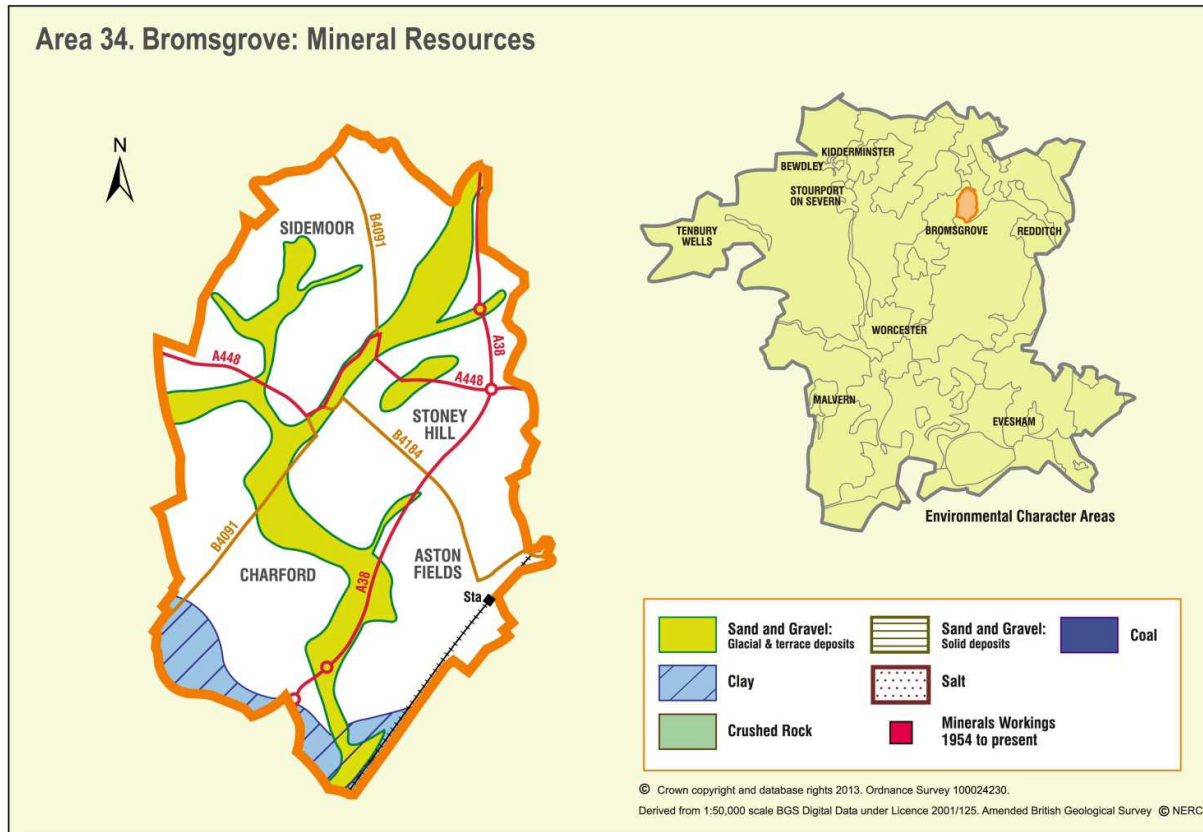


Appendix 34: Analysis of aggregate resources in Area 34: Bromsgrove



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

Sand and gravel

There are 3 resource areas identified for sand and gravel in the Bromsgrove Area:

- Compromised: 3

Crushed rock

There are no resource areas identified in Bromsgrove Area for crushed rock.

Non-aggregates

BGS data indicates that there are deposits of clay in this area.


Overview of resource assessment for ECA 34

Sand and gravel resource areas:

Resource number*	Second Stage Consultation		Third Stage Consultation		Fourth Stage Consultation		
	Original estimated resource tonnage (2 tonnes/m ³)	Significance	Revised estimate of resource tonnage (1.65 tonnes/m ³)	Significance	New resource number (where resource has been split)	Revised estimate of resource tonnage (1.65 tonnes/m ³)	Result
34/1	144,000	Compromised	118,800	Compromised	Not reassessed		
34/2	156,000	Compromised	128,700	Compromised			
34/3	260,000	Compromised	214,500	Compromised			

Overview	
Resource number:	34/1
Resource name:	Stoke Road
Resource area:	12ha
Resource depth:	Estimated 1.2m
Location	
OS sheet reference:	SO 96 NE
National grid ref:	395854, 269158
Resource description:	
Resource description:	3 rd terrace (Holt Heath) sand and gravel. Shown on the geological map as clayey pebbly sand overlies gravel. BGS states that a borehole within the deposit shows a thickness of 0.76m of clayey, silty, sandy and pebbly material, and 0.46m of sand and pebbly material above Sherwood Sandstone. (Total = 1.2m)
	Estimated resource depth based on borehole showing 1.2m.
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A small resource area overlain by the settlement of Bromsgrove.
Crude estimate of resource:	Area: 12 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 72,000 m ³ Estimated resource tonnage (at 2 t/m³): 144,000 tonnes
Conclusion:	Compromised by development with less than 10ha remaining.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 12 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 72,000 m ³ Estimated resource tonnage (at 1.65 t/m³): 118,800 tonnes
Conclusion:	Compromised by development.
Assessment of resource for the Fourth Stage consultation on MLP (August 2018)	
Not reassessed due to resource not being classified as Key or Significant in the Third Stage Consultation	

Overview	
Resource number:	34/2
Resource name:	Charford
Resource area:	13ha
Resource depth:	Estimated 1.2m
Location	
OS sheet reference:	SO 96 NE
National grid ref:	395600, 269923
Resource description:	
Resource description:	3 rd terrace (Holt Heath) sand and gravel. The memoir comments that the gravel seems to be less than 2m thick and to contain a high proportion of fine sediment. A borehole to the south east shows a thickness of 0.76m of clayey, silty, sandy and pebbly material, and 0.46m of sand and pebbly material above Sherwood Sandstone. (Total = 1.2m)
	Estimated resource depth based on borehole showing 1.2m.
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A small resource area overlain by the urban area of Bromsgrove.
Crude estimate of resource:	Area: 13 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 78,000 m ³ Estimated resource tonnage (at 2 t/m³): 156,000 tonnes
Conclusion:	Compromised by development with less than 10ha remaining.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 13 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 78,000 m ³ Estimated resource tonnage (at 1.65 t/m³): 128,700 tonnes
Conclusion:	Compromised by development.
Assessment of resource for the Fourth Stage consultation on MLP (August 2018)	
Not reassessed due to resource not being classified as Key or Significant in the Third Stage Consultation	

Overview	
Resource number:	34/3
Resource name:	Birmingham Road
Resource area:	26ha
Resource depth:	Estimated 1m
Location	
OS sheet reference:	SO 97 SE
National grid ref:	396503, 271474
	
Resource description:	
Resource description:	3 rd terrace (Holt Heath) sand and gravel. A borehole in the deposit showed 1m of sand and gravel. Estimated resource depth based on borehole: 1m
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	This resource area is overlain by the settlement of Bromsgrove.
Crude estimate of resource:	Area: 26 ha x average depth: 1m ÷ 2 Estimated resource volume: 130,000m ³ Estimated resource tonnage (at 2 t/m³): 260,000 tonnes
Conclusion:	Compromised by development.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 26 ha x average depth: 1m ÷ 2 Estimated resource volume: 130,000m ³ Estimated resource tonnage (at 1.65 t/m³): 214,500 tonnes
Conclusion:	Compromised by development.
Assessment of resource for the Fourth Stage consultation on MLP (August 2018)	
Not reassessed due to resource not being classified as Key or Significant in the Third Stage Consultation	