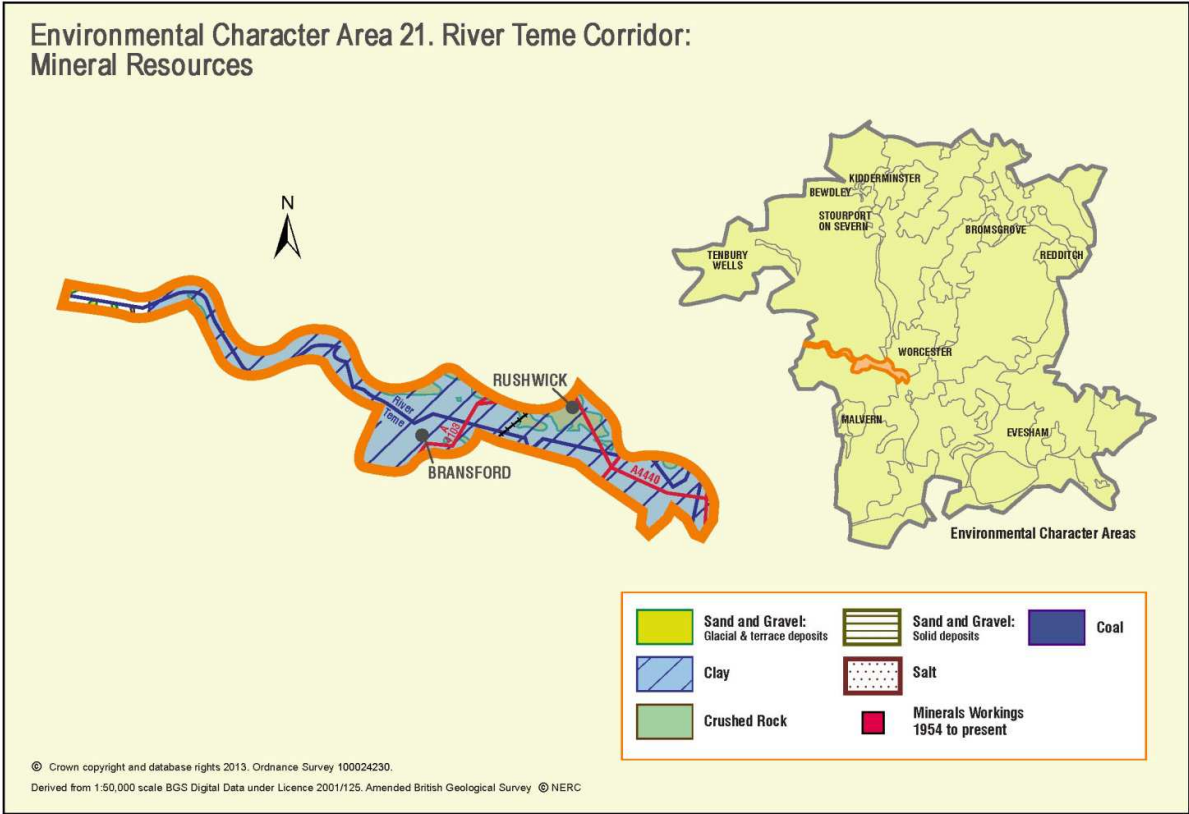


# Appendix 21: Analysis of aggregate resources in ECA 21: River Teme Corridor



## ECA Summary for the Fourth Stage consultation on MLP (Winter 2018):

Sand and gravel  
 There are six resource areas identified for sand and gravel in River Teme Corridor ECA:

- Significant: 2
- Compromised: 4

Crushed rock  
 There are no resource areas identified in River Teme ECA for crushed rock.

Non-aggregates  
 BGS data indicates that there are deposits of clay in this ECA.

## Overview of resource assessment for ECA 21

### Sand and gravel resource areas:

Resource number*	Second Stage Consultation		Third Stage Consultation		Fourth Stage Consultation		
	Original estimated resource tonnage (2 tonnes/m <sup>3</sup> )	Significance	Revised estimate of resource tonnage (1.65 tonnes/m <sup>3</sup> )	Significance	New resource number (where resource has been split)	Revised estimate of resource tonnage (1.65 tonnes/m <sup>3</sup> )	Result
21/1	750,000	Significant	618,750	Significant	21/1	618,750	Significant
					21/1b		Compromised
21/1 a	450,000	Compromised	371,250	Compromised	Not reassessed		
21/1 b	270,000	Compromised	222,750	Compromised			
21/2	930,000	Significant	767,250	Significant	21/2	766,177	Significant
					21/2b		Compromised

<b>Overview</b>		
<b>Resource number:</b>	21/1	
<b>Resource name:</b>	Rushwick	
<b>Resource area:</b>	30ha	
<b>Resource depth:</b>	Estimated 2.5m	
<b>Location</b>		
<b>OS sheet reference:</b>	SO 85 SW	
<b>National grid ref:</b>	382339, 253499	
<b>Resource description:</b>		
<b>Resource description:</b>	3 <sup>rd</sup> terrace (Holt Heath) sand and gravel. West of the Laughern Brook, the terraces thin to between 2m and 3m. The composition of the terrace varies, in many instances very rapidly, from sand to gravel. (Estimated resource depth based on median average of 2.5m)	
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>		
<b>Commentary:</b>	A small deposit with dispersed development. The deposit extends under the village of Rushwick. This is considered separately as resource areas 21/1a and 21/1b.	
<b>Crude estimate of resource:</b>	Area: 30 ha x average depth: 2.5 m / 2 Estimated resource volume: 375,000 m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 750,000 tonnes</b>	
<b>Conclusion:</b>	Significant. Consider in defining areas of search.	
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>		
<b>Revised estimate of resource:</b>	Area: 30 ha x average depth: 2.5 m / 2 Estimated resource volume: 375,000 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 618,750 tonnes</b>	
<b>Conclusion:</b>	Significant.	
<b>Assessment of resource for the Fourth Stage consultation on MLP (August 2018)</b>		
This resource area has been split into areas 21/1 and 21/1b.		
<b>Resource area 21/1</b>		<b>Resource area 21/1b</b>
<b>Resource area:</b>	30 ha	<b>Commentary:</b> Screened out due to the following appendix A criterion:

<b>Resource depth:</b>	Estimated 2.5m		- Settlement boundary
<b>Revised estimate of resource:</b>	Area: 30 ha x average depth: 2.5m ÷ 2 Estimated resource volume: 375,000m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 618,750 tonnes</b>		
<b>Conclusion:</b>	Significant resource	<b>Conclusion:</b>	Compromised

<b>Overview</b>	
<b>Resource number:</b>	21/1 a
<b>Resource name:</b>	Rushwick a)
<b>Resource area:</b>	18ha
<b>Resource depth:</b>	Estimated 2.5m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 85 SW
<b>National grid ref:</b>	382566, 253366
<b>Resource description:</b>	
<b>Resource description:</b>	3 <sup>rd</sup> terrace (Holt Heath) sand and gravel. West of the Laughern Brook, the terraces thin to between 2m and 3m. The composition of the terrace varies, in many instances very rapidly, from sand to gravel. (Estimated resource depth based on median average of 2.5m)
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small deposit compromised by the village of Rushwick. The deposit extends to the south-east (21/1) and north-west (21/1b), these resource areas are assessed separately.
<b>Crude estimate of resource:</b>	Area: 18 ha x average depth: 2.5 m / 2 Estimated resource volume: 225,000 m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 450,000 tonnes</b>
<b>Conclusion:</b>	Compromised by development.
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	Area: 18 ha x average depth: 2.5 m / 2 Estimated resource volume: 225,000 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 371,250 tonnes</b>
<b>Conclusion:</b>	Compromised by development.
<b>Assessment of resource for the Fourth Stage consultation on MLP (August 2018)</b>	
Not reassessed due to resource not being classified as Key or Significant in the Third Stage Consultation	

<b>Overview</b>		
<b>Resource number:</b>	21/1 b	
<b>Resource name:</b>	Rushwick b)	
<b>Resource area:</b>	11ha	
<b>Resource depth:</b>	Estimated 2.5m	
<b>Location</b>		
<b>OS sheet reference:</b>	SO 85 SW	
<b>National grid ref:</b>	382566, 253366	
<b>Resource description:</b>		
<b>Resource description:</b>	3 <sup>rd</sup> terrace (Holt Heath) sand and gravel. West of the Laughern Brook, the terraces thin to between 2m and 3m. The composition of the terrace varies, in many instances very rapidly, from sand to gravel. (Estimated resource depth based on median average of 2.5m)	
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>		
<b>Commentary:</b>	A small deposit compromised by the village of Rushwick. The deposit extends to the south under the village of Rushwick (resource area 21/1a) and to the south east of the village (resource area 21/1).	
<b>Crude estimate of resource:</b>	Area: 11 ha x average depth: 2.5 m / 2 Estimated resource volume: 137,500 m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 270,000 tonnes</b>	
<b>Conclusion:</b>	Compromised by development.	
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>		
<b>Revised estimate of resource:</b>	Area: 11 ha x average depth: 2.5 m / 2 Estimated resource volume: 137,500 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 222,750 tonnes</b>	
<b>Conclusion:</b>	Compromised by development.	
<b>Assessment of resource for the Fourth Stage consultation on MLP (August 2018)</b>		
Not reassessed due to resource not being classified as Key or Significant in the Third Stage Consultation		

Overview					
Resource number:	21/2				
Resource name:	Broadmore Green				
Resource area:	37 ha				
Resource depth:	Estimated 2.5m				
Location					
OS sheet reference:	SO 85 SW				
National grid ref:	380853, 253828				
Resource description:					
Resource description:	3 <sup>rd</sup> terrace (Holt Heath) sand and gravel. West of the Laughern Brook, the terraces thin to between 2m and 3m. The composition of the terrace varies, in many instances very rapidly, from sand to gravel. (Estimated resource depth based on median average of 2.5m)				
Assessment of resource for the second consultation on MLP (Autumn 2013)					
Commentary:	A small deposit with dispersed development and intersected by roads and a railway line.				
Crude estimate of resource:	Area: 37 ha x average depth: 2.5 m / 2 Estimated resource volume: 462,500 m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 930,000 tonnes</b>				
Conclusion:	Significant. Consider in defining areas of search.				
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)					
Revised estimate of resource:	Area: 37 ha x average depth: 2.5 m / 2 Estimated resource volume: 462,500 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 763,125 tonnes</b>				
Conclusion:	Significant.				
Assessment of resource for the Fourth Stage consultation on MLP (August 2018)					
This resource area has been split into areas 21/2 and 21/2b.					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Resource area 21/2</th> <th style="width: 50%; text-align: center;">Resource area 21/2b</th> </tr> </thead> <tbody> <tr> <td>Resource area: 37 ha</td> <td>Commentary: Screened out due to the following appendix A criterion:</td> </tr> </tbody> </table>		Resource area 21/2	Resource area 21/2b	Resource area: 37 ha	Commentary: Screened out due to the following appendix A criterion:
Resource area 21/2	Resource area 21/2b				
Resource area: 37 ha	Commentary: Screened out due to the following appendix A criterion:				

<b>Resource depth:</b>	Estimated 2.5m		<ul style="list-style-type: none"> <li>- Listed Buildings</li> <li>- Settlement boundary</li> </ul>
<b>Revised estimate of resource:</b>	Area: 37 ha x average depth: 2.5 m / 2 Estimated resource volume: 462,500 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 763,125 tonnes</b>		
<b>Conclusion:</b>	Key resource	<b>Conclusion:</b>	Compromised