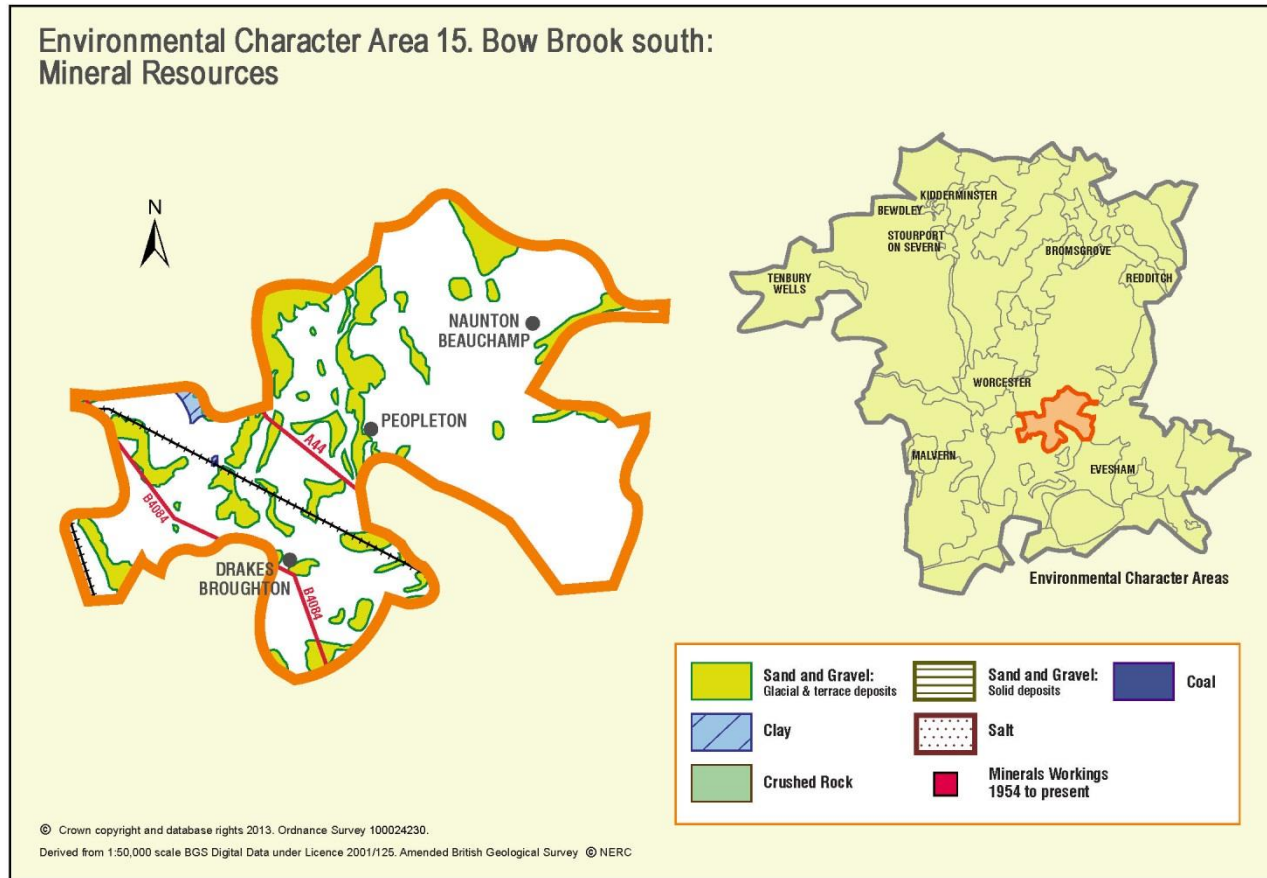


## Appendix 15: Analysis of aggregate resources in ECA 15: Bow Brook South



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

#### Sand and gravel

There are 14 resource areas identified for sand and gravel in Bow Brook South ECA:

- Key: 1
- Significant: 4
- Not significant: 9

#### Crushed rock

There are no resource areas identified in Bow Brook South for crushed rock.

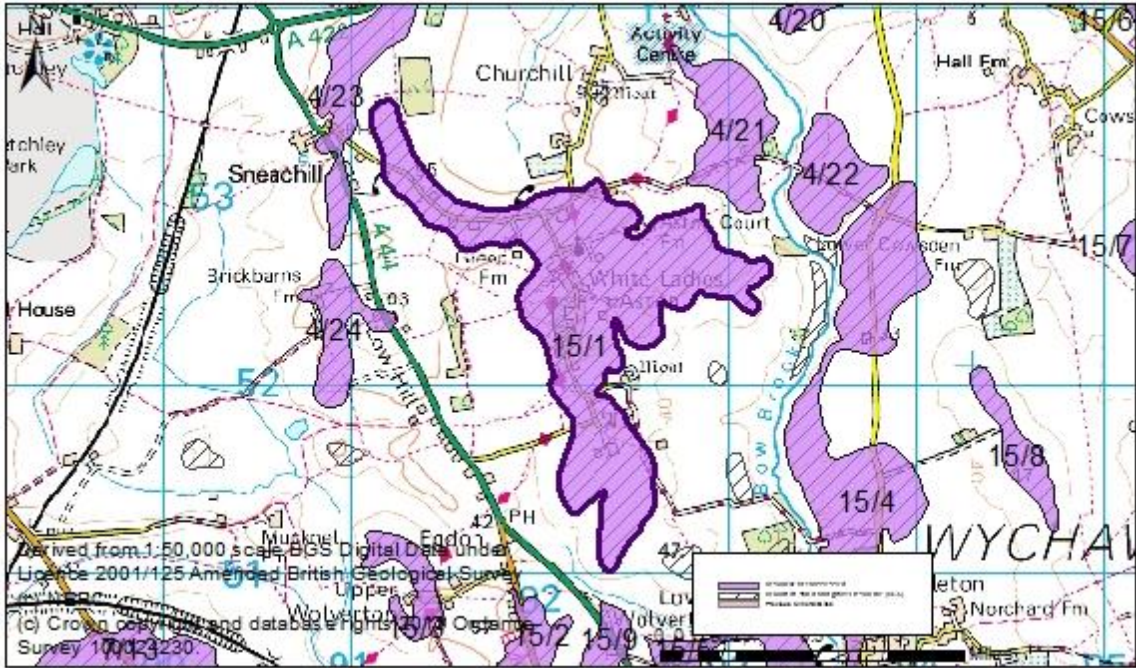
#### Non-aggregates

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

## Overview of resource assessment for ECA 15

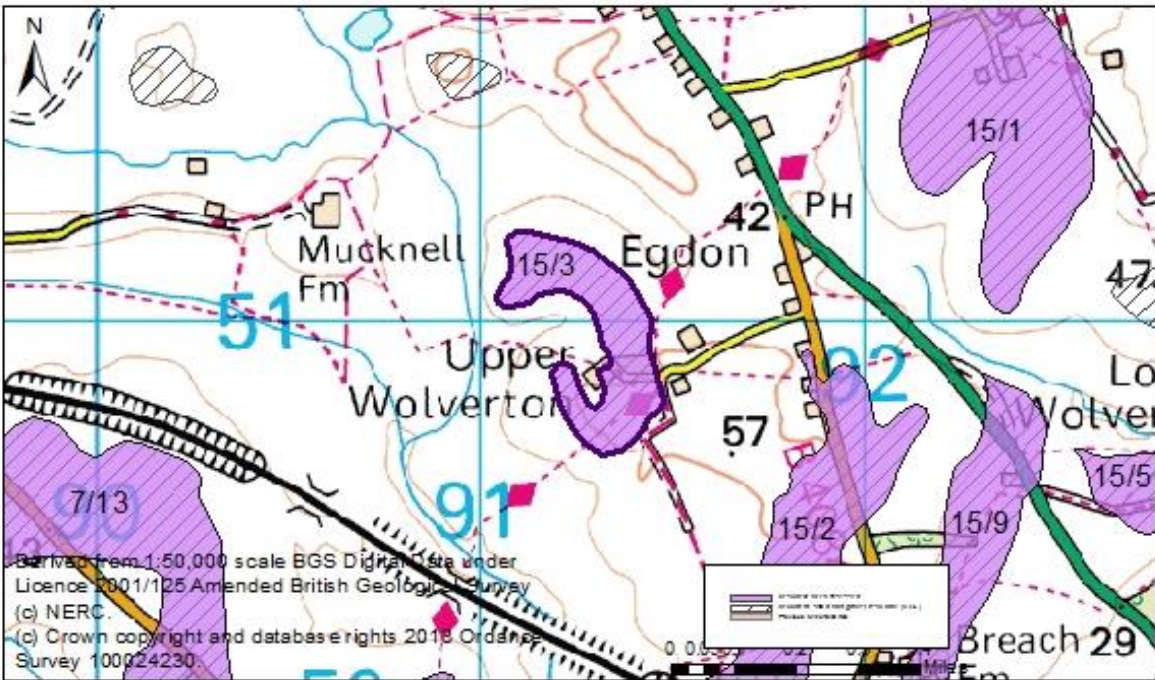
### Sand and gravel resource areas:

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
15/1	2,640,000	Key	2,178,000	Key
15/2	1,080,000	Significant	891,000	Significant
15/3	220,000	Not significant	181,500	Not significant
15/4	1,840,000	Significant	1,518,000	Significant
15/5	380,000	Not significant	313,500	Not significant
15/6	1,620,000	Significant	1,336,500	Significant
15/7	200,000	Not significant	165,000	Not significant
15/8	220,000	Not significant	181,500	Not significant
15/9	280,000	Not significant	231,000	Not significant
15/10	240,000	Not significant	198,000	Not significant
15/11	370,000	Not significant	305,250	Not significant
15/12	280,000	Not significant	231,000	Not significant
15/13	992,000	Significant	818,400	Significant
15/14	403,000	Not significant	332,475	Not significant

<b>Overview</b>	
<b>Resource number:</b>	15/1
<b>Resource name:</b>	White Ladies Aston
<b>Resource area:</b>	132 ha
<b>Resource depth:</b>	Estimated 2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 95 SW
<b>National grid ref:</b>	392241, 252412
	
<b>Resource description:</b>	
<b>Resource description:</b>	<p>4<sup>th</sup> terrace (Ailstone) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A medium-sized deposit with small-scale dispersed development across the resource area, including the hamlet of White Ladies Aston.
<b>Crude estimate of resource:</b>	<p>Area: 132 ha x average depth: 2m / 2          Estimated resource volume: 1,320,000m<sup>3</sup>.  <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 2,640,000 tonnes</b></p>
<b>Conclusion:</b>	<p>Significant – key resource.          Use to define areas of search.</p>
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	<p>Area: 132 ha x average depth: 2m / 2          Estimated resource volume: 1,320,000m<sup>3</sup>  <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 2,178,000 tonnes</b></p>
<b>Conclusion:</b>	Significant.



<b>Overview</b>		
<b>Resource number:</b>	15/2	
<b>Resource name:</b>	Windmill Hill	
<b>Resource area:</b>	54ha	
<b>Resource depth:</b>	Estimated 2m	
<b>Location</b>		
<b>OS sheet reference:</b>	SO 95 SW, SO 94 NW	
<b>National grid ref:</b>	391741, 249816	
<b>Resource description:</b>		
<b>Resource description:</b>	<p>4<sup>th</sup> terrace (Ailstone) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>	
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>		
<b>Commentary:</b>	A medium-sized deposit bisected by a railway line, with a small-scale settlement in the south of the resource area and other dispersed development.	
<b>Crude estimate of resource:</b>	Area: 54 ha x average depth: 2m / 2 Estimated resource volume: 540,000m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 1,080,000 tonnes</b>	
<b>Conclusion:</b>	Significant. Consider in defining areas of search.	
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>		
<b>Revised estimate of resource:</b>	Area: 54 ha x average depth: 2m / 2 Estimated resource volume: 540,000m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 891,000 tonnes</b>	
<b>Conclusion:</b>	Significant.	

Overview	
Resource number:	15/3
Resource name:	Upper Wolverton
Resource area:	11 ha
Resource depth:	Estimated 2m
Location	
OS sheet reference:	SO 95 SW
National grid ref:	391289, 250961
	
Resource description:	
Resource description:	Glaciofluvial deposit, mainly red-brown sand and sandy clay. Deposits to the north (in the Oddingley / Tibberton area) are recorded in the BGS memoirs as about 2m thick. (Estimated resource depth based on BGS memoir estimate of 2m)
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A small resource area with little built development.
Crude estimate of resource:	Area: 11 ha x average depth: 2m x 0.5 Estimated resource volume: 110,000m <sup>3</sup> . <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 220,000 tonnes</b>
Conclusion:	Not significant: Small deposit with less than 300,000m <sup>3</sup> . Not for consideration in defining areas of search.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	Area: 11 ha x average depth: 2m x 0.5 Estimated resource volume: 110,000m <sup>3</sup> . <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 181,500 tonnes</b>
Conclusion:	Not significant.



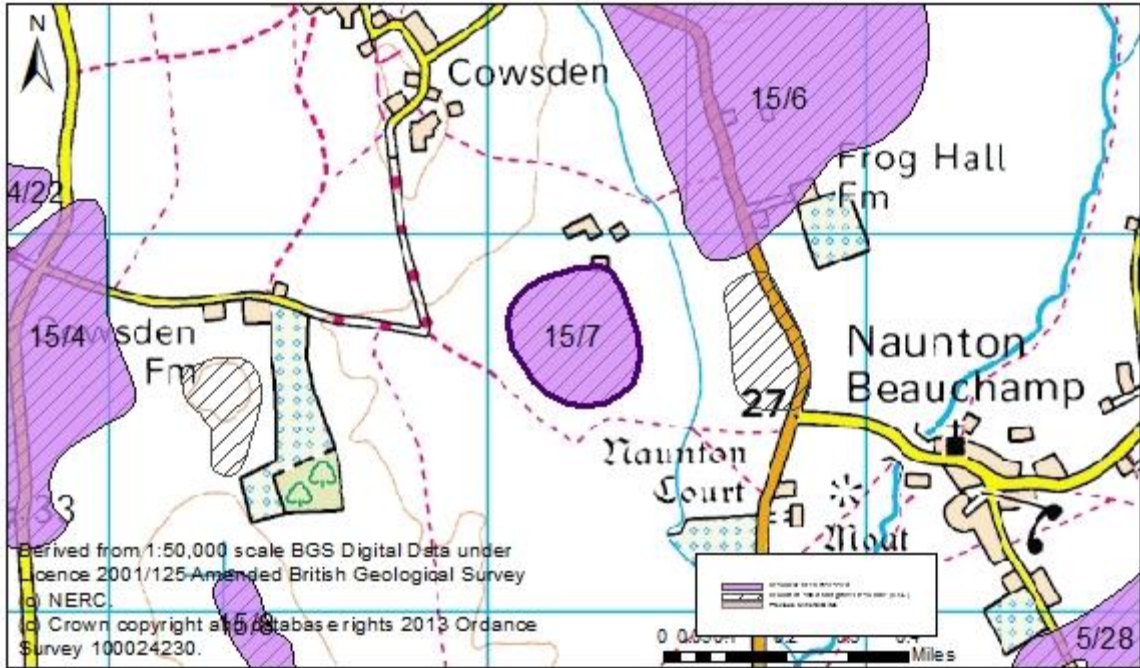
Overview	
<b>Resource number:</b>	15/4
<b>Resource name:</b>	East of the Bow Brook
<b>Resource area:</b>	92 ha
<b>Resource depth:</b>	Estimated 2m
Location	
<b>OS sheet reference:</b>	SO 95 SW, SO 94 NW
<b>National grid ref:</b>	393684, 251585
Resource description:	
<b>Resource description:</b>	2 <sup>nd</sup> terrace (Wasperton) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)
Assessment of resource for the second consultation on MLP (Autumn 2013)	
<b>Commentary:</b>	A medium-sized deposit with part of the village of Peopleton towards the southern end of the resource area and small-scale dispersed development across the resource area.
<b>Crude estimate of resource:</b>	Area: 92 ha x average depth: 2m / 2 Estimated resource volume: 920,000m <sup>3</sup> . <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 1,840,000 tonnes</b>
<b>Conclusion:</b>	Significant. Consider in defining areas of search.
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
<b>Revised estimate of resource:</b>	Area: 92 ha x average depth: 2m / 2 Estimated resource volume: 920,000m <sup>3</sup> . <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 1,518,000 tonnes</b>
<b>Conclusion:</b>	Significant.

Overview	
Resource number:	15/5
Resource name:	Wolverton Farm
Resource area:	19ha
Resource depth:	Estimated 2m
Location	
OS sheet reference:	SO 95 SW
National grid ref:	393121, 250536
Resource description:	
Resource description:	<p>2<sup>nd</sup> terrace (Wasperton) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A small deposit with small-scale development in the western half of the resource area.
Crude estimate of resource:	<p>Area: 19 ha x average depth: 2m x 0.5          Estimated resource volume: 190,000m<sup>3</sup>  <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 380,000 tonnes</b></p>
Conclusion:	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.          Not for consideration in defining areas of search.</p>
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	<p>Area: 19 ha x average depth: 2m x 0.5          Estimated resource volume: 190,000m<sup>3</sup>  <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 313,500 tonnes</b></p>
Conclusion:	Not significant.



<b>Overview</b>	
<b>Resource number:</b>	15/6
<b>Resource name:</b>	Frog Hall Farm
<b>Resource area:</b>	81 ha
<b>Resource depth:</b>	Estimated 2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 95 SE
<b>National grid ref:</b>	395613, 253656
<b>Resource description:</b>	
<b>Resource description:</b>	1 <sup>st</sup> terrace (Bretford) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A medium-sized deposit with small-scale dispersed development across the resource area.
<b>Crude estimate of resource:</b>	Area: 81 ha x average depth: 2m / 2 Estimated resource volume: 810,000m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 1,620,000 tonnes</b>
<b>Conclusion:</b>	Significant. Consider in defining areas of search.
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	Area: 81 ha x average depth: 2m / 2 Estimated resource volume: 810,000m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 1,336,500 tonnes</b>
<b>Conclusion:</b>	Significant.



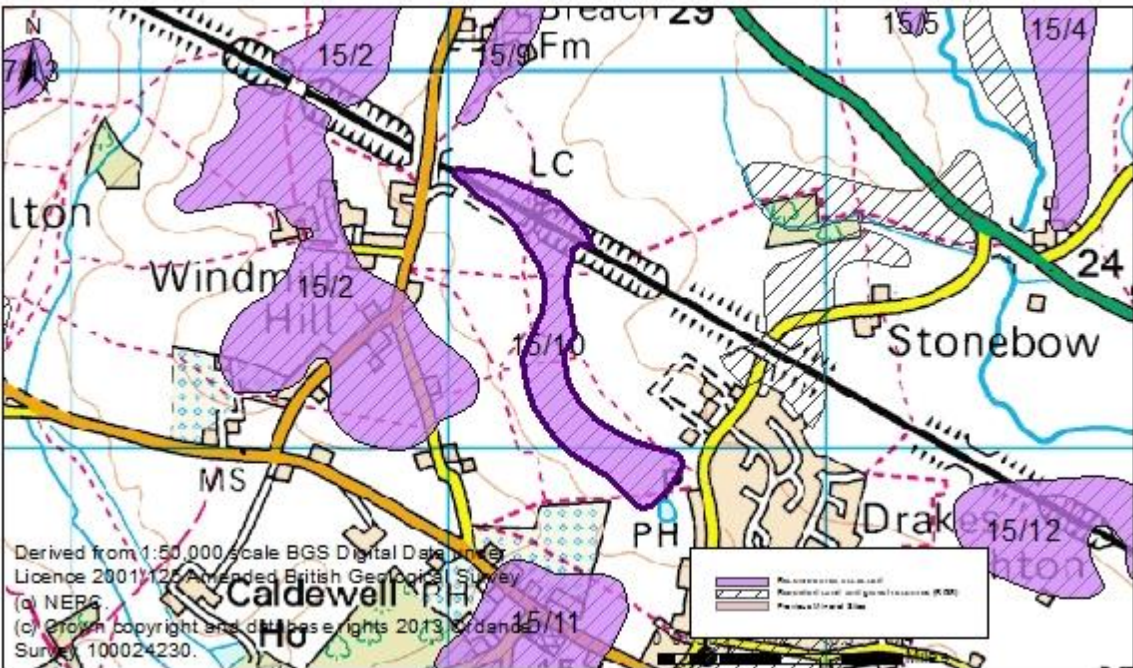
Overview	
Resource number:	15/7
Resource name:	South of Cowsden
Resource area:	10 ha
Resource depth:	Estimated 2m
Location	
OS sheet reference:	SO 95 SW, SO 95 SE
National grid ref:	295233, 252730
	
Resource description:	
Resource description:	<p>1<sup>st</sup> terrace (Bretford) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A small deposit with no built development in the resource area.
Crude estimate of resource:	<p>Area: 10 ha x average depth: 2m / 2          Estimated resource volume: 100,000m<sup>3</sup>  <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 200,000 tonnes</b></p>
Conclusion:	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.          Not for consideration in defining areas of search.</p>
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	<p>Area: 10 ha x average depth: 2m / 2          Estimated resource volume: 100,000m<sup>3</sup>  <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 165,000 tonnes</b></p>
Conclusion:	Not significant.

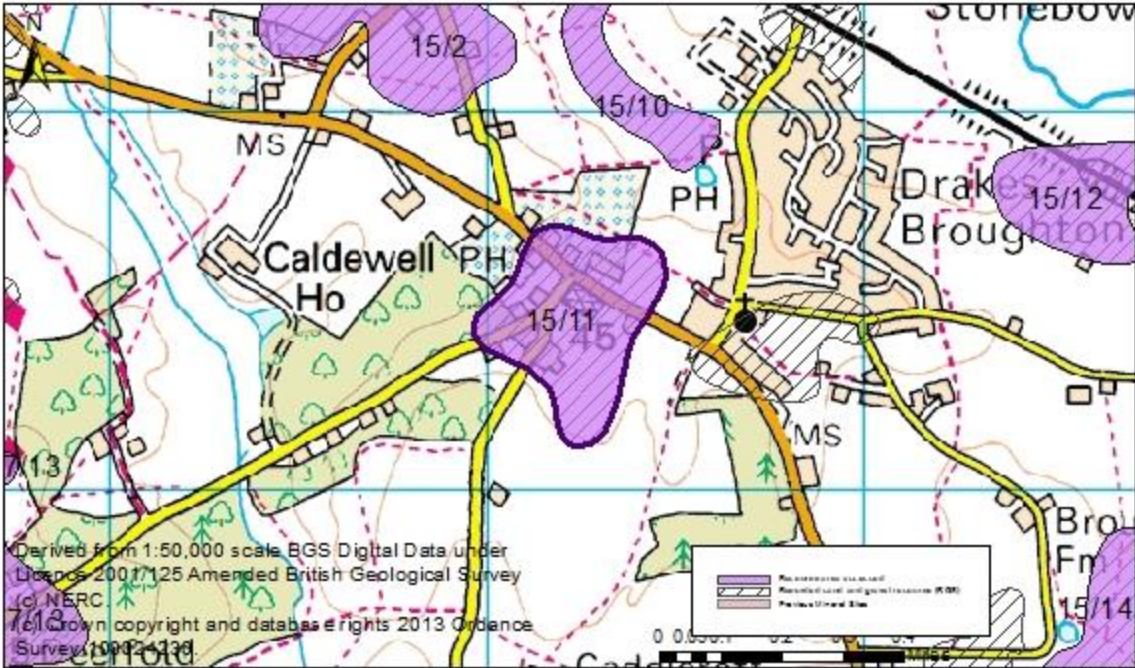
Overview	
Resource number:	15/8
Resource name:	Springfield Farm
Resource area:	11 ha
Resource depth:	Estimated 2m
Location	
OS sheet reference:	SO 95 SW
National grid ref:	394526, 251670
<p>Derived from 1:50,000 scale BGS Digital Data under Licence 2001/125 Amended British Geological Survey (c) NERC (c) Crown copyright and database rights 2015 Ordnance Survey 100034130</p>	
Resource description:	
Resource description:	<p>4<sup>th</sup> terrace (Ailstone) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>
Assessment of resource for the second consultation on MLP (Autumn 2013)	
Commentary:	A small deposit with no built development in the resource area.
Crude estimate of resource:	<p>Area: 11ha x average depth: 2m x 0.5          Estimated resource: 110,000m<sup>3</sup>  <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 220,000 tonnes</b></p>
Conclusion:	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.          Not for consideration in defining areas of search.</p>
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)	
Revised estimate of resource:	<p>Area: 11ha x average depth: 2m x 0.5          Estimated resource: 110,000m<sup>3</sup>  <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 181,500 tonnes</b></p>
Conclusion:	Not significant.



<b>Overview</b>	
<b>Resource number:</b>	15/9
<b>Resource name:</b>	Breach Farm
<b>Resource area:</b>	14ha
<b>Resource depth:</b>	Estimated 2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 95 SW
<b>National grid ref:</b>	<from GIS>
<b>Resource description:</b>	
<b>Resource description:</b>	<p>3<sup>rd</sup> terrace (New Inn) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small deposit with small-scale dispersed development across the resource area.
<b>Crude estimate of resource:</b>	<p>Area: 14ha x average depth: 2m / 2          Estimated resource volume: 140,000m<sup>3</sup>  <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 280,000 tonnes</b></p>
<b>Conclusion:</b>	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.          Not for consideration in defining areas of search.</p>
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	<p>Area: 14ha x average depth: 2m / 2          Estimated resource volume: 140,000m<sup>3</sup>  <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 231,000 tonnes</b></p>
<b>Conclusion:</b>	Not significant.



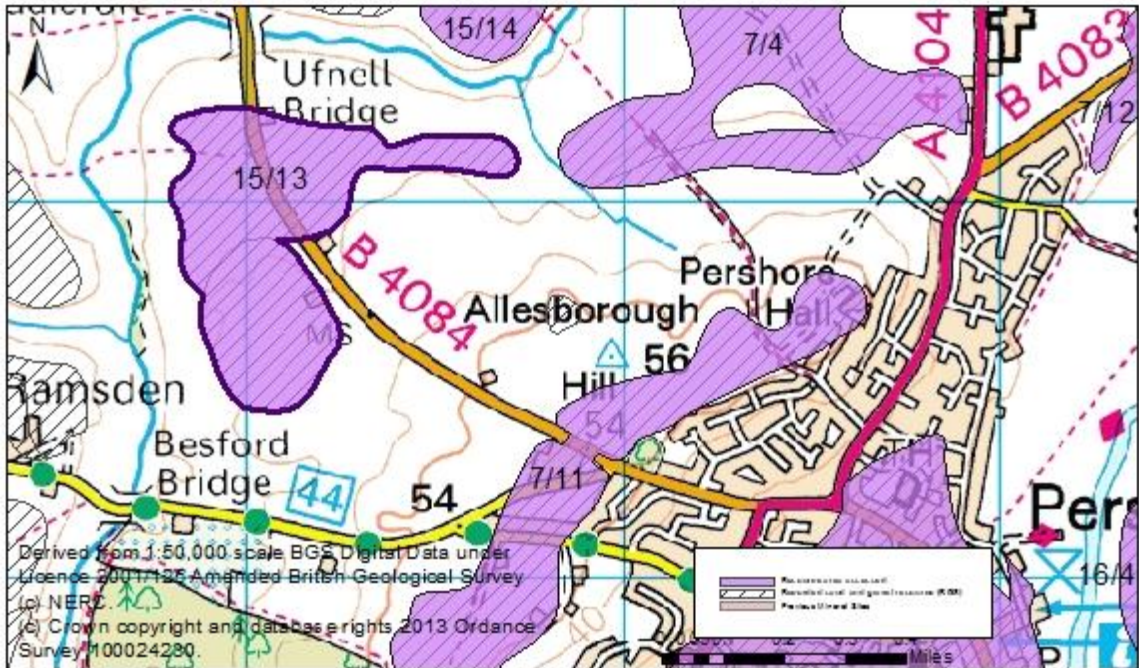
<b>Overview</b>	
<b>Resource number:</b>	15/10
<b>Resource name:</b>	Hazel Farm
<b>Resource area:</b>	12ha
<b>Resource depth:</b>	Estimated 2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 94 NW
<b>National grid ref:</b>	392316, 249272
	
<b>Resource description:</b>	
<b>Resource description:</b>	<p>3<sup>rd</sup> terrace (New Inn) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick.</p> <p>There is no more detailed local information on depths available.</p> <p>(Estimated resource depth based on BGS memoir estimate of 2m)</p>
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small deposit with a railway line at the northern end but no built development in the southern portion of the resource area.
<b>Crude estimate of resource:</b>	<p>Area: 12ha x average depth: 2m / 2</p> <p>Estimated resource volume: 120,000m<sup>3</sup></p> <p><b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 240,000 tonnes</b></p>
<b>Conclusion:</b>	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.</p> <p>Not for consideration in defining areas of search.</p>
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	<p>Area: 12ha x average depth: 2m / 2</p> <p>Estimated resource volume: 120,000m<sup>3</sup></p> <p><b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 198,000 tonnes</b></p>
<b>Conclusion:</b>	Not significant.

<b>Overview</b>	
<b>Resource number:</b>	15/11
<b>Resource name:</b>	Mill Lane
<b>Resource area:</b>	17ha
<b>Resource depth:</b>	Estimated 2m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 94 NW
<b>National grid ref:</b>	392232, 248449
	
<b>Resource description:</b>	
<b>Resource description:</b>	<p>4<sup>th</sup> terrace (Ailstone) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick.</p> <p>There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small deposit with development across the centre of the resource area.
<b>Crude estimate of resource:</b>	<p>Area: 17ha x average depth: 2m x 0.5          Estimated resource volume: 170,000m<sup>3</sup>  <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 370,000 tonnes</b></p>
<b>Conclusion:</b>	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.          Not for consideration in defining areas of search.</p>
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	<p>Area: 17ha x average depth: 2m x 0.5          Estimated resource volume: 170,000m<sup>3</sup>  <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 305,250 tonnes</b></p>
<b>Conclusion:</b>	Not significant.



<b>Overview</b>		
<b>Resource number:</b>	15/12	
<b>Resource name:</b>	East of Drakes Broughton	
<b>Resource area:</b>	14ha	
<b>Resource depth:</b>	Estimated 2m	
<b>Location</b>		
<b>OS sheet reference:</b>	SO 94 NW	
<b>National grid ref:</b>	393635, 248771	
<b>Resource description:</b>		
<b>Resource description:</b>	<p>2<sup>nd</sup> terrace (Wasperton) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource depth based on BGS memoir estimate of 2m)</p>	
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>		
<b>Commentary:</b>	A small resource area intersected by a railway line.	
<b>Crude estimate of resource:</b>	Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m <sup>3</sup> <b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 280,000 tonnes</b>	
<b>Conclusion:</b>	Not significant: Small deposit with less than 300,000m <sup>3</sup> . Not for consideration in defining areas of search.	
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>		
<b>Revised estimate of resource:</b>	Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 231,000 tonnes</b>	
<b>Conclusion:</b>	Not significant.	



<b>Overview</b>	
<b>Resource number:</b>	15/13
<b>Resource name:</b>	Ufnell Bridge
<b>Resource area:</b>	32ha
<b>Resource depth:</b>	Estimated 3.1m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 94 NW
<b>National grid ref:</b>	393092, 246910
	
<b>Resource description:</b>	
<b>Resource description:</b>	<p>2<sup>nd</sup> terrace (Wasperton) and 3<sup>rd</sup> terrace (New Inn) sand and gravel (approximately two thirds 2<sup>nd</sup> terrace, one third 3<sup>rd</sup> terrace). The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick.</p> <p>However, more detailed local information is available for the 2<sup>nd</sup> terrace. One borehole at Defford, to the south west of this resource area, found 3.7m of sand and gravel beneath 1.2m of overburden. In gravel pits in the 2<sup>nd</sup> terrace at Lower Moor, to the east of this resource area, from 2.4-4.6m of sand with gravelly layers were exposed.</p> <p>(Estimated resource depth based on mean average of a) BGS memoir estimate of 2m, b) borehole at Defford 3.7m and c) Median average of gravel pits at Lower Moor (2.4m to 4.6m = 3.5m) = 3.1m)</p>
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small resource area intersected by a road but with no other built development in the resource area.
<b>Crude estimate of resource:</b>	<p>Area: 32ha x average depth: 3.1m / 2</p> <p>Estimated resource volume: 496,000m<sup>3</sup></p> <p><b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 992,000 tonnes</b></p>

<b>Conclusion:</b>	Significant. Consider in defining areas of search.
<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	Area: 32ha x average depth: 3.1m / 2 Estimated resource volume: 496,000m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 818,400 tonnes</b>
<b>Conclusion:</b>	Significant.

<b>Overview</b>	
<b>Resource number:</b>	15/14
<b>Resource name:</b>	Broughton Farm
<b>Resource area:</b>	13ha
<b>Resource depth:</b>	Estimated 3.1m
<b>Location</b>	
<b>OS sheet reference:</b>	SO 94 NW
<b>National grid ref:</b>	393685, 247636
<b>Resource description:</b>	
<b>Resource description:</b>	<p>2<sup>nd</sup> terrace (Wasperton) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and Avon) are correlated. The deposits are all predominantly pebbly sand, the pebbles mainly being derived from the Kidderminster formation, together with a few local Penarth group and Jurassic lithologies. All of the Bow Brook terrace deposits are estimated to be up to 2m thick.</p> <p>However, more detailed local information is available for the 2<sup>nd</sup> terrace. One borehole at Defford, to the south west of this resource area, found 3.7m of sand and gravel beneath 1.2m of overburden. In gravel pits in the 2<sup>nd</sup> terrace at Lower Moor, to the east of this resource area, from 2.4-4.6m of sand with gravelly layers were exposed.</p> <p>(Estimated resource depth based on mean average of a) BGS memoir estimate of 2m, b) borehole at Defford 3.7m and c) Median average of gravel pits at Lower Moor (2.4m to 4.6m = 3.5m) = 3.1m)</p>
<b>Assessment of resource for the second consultation on MLP (Autumn 2013)</b>	
<b>Commentary:</b>	A small deposit with no built development in the resource area.
<b>Crude estimate of resource:</b>	<p>Area: 13ha x average depth: 3.1m / 2</p> <p>Estimated resource: 201,500m<sup>3</sup></p> <p><b>Estimated resource tonnage (at 2 t/m<sup>3</sup>): 403,000 tonnes</b></p>
<b>Conclusion:</b>	<p>Not significant: Small deposit with less than 300,000m<sup>3</sup>.</p> <p>Not for consideration in defining areas of search.</p>



<b>Assessment of resource for the Third Stage consultation on MLP (Spring 2015)</b>	
<b>Revised estimate of resource:</b>	Area: 13ha x average depth: 3.1m / 2 Estimated resource: 201,500m <sup>3</sup> <b>Estimated resource tonnage (at 1.65 t/m<sup>3</sup>): 332,475 tonnes</b>
<b>Conclusion:</b>	Not significant.