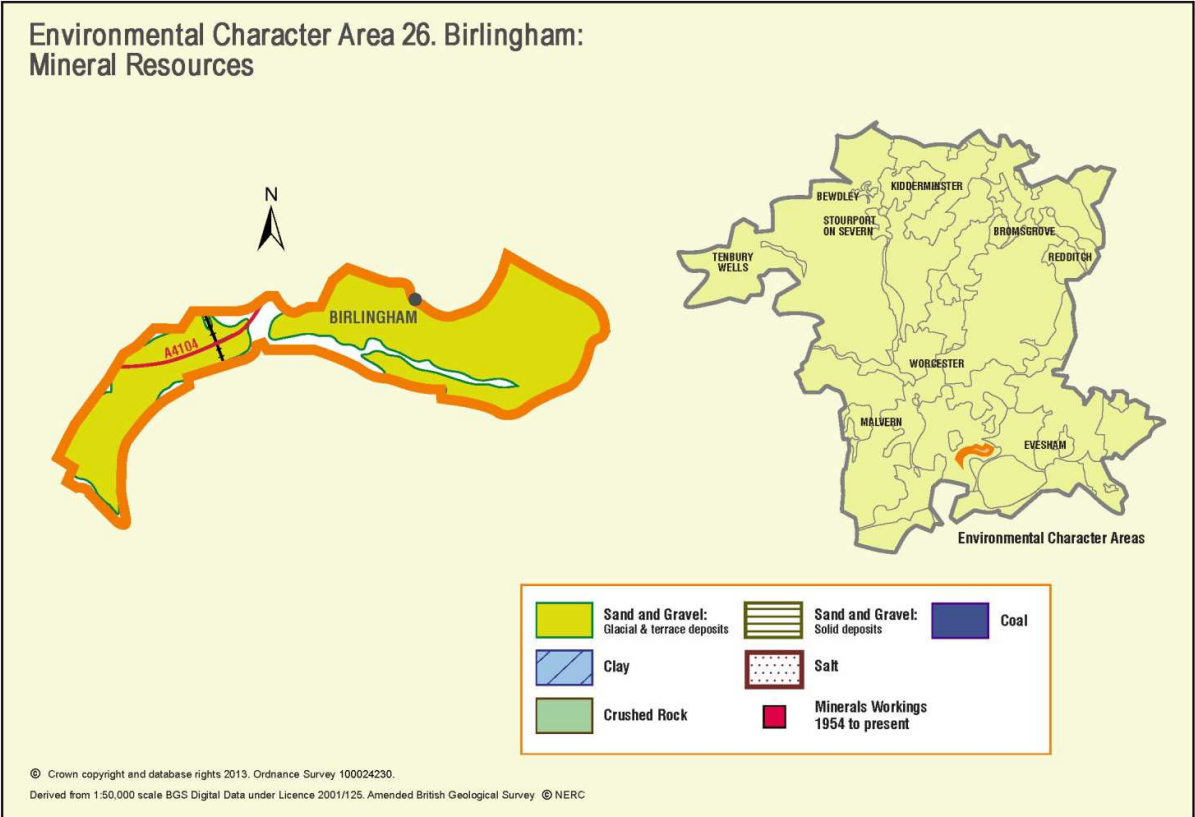


Appendix 26: Analysis of aggregate resources in ECA 26: Birlingham



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 Birlingham ECA:

- Key: 2
- Compromised: 1

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

Non-aggregates
BGS data indicates that there are no non-aggregate mineral deposits in Birlingham ECA.

Overview of resource assessment for ECA 26

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
26/1	2,997,000	Key	2,472,525	Key		2,472,525	Key
26/2	8,399,000	Key	6,929,175	Key	26/2	6,583,400	Key
					26/2b		Compromised

Overview	
Resource number:	26/1
Resource name:	Elm Lodge Farm, Woodmancote
Resource area:	81ha
Resource depth:	Estimated 3.7m
Location	
OS sheet reference:	SO 94 SW
National grid ref:	391038, 242308
Resource description:	
Resource description:	A 2 nd river terrace sand and gravel (Wasperton) deposit. A borehole at the northern of the terrace recorded 3.7m sand and gravel beneath 1.2m overburden. (Estimated resource depth 3.7m)
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A medium deposit, intersected by railway line in the east and roads across the centre of the resource area.
Crude estimate of resource:	Area: 81 ha x average depth: 3.7m ÷ 2 Estimated resource volume: 1,498,500 m ³ Estimated resource tonnage (at 2 t/m³): 2,997,000 tonnes
Conclusion:	Significant – key resource. Use to define areas of search.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 81 ha x average depth: 3.7m ÷ 2 Estimated resource volume: 1,498,500 m ³ Estimated resource tonnage (at 1.65 t/m³): 2,472,525 tonnes
Conclusion:	Significant – key resource.
Assessment of resource for the Fourth Stage consultation on MLP (August 2018)	
Resource area:	81ha
Resource depth:	3.7m
Revised estimate of	Area: 81 ha x average depth: 3.7m ÷ 2

resource:	Estimated resource volume: 1,498,500 m ³ Estimated resource tonnage (at 1.65 t/m³): 2,472,525 tonnes
Conclusion:	Significant resource

Overview	
Resource number:	26/2
Resource name:	Birlingham
Resource area:	227 ha
Resource depth:	3.7 m
Location	
OS sheet reference:	SO 94 SW
National grid ref:	393568, 242860
Resource description:	
Resource description:	2 nd river terrace (Wasperton), 3 rd river terrace (New Inn) sand and gravel deposits. Part of this resource is from the Bretford member. A borehole in the 2 nd terrace (in resource area 26/1 to the west) recorded 3.7m sand and gravel beneath 1.2m overburden. (Estimated resource depth 3.7m)
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A large deposit, intersected by railway line in the east and roads across the centre of the resource area.
Crude estimate of resource:	Area: 227 ha x average depth: 3.7m ÷ 2 Estimated resource volume: 4,199,500 m ³ Estimated resource tonnage (at 2 t/m³): 8,399,000 tonnes
Conclusion:	Significant – key resource. Use to define areas of search.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 227 ha x average depth: 3.7m ÷ 2 Estimated resource volume: 4,199,500 m ³ Estimated resource tonnage (at 1.65 t/m³): 6,929,175 tonnes
Conclusion:	Significant – key resource.
Assessment of resource for the Fourth Stage consultation on MLP (August 2018)	
This resource area has been split into areas 26/2 and 26/2b.	
Resource area 26/2	Resource area 26/2b

Resource area:	216 ha	Commentary:	Screened out due to the following appendix A criterion: <ul style="list-style-type: none"> - Conservation Area - Listed Buildings - Settlement boundary
Resource depth:	Estimated 3.7m		
Revised estimate of resource:	Area: 216 ha x average depth: 3.7m ÷ 2 Estimated resource volume: 3,996,000 m ³ Estimated resource tonnage (at 1.65 t/m³): 6,593,400 tonnes		
Conclusion:	Key resource	Conclusion:	Compromised