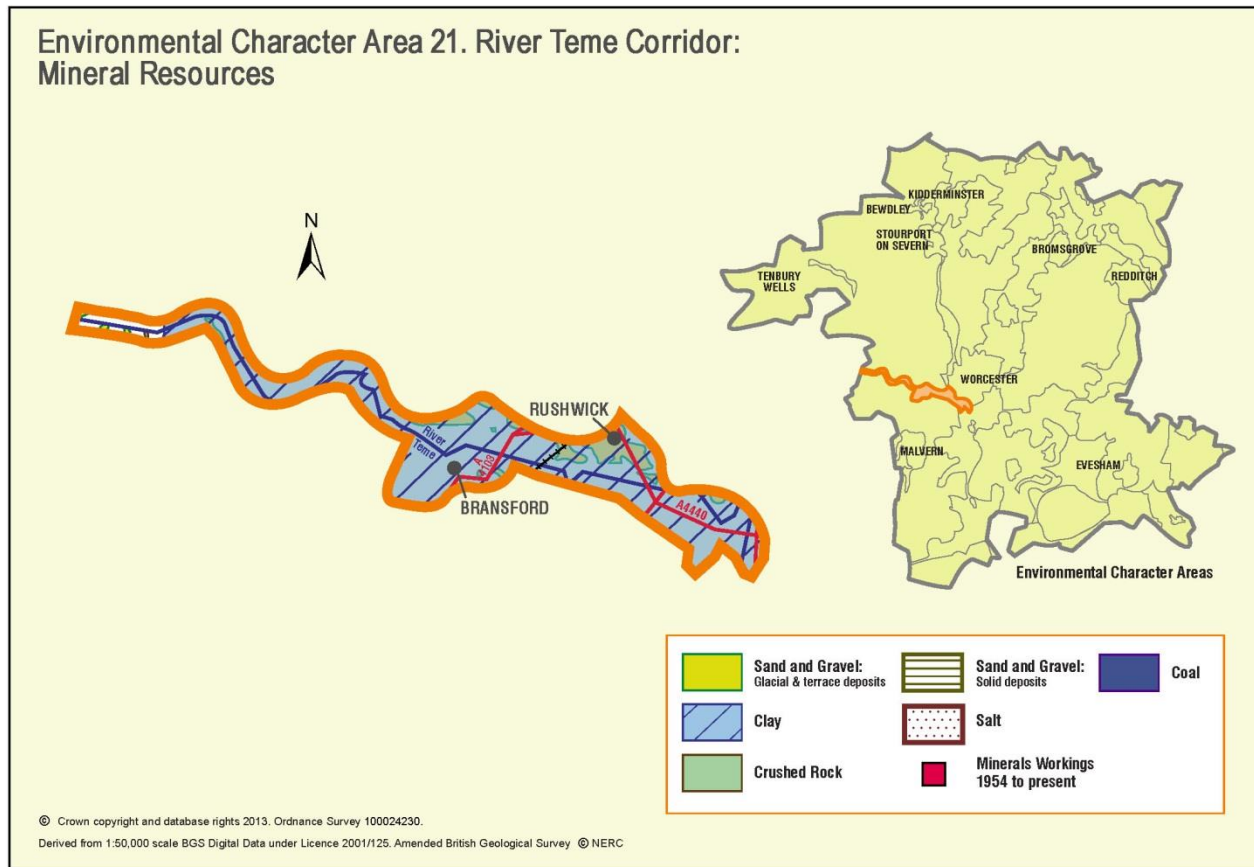


Appendix 21: Analysis of aggregate resources in ECA 21: River Teme Corridor



ECA Summary for the Third Stage consultation on MLP (Spring 2015):

Sand and gravel

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

- Significant: 2
- Compromised: 2

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	
	Original estimated resource tonnage (2 tonnes/m ³)	Significance	Revised estimate of resource tonnage (1.65 tonnes/m ³)	Significance
21/1	750,000	Significant	618,750	Significant
21/1 a	450,000	Compromised	371,250	Compromised
21/1 b	270,000	Compromised	222,750	Compromised
21/2	930,000	Significant	767,250	Significant

Overview		
Resource number:	21/1	
Resource name:	Rushwick	
Resource area:	30ha	
Resource depth:	Estimated 2.5m	
Location		
OS sheet reference:	SO 85 SW	
National grid ref:	382339, 253499	
Resource description:		
Resource description:	3 rd 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. The deposit extends under the village of Rushwick. This is considered separately as resource areas 21/1a and 21/1b.	
Crude estimate of resource:	Area: 30 ha x average depth: 2.5 m / 2 Estimated resource volume: 375,000 m ³ Estimated resource tonnage (at 2 t/m³): 750,000 tonnes	
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: 30 ha x average depth: 2.5 m / 2 Estimated resource volume: 375,000 m ³ Estimated resource tonnage (at 1.65 t/m³): 618,750 tonnes	
Conclusion:	Significant.	

Overview		
Resource number:	21/1 a	
Resource name:	Rushwick a)	
Resource area:	18ha	
Resource depth:	Estimated 2.5m	
Location		
OS sheet reference:	SO 85 SW	
National grid ref:	382566, 253366	
Resource description:		
Resource description:	3 rd 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 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.	
Crude estimate of resource:	Area: 18 ha x average depth: 2.5 m / 2 Estimated resource volume: 225,000 m ³ Estimated resource tonnage (at 2 t/m³): 450,000 tonnes	
Conclusion:	Compromised by development.	
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)		
Revised estimate of resource:	Area: 18 ha x average depth: 2.5 m / 2 Estimated resource volume: 225,000 m ³ Estimated resource tonnage (at 1.65 t/m³): 371,250 tonnes	
Conclusion:	Compromised by development.	

Overview	
Resource number:	21/1 b
Resource name:	Rushwick b)
Resource area:	11ha
Resource depth:	Estimated 2.5m
Location	
OS sheet reference:	SO 85 SW
National grid ref:	382566, 253366
Resource description:	
Resource description:	3 rd 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 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).
Crude estimate of resource:	Area: 11 ha x average depth: 2.5 m / 2 Estimated resource volume: 137,500 m ³ Estimated resource tonnage (at 2 t/m³): 270,000 tonnes
Conclusion:	Compromised by development.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 11 ha x average depth: 2.5 m / 2 Estimated resource volume: 137,500 m ³ Estimated resource tonnage (at 1.65 t/m³): 222,750 tonnes
Conclusion:	Compromised by development.

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 rd 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 ³ Estimated resource tonnage (at 2 t/m³): 930,000 tonnes
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 ³ Estimated resource tonnage (at 1.65 t/m³): 767,250 tonnes
Conclusion:	Significant.