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Figure 33
Flood Zones in Billingborough and Horbling

Key:
- Potential Development Site Boundary
- South Kesteven District Boundary
- National Flood Zone 3 (August 2010)
- National Flood Zone 2 (August 2010)
- Functional Floodplain
- Please see Table 2.2 in Level 2 Report
- Main river
- Linear flood defences
- Flood defence structures

South Kesteven District Council
Strategic Flood Risk Assessment
Historic Fluvial Flooding in Billingborough and Horbling

Key:
- Potential Development Site Boundary
- Parish boundary
- South Kesteven district boundary
- Main river
- Historic fluvial flood extent

Historic Flood Events:
- Source = Fluvial
- Source = Groundwater
- Source = Infrastructure
- Source = Surcharge
- Source = Surface

Notes:
For information on historic flooding please refer to Section 2.3 of Level 2 Report
Figure 35
SuDS Potential in Billingborough and Horbling

Key:
- Potential Development Site Boundary
- South Kesteven District Boundary
- Infiltration Potential for SuDS
  - High
  - Medium
  - Low

Source Protection Zones
- Zone I
- Zone II
- Zone III

Note:
Please see Section 10.2.2 of the Level 2 SFRA Report

Source:
South Kesteven District Council
Strategic Flood Risk Assessment
Figure 36
Potential Surface Flooding in Billingborough and Horbling

Key:

- Potential Development Site boundary
- South Kesteven district boundary

Susceptibility to Surface Water Flooding

- Low
- Intermediate
- High

Source = Environment Agency August 2010 Areas Susceptible to Surface Water Flooding
Figure 37
Fluvial Flood Risk at Potential Allocation Sites in Billingborough and Horbling

Key:
- Site boundary
- Parish boundary
- South Kesteven District Boundary
- Main river
- Flood Risk Prediction at Site Level
  - Flood Zone 3b
  - Flood Zone 3a
  - Flood Zone 2
  - Flood Zone 1

Notes:
See Section 2.5 of Level 2 SFRA Report for Assessment Method

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Figure 38
Flood Zones in Bourne, Thurlby and Northorpe, Morton and Hanthorpe

Key:
- Potential Development Site Boundary
- South Kesteven District Boundary
- National Flood Zone 3 (August 2010)
- National Flood Zone 2 (August 2010)
- Functional Floodplain
- Please see Table 2.2 in Level 2 Report
- Main river
- Linear flood defences
- Flood defence structures

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Historic Flooding in Bourne, Thurlby and Northorpe, Morton and Hanthorpe

Historic Flood Events:
- Source = Fluvial
- Source = Groundwater
- Source = Infrastructure
- Source = Surcharge
- Source = Surface

Notes:
For information on historic flooding please refer to Section 2.3 of Level 2 Report
Figure 40
SuDS Potential in Bourne, Thurlby and Northorpe, Morton and Hanthorpe
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South Kesteven District Council
Strategic Flood Risk Assessment

Figure 41
Potential Surface Flooding in Bourne, Thurlby and Northorpe, Morton and Hanthorpe

Key:
- Potential Development Site boundary
- South Kesteven district boundary

Susceptibility to Surface Water Flooding

- Low
- Intermediate
- High

Source = Environment Agency August 2010
Areas Susceptible to Surface Water Flooding

Project Path: G:/MODEL/PROJECTS/HM-255/23769 South Kesteven SFRA/Drawings/Level 2 MXDs/Figure 41 - Potential Surface Flooding in Bourne, Thurlby and Northorpe, Morton and Hanthorpe

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Figure 42
Fluvial Flood Risk at Potential Allocation Sites in Bourne, Thurlby and Northorpe, Morton and Hanthorpe

Notes:
See Section 2.5 of Level 2 SFRA Report for Assessment Method
Figure 43
Flood Zones in The Deepings
(Market Deeping), Langtoft and Baston

Key:
- Potential Development Site Boundary
- South Kesteven District Boundary
- National Flood Zone 3 (August 2010)
- National Flood Zone 2 (August 2010)
- Functional Floodplain
- Please see Table 2.2 in Level 2 Report
- Main river
- Linear flood defences
- Flood defence structures
Historic Fluvial Flooding in The Deepings (Market Deeping), Langtoft and Baston

Key:
- Potential Development Site Boundary
- Parish boundary
- South Kesteven district boundary
- Main river
- Historic fluvial flood extent

Historic Flood Events:
- Source = Fluvial
- Source = Groundwater
- Source = Infrastructure
- Source = Surcharge
- Source = Surface

Notes:
For information on historic flooding please refer to Section 2.3 of Level 2 Report
Figure 45
SuDS Potential in The Deepings (Market Deeping), Langtoft and Baston

Key:
- Potential Development Site Boundary
- South Kesteven District Boundary
- Infiltration Potential for SuDS
  - High
  - Medium
  - Low

Note:
Please see Section 10.2.2 of the Level 2 SFRA Report

Source Protection Zones
- Zone I
- Zone II
- Zone III

Source:
South Kesteven District Council
Strategic Flood Risk Assessment

Project Path: G:/MODEL/PROJECTS/HM-255/23769 South Kesteven SFRA/Drawings/Level 2 MXDs/Figure 45 - SuDS Potential in The Deepings (Market Deeping), Langtoft and Baston

September 2010

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Figure 46: Potential Surface Water Flooding in The Deepings (Market Deeping), Langtoft and Baston
Figure 47
Fluvial Flood Risk at Potential Allocation Sites in The Deepings (Market Deeping), Langtoft and Baston

Notes:
See Section 2.5 of Level 2 SFRA Report for Assessment Method
Figure 48
Flood Hazard Map for The Deepings (Market Deeping), Langtoft and Baston

Note:
Please refer to Section 2.4.2 of the Level 2 SFRA Report for details of the displayed data.

Key:
- Potential Development Site Boundary
- Parish boundary
- South Kesteven District Boundary
- Main river
- Predicted Maximum Flood Hazard 1% AP event plus Climate Change
  - < 0.75 Caution
  - 0.75 - 1.25 Dangerous for some
  - 1.25 to 2.5 Dangerous for most
  - > 2.0 Danger for all

Note:
Please refer to Section 2.4.2 of the Level 2 SFRA Report for details of the displayed data.

Project Path: G:\MODELP\PROJECTS\SRP-255378\South Kesteven SFRA\Drawings\Level 2 MXDs\Figure 46 - Flood Hazard Map for The Deepings (Market Deeping), Langtoft and Baston

South Kesteven District Council
Strategic Flood Risk Assessment

January 2011

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23769-xxx browj

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Figure 49
Flood Depth Map for The Deepings (Market Deeping), Langtoft and Baston

Key:
- Potential Development Site Boundary
- Parish boundary
- South Kesteven District Boundary
- Main river

Predicted Maximum Flood Depth (m)
1% AP event plus Climate Change

- 0 - 0.25
- 0.25 - 0.50
- 0.50 - 1
- 1.00 - 2.00
- >2.00

Note:
Please refer to Section 2.4.2 of the Level 2 SFRA Report for details of the displayed data
Figure 50

Breach Locations

<table>
<thead>
<tr>
<th>Breach</th>
<th>Area</th>
<th>Location</th>
<th>Defence Type</th>
<th>NCFDD ID</th>
<th>Breach Width (m)</th>
<th>POINT X</th>
<th>POINT Y</th>
<th>Elevation</th>
<th>Bank</th>
</tr>
</thead>
<tbody>
<tr>
<td>WE1</td>
<td>Stamford</td>
<td>South Road</td>
<td>Movable flood wall</td>
<td>82</td>
<td>20</td>
<td>503905</td>
<td>306005</td>
<td>22.10</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE2</td>
<td>Stamford</td>
<td>Wheat Road</td>
<td>Property alongside channel</td>
<td>80</td>
<td>20</td>
<td>503905</td>
<td>306005</td>
<td>21.46</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE3</td>
<td>Stamford</td>
<td>Water Street</td>
<td>Propriety river frontage</td>
<td>80</td>
<td>20</td>
<td>503120</td>
<td>306415</td>
<td>21.12</td>
<td>Right Bank</td>
</tr>
<tr>
<td>WE4</td>
<td>Stamford</td>
<td>Cherry Hill Road</td>
<td>Railroad earth embankment</td>
<td>260</td>
<td>40</td>
<td>506043</td>
<td>307980</td>
<td>14.30</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE5</td>
<td>The Deepings</td>
<td>Tallington Home Farm</td>
<td>Railroad earth embankment</td>
<td>245</td>
<td>40</td>
<td>509428</td>
<td>307131</td>
<td>14.20</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE6</td>
<td>The Deepings</td>
<td>Tallington Mill Lane</td>
<td>Railroad earth embankment</td>
<td>184</td>
<td>40</td>
<td>515655</td>
<td>307141</td>
<td>5.15</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE7</td>
<td>The Deepings</td>
<td>Maxey Cut Left Bank</td>
<td>Revealed defence</td>
<td>184</td>
<td>40</td>
<td>518581</td>
<td>307141</td>
<td>5.15</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE8</td>
<td>The Deepings</td>
<td>Tallington East Bank</td>
<td>Revealed defence</td>
<td>290</td>
<td>40</td>
<td>517900</td>
<td>306905</td>
<td>3.90</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE9</td>
<td>The Deepings</td>
<td>Rolley River Left Bank</td>
<td>Revealed defence</td>
<td>200</td>
<td>40</td>
<td>517900</td>
<td>306905</td>
<td>3.10</td>
<td>Right Bank</td>
</tr>
<tr>
<td>WE10</td>
<td>The Deepings</td>
<td>Rolley River Right Bank</td>
<td>Revealed defence</td>
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<td>40</td>
<td>517979</td>
<td>306915</td>
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<td>Right Bank</td>
</tr>
<tr>
<td>WE11</td>
<td>The Deepings</td>
<td>Deeping St James Olive Farm</td>
<td>Revealed defence</td>
<td>184</td>
<td>40</td>
<td>516043</td>
<td>309201</td>
<td>5.20</td>
<td>Left Bank</td>
</tr>
<tr>
<td>WE12</td>
<td>The Deepings</td>
<td>Deeping St James Back Lane</td>
<td>Revealed defence</td>
<td>184</td>
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<td>309201</td>
<td>5.20</td>
<td>Left Bank</td>
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<td>WE13</td>
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<td>WE14</td>
<td>The Deepings</td>
<td>Market Deeping</td>
<td>Revealed defence</td>
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<td>40</td>
<td>508971</td>
<td>311972</td>
<td>13.10</td>
<td>Right Bank</td>
</tr>
<tr>
<td>WE15</td>
<td>The Deepings</td>
<td>Grantham</td>
<td>Revealed defence</td>
<td>14</td>
<td>40</td>
<td>508561</td>
<td>311130</td>
<td>14.10</td>
<td>Left Bank</td>
</tr>
</tbody>
</table>

*Note:* Please refer to Section 2.4.2 of the Level 2 SFRA Report for details of the displayed data.