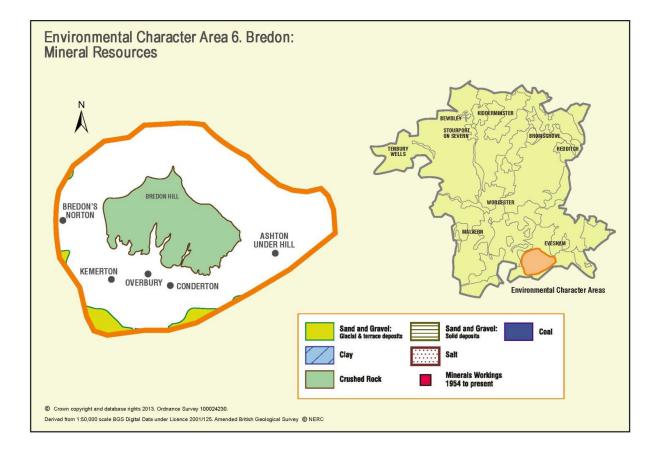
Appendix 6: Analysis of aggregate resources in ECA 6: Bredon



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

Sand and gravel

There are no resource areas identified for sand and gravel in Bredon ECA. The sand and gravel resources which are shown here are assessed under ECA 16 and ECA 18.

Crushed rock

There is one resource area identified in Bredon ECA for crushed rock:

• Compromised: 1

Non-aggregates

BGS data indicates that there are no non-aggregate mineral deposits in Bredon ECA.

Overview of resource assessment for ECA 6

Crushed rock resource areas:

Resource	Second Stage Consultation		Third Stage Consultation		Fourth Stage Consultation		
number*	Original estimated resource tonnage (2.7 tonnes/m ³)	U	Revised estimate of resource tonnage (2.45 tonnes/m ³)	Ū	New resource number (where resource has been split)	Revised estimate of resource tonnage (2.45 tonnes/m ³)	Result
6/1	236,190,000	Key	289,332,750	Key			Compromised

Overview		58				
Resource number:	6/1					
Resource name:	Bredon Hill	Partie House Netherton				
Resource area:	764 ha	st Catherines Fm				
Resource depth:	Estimated 22.9m	Clattsmore Banbury Stone				
Location		ScLodge Fm				
OS sheet reference:	SO 93 NE, SO 93 NW, SO 94 SE	Bredonis				
National grid ref:	396487, 238925	Perived from 1:50,000 escale Bags Digited Patary biorest Derived from 1:50,000 escale Bags Digited Patary biorest Derived from 1:50,000 escale Bags Digited Patary biorest Bitists Creating Strivey of NERG Diffists Creating Strivey of NERG Conderton Ordinance Supper 100024230				
Resource description:						
Resource description:	 Birdlip limestone formation of the Inferior Oolite group (crushed rock). A borehole at Lalu Farm shows Inferior Oolite to 36m, overlying Upper Lias clay, Mudstone rock bed, Middle Lias clay and Lower Lias clay. The BGS memoir for Tewkesbury area records probably 30m of Lower Inferior Oolite beds; about 9.1m of massive, oolitic shell-fragmented limestones exposed in an old quarry recorded by Richardson; and in a locality a mile to the north west of Overbury Church oolitic limestone estimated at 8.5m thick overlain in turn by 10.5m of lower limestone, up to 4.3m of Pea Grit and Lower Freestone (total 23.3m). The deposit is substantially faulted and a borehole at Scarborough cottages shows Inferior Oolite to a depth of 15.9m, overlying Upper Lias clay to 29.7m, a fault zone to 32m, and Lower Lias Clays and silts to the east. The hill is surrounded by landslips of mudstones to the west and Upper and Lower Lias Clays and silts to the east. The hill has clearly been worked in several places in the historic past, and the older houses, walls and outbuildings in the villages all around it are almost completely built from local stone. Estimated resource depth based on a mean average of: a) borehole at Lalu Farm: 36m, b) BGS memoir records of Tewkesbury area: 30m c) Richardson 9.1m d) Overbury Church 23.3m, e) borehole at Scarborough 					

	cottages: 15.9m = 22.9m		
Assessment of resource	ce for the second consultation on MLP (Autumn 2013)		
Commentary:	A large resource area with small-scale dispersed development across the resource area.		
Crude estimate of	Area: 764 ha x average depth: 22.9 m ÷ 2		
resource:	Estimated resource volume: 87,478,000 m ³		
	Estimated resource tonnage (at 2.7 t/m ³): 236,190,600 tonnes		
Conclusion:	Significant – key resource.		
	Use to define areas of search.		
Assessment of resource	ce for the Third Stage consultation on MLP (Spring 2015)		
Revised estimate of			
resource:	Estimated resource volume: 87,478,000 m ³		
	Estimated resource tonnage (at 2.45 t/m ³): 289,332,750 tonnes		
Conclusion:	Significant – key resource.		
Assessment of resource	ce for the Fourth Stage consultation on MLP (August 2018)		
Commentary:	Screened out due to the following appendix A criterion:		
	- Area of Outstanding Natural Beauty		
	- Listed Buildings		
	- National Nature Reserve		
	- Registered Parks and Garden		
	- Site of Special Scientific Interest		
	- Special Area of Conservation		
Conclusion:	Compromised		