Local Mineral Area A is bordered on three sides by EA main rivers. To the west flows the River Leach in a south easterly direction, and to the east flows Broadwell Brook also flowing in a south easterly direction. Langford Brook flows south east through the centre of the area. These watercourses are all tributaries to the River Thames which flows along the southern boundary in an easterly direction.

A large proportion of Kelmscott is located within the River Thames floodplain. The Thames is the main source of flooding in the area. WODC have record of 37 properties claiming flood grant aid from the parishes which are included within strategic area A (Langford = 12, Little Farringdon = 1, Kelmscott = 13, Grafton and Radcot = 11).

Thames Water have record of sewer flooding incidents within the last ten years within the area.

1. All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2. With an allowance for climate change.
Local Mineral Area B

<table>
<thead>
<tr>
<th>Parish Site Number</th>
<th>Site Area (ha)</th>
<th>Flood Zone Areas (ha)</th>
<th>Flood Zone</th>
<th>Main River</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clanfield, Black Bourton, Bampton, SG58 Clanfield</td>
<td>325.6</td>
<td>1,2,3</td>
<td>SG58 Clanfield</td>
<td></td>
</tr>
<tr>
<td></td>
<td>240.8</td>
<td>1,3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>74.4</td>
<td>123.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.0</td>
<td>0.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.4</td>
<td>27.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To the west of Local Mineral Area B flows Broadwell Brook in a south easterly direction. Langford Ditch, a tributary to Broadwell Brook, flows through the west of the area with their confluence along the western site boundary.

Towards the east of Local Mineral Area B flows Highmoor Brook and through the centre flows Shill Brook, both in a south easterly direction towards the River Thames which flows eastwards along the southern boundary.

Flood Record Information Data

The Thames is the main source of flooding in the area. WODC have record of 277 properties claiming flood grant aid from the parishes which are included within strategic area B (Broadwell = 9, Alvescot = 28, Clanfield = 60, Bampton = 157, Black Bourton = 12, Grafton and Radcot = 11).

Thames Water have record of sewer flooding incidents within the last ten years within the area.

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.

2 With an allowance for climate change.

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Local Mineral Area C

<table>
<thead>
<tr>
<th>Parish</th>
<th>Aston, Cote, Shifford, Chimney, Bampton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>SG 55 a/b</td>
</tr>
<tr>
<td>Site Area (ha)</td>
<td>1343.9</td>
</tr>
<tr>
<td>Flood Zone</td>
<td>1,2,3</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Flood Zone</th>
<th>Areas</th>
<th>(ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3b</td>
<td></td>
<td>908.7</td>
</tr>
<tr>
<td>3a</td>
<td></td>
<td>0.0</td>
</tr>
<tr>
<td>3cc</td>
<td>2</td>
<td>234.3</td>
</tr>
</tbody>
</table>


Main River

There are a number of watercourses in Local Mineral Area C, all of which are tributaries to the River Thames which flows in an easterly direction along the southern boundary. Elm Bank Ditch flows south eastwards near to the eastern boundary. Other watercourses passing through the area include Great Brook, Cote Ditch, Shill Brook and Radcot Cut.

Flood Record Information Data

WODC have record of 197 properties claiming flood grant aid following the July 2007 flood event in the parishes across area C (Bampton = 157, Aston Cote and chimney = 24, Curbridge and Lew = 16). A large proportion of the site is within Flood Zones 2 and 3. Thames Water have records of flooding over the last 10 years within the area.

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for with an allowance for climate change.

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Local Mineral Area D

Site Number
Numerous – See insets D1 – D4 below

Flood Zone
1,2,3

Main River
Local Mineral Area D includes a number of watercourses, the main ones being the River Windrush which runs south eastwards through the centre, Elm Bank Ditch which flows south eastwards along the western boundary and the River Thames which flows along the southern boundary. A large proportion of the area is situated within Flood Zones 2 and 3.

Flood Record Information Data
WDTC have record of 375 properties claiming flood grant from the parishes covering Site D, following the July 2007 flood event. These include Standlake = 36, Northmoor = 57, Stanton Harcourt = 4, Ducklington = 4, South Leigh = 2, Witney = 233, Curbridge and Lew = 16.

Thames Water have records of flooding over the last 10 years within the area.

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for climate change.

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Local Mineral Area D

Potential Mineral Sites - Inset D1

Preliminary Assessment

<table>
<thead>
<tr>
<th>Parish</th>
<th>Ducklington</th>
<th>South Leigh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>SG 23</td>
<td>SG 22</td>
</tr>
<tr>
<td>Site Area (ha)</td>
<td>25.2</td>
<td>14.6</td>
</tr>
<tr>
<td>Flood Zone</td>
<td>3b</td>
<td>1</td>
</tr>
<tr>
<td>Flood Zone Areas (ha)</td>
<td>17.8</td>
<td>2.4</td>
</tr>
<tr>
<td>Main River</td>
<td>The River Windrush flows adjacent to the sites in a south easterly direction.</td>
<td>The River Windrush flows adjacent to the sites in a south easterly direction.</td>
</tr>
<tr>
<td>Flood Record Information Data</td>
<td>WODC have records of 4 properties claiming flood grant aid following the July 2007 flood event. Some of the flooding was caused by the River Windrush. Thames Water have records of sewer flooding across Ducklington.</td>
<td>WODC have records of 3 properties claiming flood grant aid following the July 2007 flood event.</td>
</tr>
</tbody>
</table>

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for climate change.
**Local Mineral Area D**

**Potential Mineral Sites - Inset D2**

### Preliminary Assessment

<table>
<thead>
<tr>
<th>Parish</th>
<th>Stanton Harcourt and South Leigh</th>
<th>Stanton Harcourt</th>
<th>Harwick and Yelford</th>
<th>Harwick and Yelford and Standlake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>Vicarage Pit</td>
<td>Guy Lakes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site Area (ha)</td>
<td>52.3</td>
<td>13.3</td>
<td>23.6</td>
<td>9.2</td>
</tr>
<tr>
<td>Flood Zone</td>
<td>3b</td>
<td>1.3</td>
<td>1.3</td>
<td>1.3</td>
</tr>
<tr>
<td>Flood Areas (ha)</td>
<td>4.9</td>
<td>0.4</td>
<td>0.2</td>
<td>1.6</td>
</tr>
<tr>
<td>Main River</td>
<td>The River Windrush flows adjacent to the sites in a south easterly direction.</td>
<td></td>
<td>The River Windrush flows in a south easterly direction, approximately 300m north east of the site.</td>
<td>The River Windrush flows in a south easterly direction, approximately 650m north east of the site.</td>
</tr>
<tr>
<td>Flood Record Information</td>
<td>WODC have record of two properties claiming flood grant aid following the July 2007 event in South Leigh.</td>
<td>WODC have record of 23 properties claiming flood grant aid following the July 2007 flood event.</td>
<td>None of these properties are located close to the sites.</td>
<td>Thames Water have records of sewer flooding across the parish within the last ten years.</td>
</tr>
</tbody>
</table>

1. All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2. With an allowance for climate change.

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### Potential Mineral Sites - Inset D3

#### Preliminary Assessment

<table>
<thead>
<tr>
<th>Parish</th>
<th>Standlake SG 39 Brighthampton</th>
<th>Standlake SG 30 Brighthampton</th>
<th>Standlake SG 32 Brighthampton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>Site Area (ha)</td>
<td>Flood Zone</td>
<td>Site Area (ha)</td>
</tr>
<tr>
<td>Standlake</td>
<td>158.9</td>
<td>1,3</td>
<td></td>
</tr>
<tr>
<td>Brighthampton Cut</td>
<td></td>
<td>83.4</td>
<td>3b</td>
</tr>
<tr>
<td>Brighthampton</td>
<td></td>
<td>0.0</td>
<td>3a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.7</td>
<td>3cc</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.0</td>
<td>2</td>
</tr>
</tbody>
</table>

- **Flood Zone Information Data**
  - WODC have record of 36 properties claiming flood grant aid following the July 2007 flood event. A large number of these properties were located in Flood Zone 2.
  - Thames Water have records properties experiencing flooding from sewers in the Standlake area in the last 10 years.

- **Main River**
  - Brighthampton Cut flows south eastwards through the west of the site. Approximately 2km to the east of the site, the River Windrush flows in a south easterly direction on towards its confluence with the River Thames which flows in an easterly direction approximately 2km to the south of the site.

- **Flood Zone 3b**
  - Brighthampton Cut flows south eastwards to the south west of the sites. Approximately 2km to the east of the site, the River Windrush flows in a south easterly direction on towards its confluence with the River Thames which flows in an easterly direction approximately 2km to the south of the site.

- **Flood Zone 3a**
  - With an allowance for climate change.

| All areas outside of the Flood Zones listed as classed as Flood Zone 1. |
| With an allowance for climate change. |

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Oxfordshire County Council: Level 1 SFRA

Local Mineral Area D

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Area (ha)</th>
<th>Flood Zone</th>
<th>Flood Main River</th>
<th>Flood Record Information Data</th>
</tr>
</thead>
</table>
| SG18 Standlake | 13.6 | 1,2,3 | The site is located adjacent to the River Windrush which flows in a southerly direction along the eastern boundary of the site. The River Thames flows eastwards to the south of the site. | Following the July 2007 flood event, WODC have record of 57 properties that claimed flood grant aid in Northmoor and 36 in Standlake. A large proportion of Northmoor and Standlake are located within the River Thames flood plain. The Thames is the main source of flooding in the area with the sites being located very close to the River Thames.

SG 14 Northmoor | 57.5 | 1,2,3 | The River Windrush flows in a southerly direction as multiple channels through the centre of the site. The River Thames flows eastwards to the south of the site. | Thames Water have records of sewer flooding within Northmoor and Standlake in the last ten years. |

SG 50 Northmoor | 379.3 | 1,2,3 | The River Windrush flows in a south easterly direction as multiple channels through the centre of the site. The River Thames flows in a north easterly direction along the southern and eastern boundaries of the site. | |

**Appendix D**

<table>
<thead>
<tr>
<th>Parish</th>
<th>Standlake and Northmoor</th>
<th>Northmoor</th>
<th>Northmoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>Site Area (ha)</td>
<td>Flood Zone</td>
<td>Flood Main River</td>
</tr>
</tbody>
</table>
| SG18 Standlake | 13.6 | 1,2,3 | The site is located adjacent to the River Windrush which flows in a southerly direction along the eastern boundary of the site. The River Thames flows eastwards to the south of the site. | Following the July 2007 flood event, WODC have record of 57 properties that claimed flood grant aid in Northmoor and 36 in Standlake. A large proportion of Northmoor and Standlake are located within the River Thames flood plain. The Thames is the main source of flooding in the area with the sites being located very close to the River Thames.

SG 14 Northmoor | 57.5 | 1,2,3 | The River Windrush flows in a southerly direction as multiple channels through the centre of the site. The River Thames flows eastwards to the south of the site. | Thames Water have records of sewer flooding within Northmoor and Standlake in the last ten years. |

SG 50 Northmoor | 379.3 | 1,2,3 | The River Windrush flows in a south easterly direction as multiple channels through the centre of the site. The River Thames flows in a north easterly direction along the southern and eastern boundaries of the site. | |

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.  
2 With an allowance for climate change.
Local Mineral Area E

Potential Mineral Sites

Parish

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Stanton Harcourt &amp; South Leigh</th>
<th>Stanton Harcourt &amp; Eynsham</th>
<th>Stanton Harcourt</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG36</td>
<td>359.2</td>
<td>367.0</td>
<td>184.8</td>
</tr>
<tr>
<td>SG29</td>
<td>1.3</td>
<td>1.23</td>
<td>1.23</td>
</tr>
<tr>
<td>SG31</td>
<td>9.7</td>
<td>298.8</td>
<td>180.2</td>
</tr>
</tbody>
</table>

Flood Zone

<table>
<thead>
<tr>
<th>Flood Zone</th>
<th>3b</th>
<th>3a</th>
<th>3cc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Area (ha)</td>
<td>359.2</td>
<td>1.3</td>
<td>9.7</td>
</tr>
<tr>
<td></td>
<td>367.0</td>
<td>1.23</td>
<td>298.8</td>
</tr>
<tr>
<td></td>
<td>184.8</td>
<td>1.23</td>
<td>180.2</td>
</tr>
</tbody>
</table>

Flood Zone Areas (ha)

<table>
<thead>
<tr>
<th>Flood Zone</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Area (ha)</td>
<td>359.2</td>
<td>0.0</td>
</tr>
<tr>
<td></td>
<td>367.0</td>
<td>0.0</td>
</tr>
<tr>
<td></td>
<td>184.8</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Main River

- Limb Brook flows adjacent to the northern boundary and through the site.
- The River Thames flows north eastwards approximately 2km to the east of the site.
- Harcourt Brook, Swinford Marsh Ditches and North Moor New Cut flow through the site.
- The River Thames flows north eastwards adjacent the eastern boundary of the site.
- Chil Brook flows eastwards along the northern boundary.
- The River Thames borders the eastern boundary of the site.

Flood Record Information Data

- WOCC have record of 12 properties claiming flood grant aid following the July 2007 flood event. The River Thames is the main source of flooding in the area with the sites being located in close proximity.
- Thames Water have no record of any flooding incidents within the area.

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for climate change.

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Local Mineral Area F

Preliminary Assessment

<table>
<thead>
<tr>
<th>Parish</th>
<th>Hanborough, Eynsham, Cassington, Yarnton, Gosford &amp; Water Eaton</th>
<th>Numerous – See insets F1 – F2 below</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flood Zone</td>
<td>1,2,3</td>
<td></td>
</tr>
</tbody>
</table>

Main River

Local Mineral Area F includes a number of watercourses, the main ones being the River Thames which runs along the southern District boundary, the River Evenlode which flows southwards through the western region of the area, Rowell Brook which flows south through the eastern area and many smaller watercourses including North Yarnton Ditches, West Mead Ditch, Cassington Stream and Kingsbridge Brook.

A large proportion of the area is situated within Flood Zones 2 and 3 of the River Thames.

Flood Record Information Data

From the July 2007 flood event, WODC have recorded 12 flooding instances in Eynsham Parish, and less than 10 in Hanborough and Cassington.

No historical flooding records have been reported in the CDC portion of the site.

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for climate change.

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Oxfordshire County Council: Level 1 SFRA

Local Mineral Area F

Potential Mineral Sites - Inset F1

Preliminary Assessment

<table>
<thead>
<tr>
<th>Parish</th>
<th>Cassington, Eynsham &amp; Hanborough</th>
<th>Cassington &amp; Eynsham</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>SG-08</td>
<td>SG-20</td>
</tr>
<tr>
<td>Site Area (ha)</td>
<td>216.6</td>
<td>169.1</td>
</tr>
<tr>
<td>Flood Zone</td>
<td>3b</td>
<td>1.3</td>
</tr>
<tr>
<td>Flood Zone Areas (ha)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone</td>
<td>3a</td>
<td>3b</td>
</tr>
<tr>
<td></td>
<td>0.5</td>
<td>1.3</td>
</tr>
<tr>
<td></td>
<td>3Cc</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>0.0</td>
</tr>
<tr>
<td>Main River</td>
<td>The River Evenlode flows in a southerly direction along the eastern boundary of the site and is the principal source of flood risk. Eynsham Mead Ditch, Cassington Stream and Wharf Stream also affect the southern parts of the site.</td>
<td>The River Evenlode flows in a southerly direction along the eastern boundary of the site and, with the River Thames to the south forms the principal source of flood risk.</td>
</tr>
<tr>
<td>Flood Record Information Data</td>
<td>WODC have recorded 12 instances of flooding in Eynsham and up to 10 in Hanborough and Cassington following the July 2007 Floods. Thames Water hold no records of sewer flooding in this area.</td>
<td></td>
</tr>
</tbody>
</table>

Note: Site SG-51 is located within the southern segment of site SG-08. However, only the outline for SG-08 is shown on the map because this refers to a specific operator nomination, whereas SG-51 was a result of officer work.

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for climate change.

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Local Mineral Area F

Potential Mineral Sites - Inset F2

<table>
<thead>
<tr>
<th>Parish</th>
<th>Yarnton, Gosford &amp; Water Eaton</th>
<th>Yarnton</th>
<th>Yarnton, Gosford &amp; Water Eaton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Number</td>
<td>SG-16</td>
<td>SG-04</td>
<td>SG-05</td>
</tr>
<tr>
<td>Site Area (ha)</td>
<td>31.9</td>
<td>7.0</td>
<td>9.3</td>
</tr>
<tr>
<td>Flood Zone</td>
<td>1,2,3</td>
<td>1,2,3</td>
<td>1,2,3</td>
</tr>
<tr>
<td>Flood Zone Areas (ha)</td>
<td>17.5</td>
<td>0.2</td>
<td>9.3</td>
</tr>
<tr>
<td>3b</td>
<td>0.1</td>
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<td>0.1</td>
</tr>
<tr>
<td>3a</td>
<td>0.1</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>3cc</td>
<td>11.7</td>
<td>5.1</td>
<td>0.0</td>
</tr>
<tr>
<td>2</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Main River</td>
<td>North Yarnton Ditches, West Mead Ditch, Kingsbridge Brook and Rowell Brook all flow through the site. The River Thames flows eastwards to the south of the site.</td>
<td>Rowell Brook, North Yarnton Ditches, and West Mead Ditch directly affect the site. The River Thames flows eastwards to the south of the site.</td>
<td>Rowell Brook to the north, Kingsbridge Brook and West Mead Ditch in the west directly affect the site. The River Thames flows eastwards to the south of the site.</td>
</tr>
<tr>
<td>Flood Record Information Data</td>
<td>Villages in the vicinity reported suffering flooding during July 2007. Thames Water have no record of any flooding incidents within the area.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 All areas outside of the Flood Zones listed as classed as Flood Zone 1.
2 With an allowance for climate change.

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