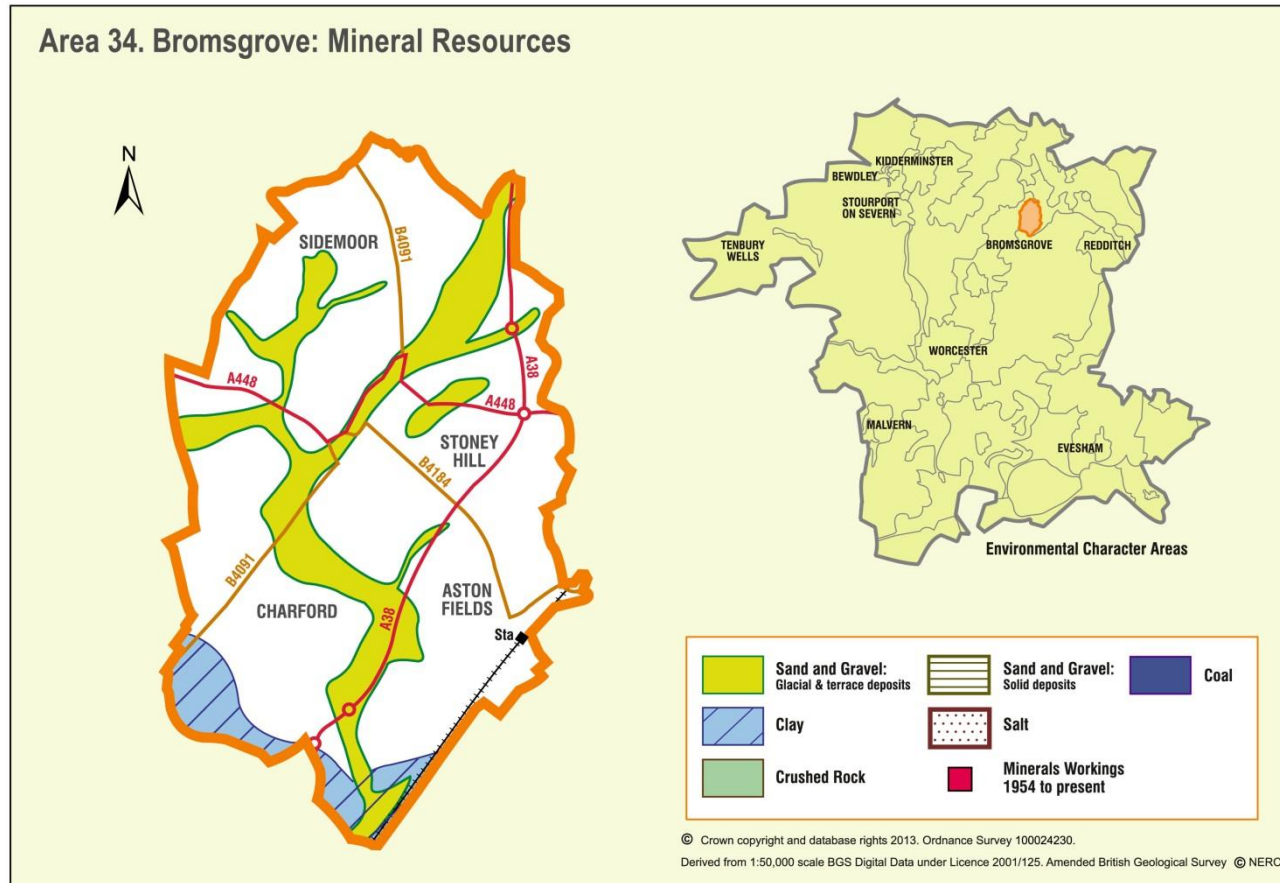


## Appendix 34: Analysis of aggregate resources in Area 34: Bromsgrove



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

### 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.

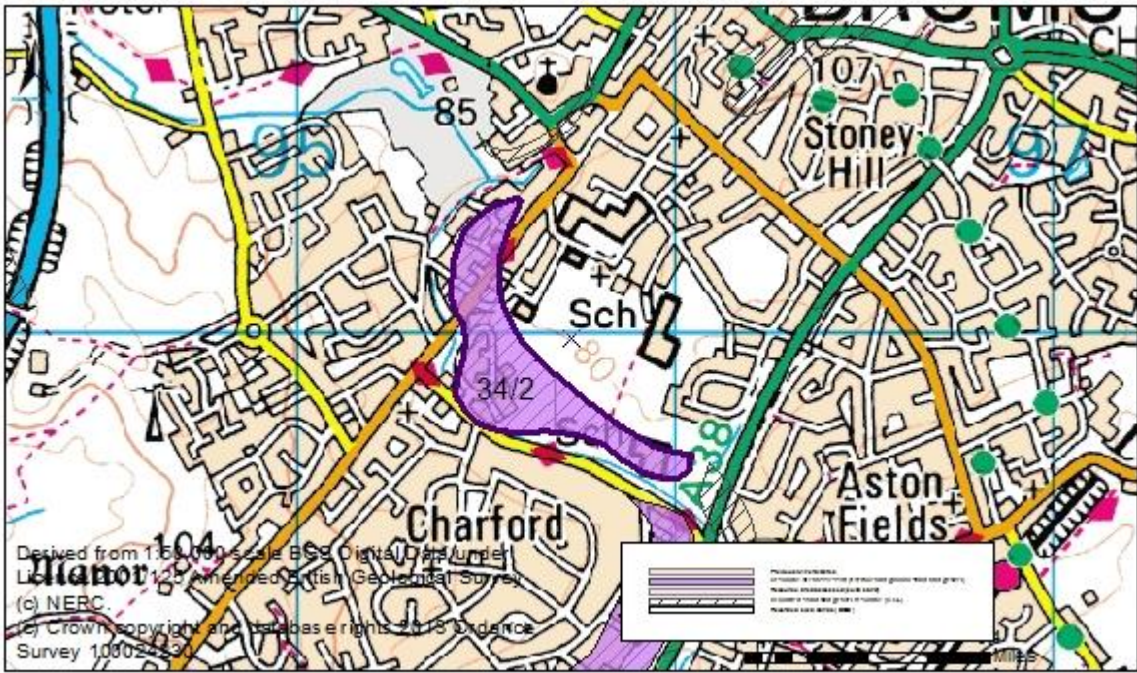
## Overview of resource assessment for ECA 34

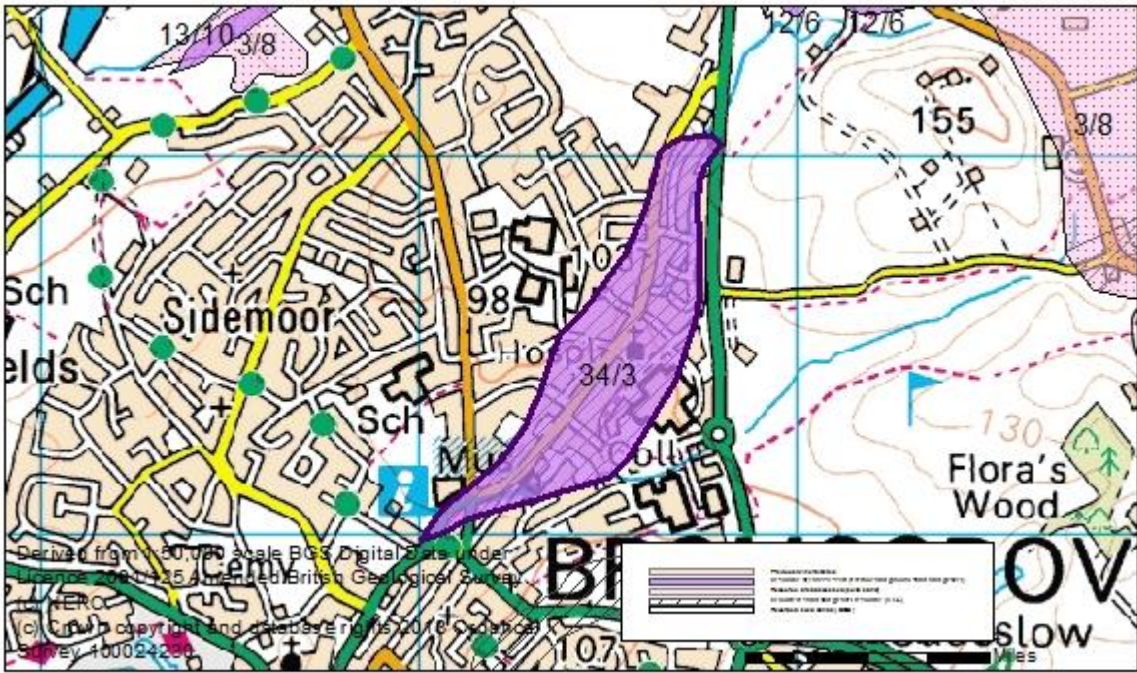
Sand and gravel resource areas:

Resource number*	Second Stage Consultation		Third Stage Consultation	
	Original estimated resource tonnage (2 tonnes/m <sup>3</sup> )	Significance	Revised estimate of resource tonnage (1.65 tonnes/m <sup>3</sup> )	Significance
34/1	144,000	Compromised	118,800	Compromised
34/2	156,000	Compromised	128,700	Compromised
34/3	260,000	Compromised	214,500	Compromised

<b>Overview</b>	
<b>Resource number:</b>	34/1
<b>Resource name:</b>	Stoke Road
<b>Resource area:</b>	12ha
<b>Resource depth:</b>	Estimated 1.2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 96 NE
<b>National grid ref:</b>	395854, 269158
<b>Resource description:</b>	
<b>Resource description:</b>	3 <sup>rd</sup> 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.
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small resource area overlain by the settlement of Bromsgrove.
<b>Crude estimate of resource:</b>	Area: 12 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 72,000 m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 144,000 tonnes</b>
<b>Conclusion:</b>	Compromised by development with less than 10ha remaining.
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	Area: 12 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 72,000 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 118,800 tonnes</b>
<b>Conclusion:</b>	Compromised by development.



<b>Overview</b>	
<b>Resource number:</b>	34/2
<b>Resource name:</b>	Charford
<b>Resource area:</b>	13ha
<b>Resource depth:</b>	Estimated 1.2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 96 NE
<b>National grid ref:</b>	395600, 269923
	
<b>Resource description:</b>	
<b>Resource description:</b>	3 <sup>rd</sup> 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.
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small resource area overlain by the urban area of Bromsgrove.
<b>Crude estimate of resource:</b>	Area: 13 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 78,000 m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 156,000 tonnes</b>
<b>Conclusion:</b>	Compromised by development with less than 10ha remaining.
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	Area: 13 ha x average depth: 1.2m ÷ 2 Estimated resource volume: 78,000 m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 128,700 tonnes</b>
<b>Conclusion:</b>	Compromised by development.

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 <sup>rd</sup> 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 <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 260,000 tonnes</b>
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 <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 214,500 tonnes</b>
Conclusion:	Compromised by development.