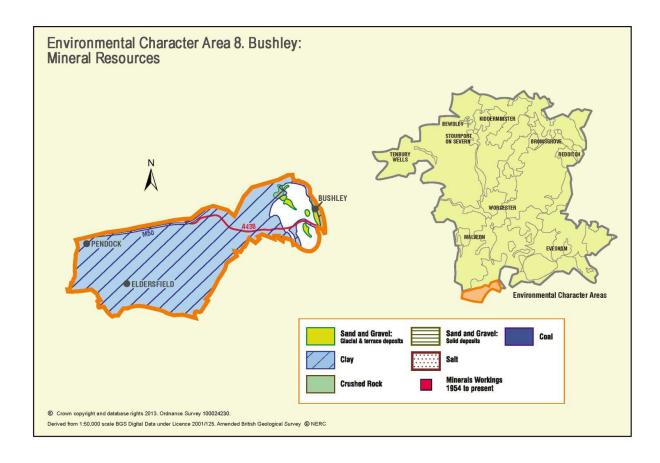
## Appendix 8: Analysis of aggregate resources in ECA 8: Bushley



# 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 Bushley ECA:

• Key: 1

Not Significant: 1Compromised: 1

#### Crushed rock

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

#### Non-aggregates

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

# Overview of resource assessment for ECA 8

## Sand and gravel resource areas:

Resource	Second Stage Consultation		Third Stage Consultation		Fourth Stage Consultation		
number*		Significance	Revised estimate of	Significance	New resource	Revised	Result
	estimated		resource tonnage		number	estimate of	
	resource tonnage		(1.65 tonnes/m³)		(where	resource	
	(2 tonnes/m³)				resource has	tonnage (1.65	
					been split)	tonnes/m³)	
8/1		Key	2,199,450	Key	8/1	21,208,580	Key
	2,666,000				8/1b		Compromised
8/2	640,000	Significant	528,000	Not significant	Not reassessed		

Overview Resource number: 8/1

**Bushley Green** Resource name:

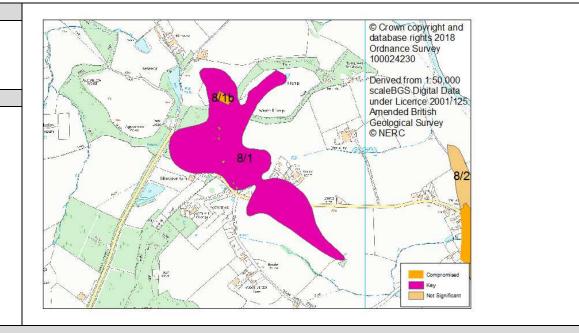
Resource area:

Resource depth: Estimated 9.5m

Location

OS sheet reference: SO 83 SE

National grid ref: 386359, 233981



**Resource description:** 

5<sup>th</sup> to 6<sup>th</sup> terrace sand and gravel. An old pit at Bushley Green indicates a thickness of at least 9.45m. The **Resource description:** 

composition of the gravel varies from rounded quartzite to Malvernian pebbles. The available evidence suggests that a thickness and composition may be very variable and consequently any future investigation

would need to be detailed.

(Estimated resource depth based on exposure of depth at Bushley Green this is rounded to 9.5m)

Assessment of resource for the second consultation on MLP (Autumn 2013)

A small deposit partially compromised by a small-scale ribbon development in the west of the resource area. **Commentary:** 

Area: 28ha x average depth: 9.5m / 2 Crude estimate of resource:

Estimated resource volume: 1.333.000m<sup>3</sup>.

Estimated resource tonnage (at 2 t/m<sup>3</sup>): 2,666,000 tonnes

Conclusion: Significant – key resource. Use to define areas of search.

Assessment of resource for the Third Stage consultation on MLP (Spring 2015)

Area: 28ha x average depth: 9.5m / 2 Revised estimate of Estimated resource volume: 1,333,000m<sup>3</sup>. resource:

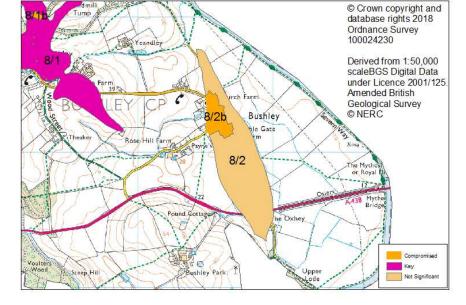
Estimated resource tonnage (at 1.65 t/m³): 2,199,450 tonnes

Significant – key resource. Conclusion:

Assessment of resource for the Fourth Stage consultation on MLP (August 2018)

This resource area has been split into areas 8/1 and 8/1b.					
	Resource area 8/1	Resource area 8/1b			
Resource area:	27 ha	Commentary:	Screened out due to the following appendix A criterion:		
Resource depth:	Estimated 9.5m		- Listed Buildings		
Revised estimate	Area: 27 ha x average depth: 9.5m ÷ 2		- Site of Special Scientific Interest		
of resource:	Estimated resource volume: 1,282,500 m <sup>3</sup>				
	Estimated resource tonnage (at 1.65				
	t/m³): 2,116,125 tonnes				
Conclusion:	Key resource	Conclusion:	Compromised		

Overview	
Resource number:	8/2
Resource name:	Bushley
Resource area:	32 ha
Resource depth:	Estimated 2m
Location	
OS sheet reference:	SO 83 SE
National grid ref:	387727, 233981



#### **Resource description:**

Resource description: 3rd terrace (Holt Heath) sand and gravel. There are no exposures but at the surface gravel with bunter

pebbles is present. The deposits are mainly well sorted, well rounded pebbly sands. At Bushley, the memoir states that it is difficult to estimate thickness but that 1-3m would appear reasonable.

(Estimated resource depth based on median depth of 2m)

Assessment of resource for the second consultation on MLP (Autumn 2013)

**Commentary:** A small deposit with a small-scale settlement in the northern end of the resource area and scattered

	development throughout.		
Crude estimate of			
resource:	Estimated resource volume: 320,000m <sup>3</sup>		
	Estimated resource tonnage (at 2 t/m³): 640,000 tonnes.		
Conclusion:	Significant.		
	Consider in defining areas of search.		
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)			
Revised estimate of	Area: 32 ha x average depth: 2m x 0.5		
resource:	Estimated resource volume: 320,000m <sup>3</sup>		
	Estimated resource tonnage (at 1.65 t/m³): 528,000 tonnes		
Conclusion:	Change to conclusion: Not significant.		
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			