’s Institution is located in the north adjacent the A1146 with Hatfield Woodhouse is in the south. There are also a number of mineral extraction sites (historic and current).

3. Is there any evidence of recent / historic extraction in the area?

The BGS 'BritPit' database indicates historic and active workings in the vicinity of Hatfield Woodhouse in the south of this assessment area. There is also a historic extraction area off Tudworth Road near the M180, which is currently being used as a waste transfer station under consent 94/0611/PF, 94/0611/PT and 99/4550/P.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There appears to be no overriding major environmental constraints within this assessment area. However approximately 2/3rds of the assessment area falls within 3km of Thorne and Hatfield Moor special protection area, therefore any applications would be required to deliver a net gain in nightjar foraging habitat.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 56</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
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<tbody>
<tr>
<td>Borehole</td>
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<td>SE 60 SE 24</td>
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<tr>
<td>SE 60 SE 18</td>
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</tr>
</tbody>
</table>

Location, Description and Size: 192 Ha
This assessment area is bounded by Hatfield Moor (SPA, SAC, SSSI) to the north, the A614 to the west and the River Torne drain to the south. The area is intensive arable farmland consisting of geometric fields bounded by drains and fragmented hedgerows. There are also three small woodland copses within this area.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)
The BGS Mineral Resource data identifies a large area of river terrace deposits, concealed river terrace deposits, blown sand, sub-alluvial indicated resources, and within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

The area is adjacent to the A614 route regularly used for the transport of minerals.

3. Is there any evidence of recent / historic extraction in the area?

There is no evidence of extraction within this assessment area, however the wider area has been a centre for extraction for decades.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

This assessment area is immediately adjacent to Hatfield Moor SPA / SAC / SSSI. Natural England express concerns over mineral extraction in respect of hydrological impacts on the moors. These issues may result in undeliverable minerals development. As the assessment area falls within 3km of Thorne and Hatfield Moor special protection area, any applications would also be required to deliver a net gain in nightjar foraging habitat.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 57</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borehole</td>
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<tr>
<td>SE 60 SE 23</td>
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</tbody>
</table>

Location, Description and Size: 140 Ha
This assessment area is bounded by the A614 to the west, the River Torne drain to the north and Blaxton Common mineral site to the south. The area is a mixture of intensive arable farmland, linear woodland (Long Plantation) and willow biomass bio-fuel crops

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies a large area of river terrace deposits, concealed river terrace deposits, blown sand, and sub-alluvial indicated resources, within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

The area is adjacent to the A614 route regularly used for the transport of minerals.

3. Is there any evidence of recent / historic extraction in the area?
There is no evidence of extraction within this assessment area; however the area to the south is a large extraction area known as Blaxton Quarry.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

This assessment area lies close to Hatfield Moor SPA / SAC / SSSI. Natural England express concerns over mineral extraction in respect of hydrological impacts on the moors. As the assessment area falls within 3km of Thorne and Hatfield Moor special protection area, any applications would also be required to deliver a net gain in nightjar foraging habitat. Long Plantation is also a Local wildlife Site.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 58</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Borehole</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>SE 60 SE 28</td>
</tr>
</tbody>
</table>

Location, Description and Size: 180 Ha
This assessment area is located to the east of the A614 and north of the B1396. The area consists of intensive arable farmland made up of geometric fields bounded by fragmented hedgerows and drains. The linear area along the A614 is predominantly willow biomass bio-fuel crops.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies a large area of concealed river terrace deposits, river terrace deposits, blown and sub-alluvial indicated resources, within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

This area is very accessible due to the proximity to the A614

3. Is there any evidence of recent / historic extraction in the area?

The BGS 'BritPit' database shows no records of working in this assessment area, however the BGS 'Historic Minerals Planning Permissions' database shows an application was made to extract sand and gravel at SE672 025.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

The northern part of the assessment area falls within 3km of Thorne and Hatfield Moor special protection area, any applications would be required to deliver a net gain in nightjar foraging habitat.
5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data) target area around borehole SE 60 SE 33

<table>
<thead>
<tr>
<th>Area No. 59</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
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<tbody>
<tr>
<td></td>
<td>Borehole</td>
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<tr>
<td></td>
<td>SE 60 SE 27</td>
</tr>
</tbody>
</table>

Location, Description and Size: 227 Ha
This assessment area is north east of Auckley, to the east of the river Torne. The area consists of geometric fields of intensive arable farmland, bounded by drains and fragmentary hedgerows, but willow biomass is also evident.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies a patchwork of river terrace deposits, concealed river terrace deposits, and blown sand within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Limited access into this area (B1396 Mosham road)

3. Is there any evidence of recent / historic extraction in the area?

The BGS ‘Historic Mineral Permissions’ database shows patches of mineral development and applications for mineral development within this assessment area. There may be some small patches of mineral remaining.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There appear to be no overriding major environmental constraints within this assessment area, however the north falls within 3km of Thorne and Hatfield Moor special protection area, any applications would also be required to deliver a net gain in nightjar foraging habitat.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 60</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
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</tr>
<tr>
<td></td>
<td>SE 60 SE 34</td>
</tr>
</tbody>
</table>

Location, Description and Size: 95 Ha
This small assessment area lies to the north of Bank End road near Blaxton and is an intensively farmed arable landscape of geometric fields bounded by drains and fragmented or

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absent hedgerows. A woodland copse and fishing pond is also evident.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies a large area of concealed river terrace deposits, with river terrace deposits, and blown sand in this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No major infrastructure / development issues. Area accessed from Bank End Road which leads onto the A614

3. Is there any evidence of recent / historic extraction in the area?

The fishing pond within this assessment area included the incidental extraction of minerals, see application 08/00357/MIN.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?)

No, however a small section in the north is within the nightjar foraging area

5. Is the land likely to be available for the intended form of development within the relevant time period?

No representations received for mineral extraction

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 61</th>
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</table>

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borehole</td>
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<tr>
<td>---------</td>
</tr>
<tr>
<td>SE 60 SW 41</td>
</tr>
<tr>
<td>SE 60 SW 44</td>
</tr>
<tr>
<td>SE 60 SW 45</td>
</tr>
</tbody>
</table>

Location, Description and Size: 184 Ha
This assessment area is located to the south of Armthorpe and west of the M18. The area is predominantly intensive arable farmland with fragmented or absent hedgerows in the south and grazing fields with intact hedgerows in the north east. There are also a few woodland copses.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies river terrace deposits, concealed river terrace deposits, and glaciolacustrine deposits within this assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Access through Armthorpe or Old Cantley is limited. Development proposals have been received within this area.

3. Is there any evidence of recent / historic extraction in the area?
No

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

*There are no overriding environmental constraints, there are however five Local wildlife sites within this area.*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No**

### Area No. 62

#### Resource and Borehole Data: Sand and Gravel

<table>
<thead>
<tr>
<th>Borehole</th>
<th>Overburden</th>
<th>Mineral</th>
<th>Waste</th>
<th>Mineral</th>
<th>Bedrock</th>
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<td><strong>Bedrock</strong></td>
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<td></td>
<td></td>
<td>0.3</td>
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</table>

#### Location, Description and Size: 196.5 Ha

This assessment area surrounds the village of Old Cantley (a conservation area) and is bounded by Cantley Lane and Doncaster Road to the south, the M18 to the east and Cantley to the west. To the west of the village the landscape is reflective of a historic parkland, with intensive arable fields and pig farming to the north and east. The fields are bounded by intact, fragmented, and absent hedgerows. The area is also 'dotted' with woodland copses and woodlands of varying sizes.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*The BGS Mineral Resource data identifies a large area of glaciolacustrine deposits to the north and river terrace deposits in the west and central assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

*Access through Old Cantley (a conservation area) is limiting.*

3. Is there any evidence of recent / historic extraction in the area?

*There is no evidence of recent or historic extraction in the area.*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

*There are no overriding environmental constraints, there are however three Local Wildlife Sites within this area. Crowther Wood (4.40), Cantley Hall Park (4.39a and b), Kirk Moor Plantation (2.42 a and b)*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*
Proceed to Stage Two Evaluation: No

**Area No. 63**

**Resource and Borehole Data: Sand and Gravel**

<table>
<thead>
<tr>
<th>Borehole</th>
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<th>Mineral</th>
<th>Waste</th>
<th>Bedrock</th>
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**Location, Description and Size: 133 Ha**
This assessment area is located off M18 junction 4, south of the A630 (West Moor Link road). The area consists of three self contained cells, with the western and central cells intensive arable farm land and the eastern most cell adjacent the M18 developed as warehousing.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies a glaciolacustrine deposits and river terrace deposits in the west and central assessment area. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

1/3 of the area is covered by Westmoor Park employment area. 1/3 of the site is pending consideration for mixed use development (15/02597/OUTM) and 1/3 is subject to a Local Plan representation. The area is ideally suited to access the M18.

3. Is there any evidence of recent / historic extraction in the area?

There is no evidence of recent or historic extraction within this assessment area.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints within this assessment area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

No

Proceed to Stage Two Evaluation: No

**Area No. 64**

**Resource and Borehole Data: Sand and Gravel**

<table>
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<tr>
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**Location, Description and Size: 345 Ha**
This assessment area is found between Barnby dun and Dunsville and is bounded by Armthorpe Lane to the west, Thorne Road to the south. The area is predominantly an intensive arable farmland of semi-regular medium to large fields bounded by drains and intact / fragmented hedgerows. There is also a centrally located farmstead, a small woodland copse and larger woodland, and irrigation lagoons.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)
The BGS Mineral Resource data identifies centrally located river terrace deposits and concealed river terrace deposits. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

access - Armthorpe Lane and the A18 Thorne road.

3. Is there any evidence of recent / historic extraction in the area?

The BGS 'BritPit' and Historic Mineral Applications databases show no historic extraction within this assessment area. Dunsville Quarry Park is located immediately on the eastern boundary and is a restored sand pit dating from 1947. Aerial photography shows disrupted soil structure which may indicate prior extraction.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints.

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 65</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
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<tbody>
<tr>
<td></td>
<td>Borehole</td>
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<td>SE 60 NW 41</td>
</tr>
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<td></td>
<td>SE 60 NE 42</td>
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</table>

Location, Description and Size: 447 Ha

This assessment area is located to the south of Dunsville and is bounded by the A630 and the M18. The area is predominantly an intensive arable farmland of regular medium to large fields bounded by drains and fragmented / absent hedgerows.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

The BGS Mineral Resource data identifies patches of peripherally located river terrace deposits and glaciolacustrine deposits, with two small centrally located patches of sub alluvial indicated resources. BGS Borehole data also identifies a potential resources not covered by the 'Mineral Resource Map. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

The southern area submitted as a large employment representation (to be assessed) This southern area (fragmented glaciolacustrine deposits) ideally suited to access via the A630 and access in the north (large patch glaciolacustrine deposits) could potentially be through the
### 3. Is there any evidence of recent / historic extraction in the area?

*The BGS 'BritPit' and Historic Mineral Applications databases show no recent or historic extraction in this area.*

### 4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?*

*There are no overriding major environmental constraints, however there are two Local Wildlife Sites within this area Cozen Croft (ID 8.21) and Wyndthorpe Hall (ID 9.35)*

### 5. Is the land likely to be available for the intended form of development within the relevant time period?

*No representations received for mineral extraction*

**Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)**

<table>
<thead>
<tr>
<th>Area No. 66</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Borehole</td>
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<tr>
<td>SE 60 NE 33</td>
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</tbody>
</table>

**Location, Description and Size: 85 Ha**

This assessment area is located to the east of Dunsville and is bounded by Woodhouse Lane to the south and the M18. The area is predominantly an intensive arable farmland of regular medium to large fields bounded by intact and fragmented hedgerows. Two small woodland copses are also evident in the area and the arable fields occasionally contain individual mature deciduous trees.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*The BGS Mineral Resource data identifies a vast area of river terrace deposits. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

*The whole of the western area has been submitted as a large housing representation (to be assessed. Applications for housing have been submitted and refused.*

3. Is there any evidence of recent / historic extraction in the area?

*The BGS 'BritPit' and Historic Mineral Applications databases show no historic or current applications within this assessment area, however the Lings Quarry (Woodhouse Lane) is immediately adjacent his assessment area.*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?*

*There are no overriding major environmental constraints.*

5. Is the land likely to be available for the intended form of development within the relevant time period?
no representations received for mineral extraction

Proceed to Stage Two Evaluation: Yes (due to mineral resource / borehole data)

<table>
<thead>
<tr>
<th>Area No. 67</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
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<td>No borehole data</td>
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</tbody>
</table>

**Location, Description and Size: 31.54 Ha**

This area is at the centre of Hatfield Moor SPA / SAC / SSSI locally known as Lindholme Island and is the home to the Gomde Buddhist monastery.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   The BGS Mineral Resource data identifies an area of glaciofluvial deposits. These deposits have the potential to contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   Gomde Buddhist monastery in a remote location in the centre of Hatfield Moor

3. Is there any evidence of recent / historic extraction in the area?

   No evidence of recent or historic extraction within this assessment area, however Hatfield moor was a local centre peat extraction

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?)

   Remote location in the centre of Hatfield Moor SPA / SAC / SSSI

5. Is the land likely to be available for the intended form of development within the relevant time period?

   No

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<table>
<thead>
<tr>
<th>Area No. 68</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Borehole data available</td>
<td></td>
</tr>
</tbody>
</table>

**Location, Description and Size: 201 Ha**

This area is located between Conisbrough and Edlington off the A630 and is predominantly intensive arable farmland bounded by intact and fragmented hedgerows. The area also includes two disused mineral lines now used for walking and cycling, and two areas of historic domestic tipping. North of the A630 by Butterbusk Farm, this area has been put forward as a representation for an extension to Warmworth quarry.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone indicated in the majority of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves
2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No

3. Is there any evidence of recent / historic extraction in the area?

The BGS Historic Mineral Applications database identifies two areas of historic permission granted for surface mineral working

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints associated with this area. New Edlington Brick Pit SSSI is a geological SSSI located within this area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

Warmsworth quarry have put in a representation for and extension and industrial mineral safeguarding area.

Proceed to Stage Two Evaluation: Yes –

<table>
<thead>
<tr>
<th>Area No. 69</th>
<th>Resource and Borehole Data: Sand and Gravel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No borehole data</td>
</tr>
</tbody>
</table>

**Location, Description and Size: 552 Ha**

This assessment area follows the pattern of the geology map and surrounds the Mexborough area and mirrors the course of the river Don and Dearne. The southern area along the river Don is a colliery spoil tip restored to open space and residential outdoor activity centre. The northern area is a YWT nature reserve and intensive arable farmland.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies sub-alluvial (inferred resources) are indicated in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Various housing and employment representations to be assessed. Infrastructure limitations due to nature of road network

3. Is there any evidence of recent / historic extraction in the area?

The BGS Historic Mineral Applications and Brit Pit database show no historic applications on working within the area. A historic brick pit is identified just outside the boundary.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no SPAs or SACs in the area. However Old Denaby Wetlands (ID 5.3) is a Local Wildlife Site and SSSI. Mexborough Low Pasture (ID 5.5) and Denaby Ings Area ID (6.35) are also Local Wildlife Sites. Denaby Ings is also a SSSI.
5. Is the land likely to be available for the intended form of development within the relevant time period?

*Unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No**

### Area No. 70

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>No borehole data available</td>
</tr>
</tbody>
</table>

**Location, Description and Size: 550 Ha**

This assessment area is located south of the B642, north of the A635 and west of the A1M. The area includes part of Brodsworth Hall and Gardens (Historic Parkland) and intensive arable farmland, small blocks of trees, and parkland trees. The village of Marr is on the southern boundary (A635)

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

*No major infrastructure / development issues and the southern area is adjacent the A 635*

3. Is there any evidence of recent / historic extraction in the area?

*The BGS 'BritPit' and Historic Mineral Applications databases show no historic or current applications within this assessment area, however there is a woodland called Freestone Quarry Wood, which identifies (pre-planning) historic quarrying.*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

*There appears to be no overriding major environmental constraints.*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*Unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

### Area No. 71

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>No borehole data available</td>
</tr>
</tbody>
</table>

**Location, Description and Size: 353 Ha**

This assessment area is located south of Marr and includes Marr Grange. The landscape in this area is intensive arable farmland with absent historic field boundaries and hedgerows, small blocks of woodland trees and strips.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*
2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

The area is located adjacent the A635

3. Is there any evidence of recent / historic extraction in the area?

The BGS ‘BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area. Marr Grange Holt (ID 6.42) is a Local Wildlife Site

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

<table>
<thead>
<tr>
<th>Area No. 72</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Borehole data available</td>
</tr>
</tbody>
</table>

Location, Description and Size: 289 Ha
This assessment area is located to the south of the A635, east of Hickleton. This area consists of intensive arable farmland with absent historic field boundaries and hedgerows, small blocks of woodland trees and strips. A small area in the north west is part of Hickleton Park (historic parkland).

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No major infrastructure / development issues and the assessment area is adjacent the A635

3. Is there any evidence of recent / historic extraction in the area?

The BGS ‘BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area, however there is a woodland called Barnburgh Park Quarry Wood, which identifies historic quarrying.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area. However Stables Holt (ID 6.36), Barnburgh Park Quarry Wood (ID 6.35), Hickleton Park (ID 6.34) are all Local Wildlife Sites

5. Is the land likely to be available for the intended form of development within the relevant time period?

unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)
### Area No. 73

**Resource and Borehole Data:** Magnesian Limestone  
*No Borehole data available*

**Location, Description and Size:** 159 Ha  
*This assessment area is located west of the A1M, south of Pickburn and north of the A635. This area consists of huge fields of intensive arable farmland with absent historic field boundaries and hedgerows.*

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**  
   *BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)**  
   *No major infrastructure / development issues and the assessment area is adjacent the A 635*

3. **Is there any evidence of recent / historic extraction in the area?**  
   *The BGS ‘BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area.*

4. **Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?**  
   *There are no overriding major environmental constraints identified within this assessment area.*

5. **Is the land likely to be available for the intended form of development within the relevant time period?**  
   *unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

### Area No. 74

**Resource and Borehole Data:** Magnesian Limestone  
*No Borehole data available*

**Location, Description and Size:** 483 Ha  
*This assessment area is located between Woodlands and Scawthorpe. The area is split by A635 Barnsley Road, the A638 Great North Road and ends at the East Coast Main Line. The area is intensive arable farmland.*

1. **Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)**  
   *BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. **Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)**

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**
A number of development representation have been received within this area and are currently being assessed.

The BGS ‘BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area.

There are no overriding major environmental constraints identified within this assessment area.

There are however, three Local Wildlife Sites Hampole Wood (ID 6.12), Lound Hill Quarry (ID6.11) and Breadwalls Plantation (6.9)

Area No. 75 Resource and Borehole Data: Magnesian Limestone No Borehole data available

Location, Description and Size: 345 Ha
This assessment area is located to the east of Hooton Pagnell. The landscape consists of long linear fields of intensive arable farmland, bounded by absent or fragmented hedgerows in the southern area and larger open fields to the north near the A638.

BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

No major infrastructure / development proposals. Adjacent to the A638

There are however, three Local Wildlife Sites Hampole Wood (ID 6.12), Lound Hill Quarry (ID6.11) and Breadwalls Plantation (6.9)

unlikely - no representations received for mineral extraction
<table>
<thead>
<tr>
<th>Area No. 76</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
<th>No Borehole data available</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size: 363 Ha</strong></td>
<td>This assessment area is located to the south of the A638 and west of the A1M. The landscape consists of intensive arable farmland made up of very large fields bounded by absent field boundaries and fragmented hedgerows. Hampole Wood is also located in the centre of this area and a few small woodland blocks are evident in the south.</td>
<td></td>
</tr>
<tr>
<td>1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td>BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.</td>
<td></td>
</tr>
<tr>
<td>2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)</td>
<td>No major infrastructure / development representations. Adjacent the A638</td>
<td></td>
</tr>
<tr>
<td>3. Is there any evidence of recent / historic extraction in the area?</td>
<td>The BGS 'BritPit' and Historic Mineral Applications databases show no historic or current applications within this assessment area.</td>
<td></td>
</tr>
<tr>
<td>4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?</td>
<td>There are no overriding major environmental constraints identified within this assessment area. However, Hampole Wood (ID 6.12) is a Local Wildlife Site</td>
<td></td>
</tr>
<tr>
<td>5. Is the land likely to be available for the intended form of development within the relevant time period?</td>
<td>unlikely - no representations received for mineral extraction</td>
<td></td>
</tr>
<tr>
<td><strong>Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area No. 77</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
<th>No Borehole data available</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size: 83 Ha</strong></td>
<td>This small assessment area is located on the edge of the Magnesian limestone geological boundary at Owston Hall. The whole area is part of Owston Hall Hotel and golf course.</td>
<td></td>
</tr>
<tr>
<td>1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)</td>
<td>BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.</td>
<td></td>
</tr>
<tr>
<td>2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Golf course

3. Is there any evidence of recent / historic extraction in the area?

*The BGS ‘BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area.*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?)

*There are no overriding major environmental constraints identified within this assessment area.*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*No*

**Proceed to Stage Two Evaluation: No**

<table>
<thead>
<tr>
<th>Area No. 78</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong> 207 Ha</td>
<td>No Borehole data available</td>
</tr>
<tr>
<td>This assessment area is located to the west of the A1M near Burghwallis. The area is intensive arable farmland, with linear woodlands and small woodland copses.</td>
<td></td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

*No major infrastructure / development proposals. Access to A1 via Woodfield Road / New Close Lane.*

3. Is there any evidence of recent / historic extraction in the area?

*The BGS ‘BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area.*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?)

*There are no overriding major environmental constraints identified within this assessment area. Local Wildlife Sites within this area include Scorcher Hills Wood (ID 7.2) and Skell Woods (ID 7.3)*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*unlikely - no representations received for mineral extraction*

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**
Area No. 79

Resource and Borehole Data: Magnesian Limestone
No Borehole data available

**Location, Description and Size: 317 Ha**
This assessment area is located to the south of Campsall, off Sutton Road. The area is predominantly intensive arable farmland, but mineral extraction has historically taken place in this area, with restoration by landfill back to agricultural use.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

   Development representations received from Darrington for housing and mixed use. To be assessed

3. Is there any evidence of recent / historic extraction in the area?

   The BGS 'BritPit' and Historic Mineral Applications databases show extraction at Sutton field Quarry. The BGS Historic Mineral Application database identifies permission granted for surface mineral working in this area.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

   There are no overriding major environmental constraints identified within this assessment area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

   no representations received for mineral extraction

**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**

Area No. 80

Resource and Borehole Data: Magnesian Limestone
No Borehole data available

**Location, Description and Size: 78 Ha**
This relatively small assessment area is located between Norton and Campsall. The area consists of regularly shaped intensive arable fields bounded by hedgerows and minor roads.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

   The nature of the road infrastructure may also limit mineral development. Development proposals received are being assessed

3. Is there any evidence of recent / historic extraction in the area?
The BGS 'BritPit' and Historic Mineral Applications databases show no historic or current applications within this assessment area. An old brick pit (now part of Campsall Country Park) is located approximately 800m south of the assessment area.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

<table>
<thead>
<tr>
<th>Area No. 81</th>
<th>Resource and Borehole Data: Magnesian Limestone and Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location, Description and Size: 206 Ha</td>
<td>This assessment area is between the river Went and Norton and consists of intensive agricultural farmland bounded by fragmented and absent hedgerows. There is also a waste water treatment works within the centre of this area.</td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone in all of this area. It also identifies three small patches of glaciofluvial deposits in the eastern part of the assessment area. The limestone deposits may contribute toward the maintenance of the landbank of permitted reserves, however the sand and gravel deposits are minimal.

2. Are there any major infrastructure / development issues to be delivered during the 'Plan Period' rendering mineral development undeliverable? (e.g. accessibility limitations)

Accessibility limitations through Norton village

3. Is there any evidence of recent / historic extraction in the area?

The BGS 'BritPit' and Historic Mineral Applications databases show no historic or current applications within this assessment area.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area. There are two Local Wildlife Sites Bradley’s Well (ID 7.9) and Norton Priory Mill Stream and Fields (ID 7.6) within this assessment area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: No
Area No. 82

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Magnesian Limestone and Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
</table>

**Location, Description and Size:** 128 Ha

This small assessment area is located to the west of the A1M by Barnsdale Barr. It consists of large area of intensive agricultural farmland bounded by fragmented and absent hedgerows. There is also a farmstead with woodland copse within the centre of this area, and a few dwellings along New Close Lane.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone in all of this area. It also identifies a small patch of glaciofluvial deposits in the eastern part of the assessment area. The limestone deposits may contribute toward the maintenance of the landbank of permitted reserves; however the sand and gravel deposits are minimal.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   There are no housing or employment representations within this area and the site is ideally suited to link with the A1M at the Barnsdale Bar Junction.

3. Is there any evidence of recent / historic extraction in the area?

   There is evidence of historic mineral working within the south western corner. Park Nook quarry No.2 dates from 1939 to 1946. Barnsdale Bar Quarry (Active) is also located immediately to the north.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?)

   There are no overriding major environmental constraints identified within this assessment area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

   No representations received for mineral extraction

Proceed to Stage Two Evaluation: No

Area No. 83

<table>
<thead>
<tr>
<th>Resource and Borehole Data: Magnesian Limestone and Sand and Gravel (No Borehole Data)</th>
</tr>
</thead>
</table>

**Location, Description and Size:** 248 Ha

This assessment area is located off the A1M on the edge of the borough boundary, south of Kirk Smeaton. The area consists of regularly shaped fields of intensive arable farmland bounded by intact, fragmented and missing hedgerows. A large woodland (Old Whin Fox covert) and a number of small woodland copses are also evident. There are also a number of minor roads within this assessment area, which also includes a number of farmsteads / dwellings.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone in all of this area. It also identifies a few small patches of glaciofluvial deposits in the eastern part of the assessment area. The limestone deposits may contribute toward the maintenance of the landbank of permitted reserves, however the sand and gravel deposits appear minimal.
2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No major infrastructure / development proposals. good infrastructure links onto A1

3. Is there any evidence of recent / historic extraction in the area?

There is no evidence of mineral extraction within this assessment area, However Barnsdale Bar quarry is immediately adjacent.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area.

5. Is the land likely to be available for the intended form of development within the relevant time period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

Area No. 84

Resource and Borehole Data: Magnesian Limestone and Sand and Gravel (No Borehole Data)

Location, Description and Size: 266 Ha
This assessment area is located immediately to the west of Norton and Campsall close to the A1M Barnsdale Bar junction. The landscape consists of intensive arable farmland fields with few field boundaries. There are also a number of small woodland copses and a large wood (Barnsdale Bar).

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone in all of this area. It also identifies a few small patches of glaciofluvial deposits in the northern part of the assessment area. The limestone deposits may contribute toward the maintenance of the landbank of permitted reserves, however the sand and gravel deposits are minimal.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No major infrastructure / development proposals. good infrastructure links onto A1

3. Is there any evidence of recent / historic extraction in the area?

There is no evidence of mineral extraction within this assessment area, However Barnsdale Bar quarry is nearby.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area. Barnsdale Wood (ID 7.1) is a Local Wildlife Site.

5. Is the land likely to be available for the intended form of development within the relevant time period?
period?

no representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

Area No. 85

Resource and Borehole Data: Magnesian Limestone and Sand and Gravel (No Borehole Data)

Location, Description and Size: 262 Ha
This assessment area is located at Skelbrooke between the A1M and the A638. The landscape consists of massive intensive agricultural fields with fragmented or absent hedgerows. A number of dwellings / farmsteads are dotted along Sleep Hill Lane and a waste water treatment works is located near Wrangbrook House.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone in all of this area. It also identifies a small patch of glaciofluvial deposits near Low Hollins Wood. The limestone deposits may contribute toward the maintenance of the landbank of permitted reserves, however the sand and gravel deposits are minimal.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

A representation has been made to extend Hazel Lane Quarry. No other major infrastructure / development proposals. Potential for good infrastructure links onto A1 at Barnsdale Bar

3. Is there any evidence of recent / historic extraction in the area?

There is no evidence of mineral extraction within this assessment area, however Hazel Lane Quarry (active) and Skelbrooke Quarry (restored) are immediately adjacent the assessment boundary.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area. Low Hollins Wood (ID 6.16) is a Local Wildlife Site.

5. Is the land likely to be available for the intended form of development within the relevant time period?

A representation has been made to extend Hazel Lane Quarry. The representation falls within this assessment area.

Proceed to Stage Two Evaluation: Yes

Area No. 86

Resource and Borehole Data: Magnesian Limestone

Location, Description and Size: 153 Ha
This assessment area is located south of Skelbrooke to the west of the A1M. The area consists of intensive arable agricultural fields, with no hedgerows, a small linear woodland copse and larger woodland copse at Skelbrooke, and a restored quarry and a cricket pitch.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank...
of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

No other major infrastructure / development proposals. Potential for good infrastructure links onto A1

3. Is there any evidence of recent / historic extraction in the area?

BGS Brit Pit and Historic Mineral Planning Permissions databases identifies Skelbrooke quarry (Grid ref. SE 513 113) is a large restored quarry in this assessment area. There is also a small area showing consent for surface mineral working to the north of Skelbrooke dating to 1948.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

There are no overriding major environmental constraints identified within this assessment area. Skelbrooke Park (ID 6.17) is a Local Wildlife Site, consisting of two distinct areas.

5. Is the land likely to be available for the intended form of development within the relevant time period?

No representations received for mineral extraction

Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)

Area No. 87

Resource and Borehole Data: Sand and Gravel

<table>
<thead>
<tr>
<th>Borehole</th>
<th>Overburden</th>
<th>Mineral</th>
<th>Waste</th>
<th>Bedrock</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 60 SW 43</td>
<td>0.0</td>
<td>1.8</td>
<td>6.0</td>
<td>0.1</td>
</tr>
<tr>
<td>SE 60 SW 47</td>
<td>0.0</td>
<td>2.1</td>
<td>5</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Location, Description and Size:

Located east of the town centre, this large area is one of Doncaster’s important green wedges. The area contains a nationally important race course, Sandall Beat Wood (SSSI) and Cantley Park.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

BGS Mineral Resource data identifies river terrace deposits and concealed river terrace deposits in this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

Current land use - Racecourse, Cantley Park (open space), Sandall Beat Wood SSSI

3. Is there any evidence of recent / historic extraction in the area?

BGS Brit Pit and Historic Mineral Planning Permissions databases shows no evidence of historic extraction.
4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

No overriding major environmental constraints, however the area will not become available for mineral extraction due to current land use.

5. Is the land likely to be available for the intended form of development within the relevant time period?

No

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 88</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td>This assessment area is located to the south of the M18 and contains a very large active quarry, plus some areas of intensive arable farmland</td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

*There are no housing or employment representations within this area*

3. Is there any evidence of recent / historic extraction in the area?

*Yes very large extraction area. Holme Hall quarry and Glen Quarry at Stainton.*

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

*No overriding major environmental constraints*

5. Is the land likely to be available for the intended form of development within the relevant time period?

*representation for mineral development within this area*

Proceed to Stage Two Evaluation: Yes

<table>
<thead>
<tr>
<th>Area No. 89</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edlington Wood</td>
<td></td>
</tr>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td>This assessment area is located north of the M18 and is Edlington Wood SSSI</td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

*BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.*
| Area No. 90 | Resource and Borehole Data: Magnesian Limestone  
No Borehole Data |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location, Description and Size:</strong></td>
<td>This assessment area is located north of the river Don and west of the A1M. Cadeby Quarry can be found within this area. The area adjacent the quarry is Pot Ridings Wood and Sprotbrough Gorge SSSI.</td>
</tr>
</tbody>
</table>

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)  
**BGS Mineral Resource data identifies Magnesian Limestone in all of this area. These deposits may contribute toward the maintenance of the landbank of permitted reserves. The BGS also identify this area as nationally and regionally important for industrial limestone.**

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)  
**No housing or employment representations received within this area.**

3. Is there any evidence of recent / historic extraction in the area?  
Yes - Cadeby quarry, plus pre-planning historic extraction dating back hundreds of years.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?  
*No SPA / SACs within the area however, the Sprotborough Gorge is a SSSI and there are also numerous local wildlife sites.*

5. Is the land likely to be available for the intended form of development within the relevant time period?  
**Proceed to Stage Two Evaluation: No (Sufficient Land Bank of Permissions)**
No additional representations for mineral working. Cadeby quarry is operational for dimension / building stone.

Proceed to Stage Two Evaluation: No

<table>
<thead>
<tr>
<th>Area No. 91</th>
<th>Resource and Borehole Data: Magnesian Limestone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Borehole Data</td>
</tr>
</tbody>
</table>

**Location, Description and Size:**

This assessment area is located north of the river Don and east of the A1M. The area is intensive arable farmland, with grazing and woodland along the river’s edge.

1. Does the area contain a viable resource? (Will it contribute toward maintaining the landbank of permitted reserves as defined in Local Plan)

   BGS Mineral Resource data identifies Magnesian Limestone and two small pocket of river terrace deposits in the area. These deposits may contribute toward the maintenance of the landbank of permitted reserves.

2. Are there any major infrastructure / development issues to be delivered during the ‘Plan Period’ rendering mineral development undeliverable? (e.g. accessibility limitations)

   Although adjacent the A1 there are access limitations. No employment representations received and one housing representations received - to be assessed.

3. Is there any evidence of recent / historic extraction in the area?

   The BGS ’BritPit’ and Historic Mineral Applications databases show no historic or current applications within this assessment area. However aerial photography shows areas of pre-planning historic extraction.

4. Are there any overriding major environmental constraints (for example SPA / SAC, functional flood plain (non-sand and gravel sites), EA flood alleviation scheme, such that the development is unlikely to be deliverable?

   In flood zone 3, area also contains a number of local wildlife sites

5. Is the land likely to be available for the intended form of development within the relevant time period?

   unlikely - no representations received for mineral extraction

Proceed to Stage Two Evaluation: No
### Summary of Areas for Stage Two Screening:

<table>
<thead>
<tr>
<th>ID</th>
<th>Area (Ha)</th>
<th>Mineral Type</th>
<th>Stage 2 Evaluation</th>
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<tbody>
<tr>
<td>3</td>
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<td>337.02</td>
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<td>44</td>
<td>100.92</td>
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<td>46</td>
<td>197.22</td>
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<td>462.18</td>
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<tr>
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<td>565.1</td>
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