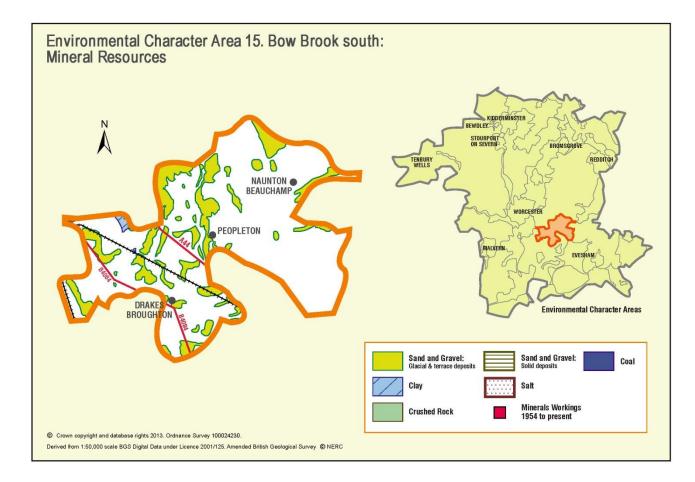
Appendix 15: Analysis of aggregate resources in ECA 15: Bow Brook South



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	Second Stage Consultation		Third Stage Consultation	sultation
number*	Original estimated resource	Significance	Revised estimate of resource	Significance
	tonnage (2 tonnes/m ³)		tonnage (1.65 tonnes/m ³)	
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

Overview		4/20 5 15/0
Resource number: Resource name: Resource area: Resource depth: Location OS sheet reference: National grid ref:	15/1 White Ladies Aston 132 ha Estimated 2m SO 95 SW 392241, 252412	Hair source of the second seco
Resource description:		
Resource description:	4 th 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)	
Assessment of resourc	•	Itation on MLP (Autumn 2013)
Commentary:		it with small-scale dispersed development across the resource area, including the
Crude estimate of resource:	Area: 132 ha x average depth: 2m / 2 Estimated resource volume: 1,320,000m ³ . Estimated resource tonnage (at 2 t/m ³): 2,640,000 tonnes	
Conclusion:	Significant – key resour Use to define areas of s	rce.
Assessment of resourc	e for the Third Stage co	onsultation on MLP (Spring 2015)
Revised estimate of resource:	Area: 132 ha x average Estimated resource vol	e depth: 2m / 2
Conclusion:	Significant.	

Overview	Mucknell Egdon 5/1 (3)		
Resource number:	15/2 Egdon 15/7 47		
Resource name:	Windmill Hill		
Resource area:	54ha Wolverton Kartan Wolverton France		
Resource depth:	Estimated 2m		
Location	7/13 97 3 2 15/5		
OS sheet reference:	SO 95 SW, SO 94 NW		
National grid ref:	391741, 249816		
Resource description:			
Resource description:	4 th 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)		
Assessment of resourc	e for the second consultation on MLP (Autumn 2013)		
Commentary:	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.		
Crude estimate of	Area: 54 ha x average depth: 2m / 2		
resource:	Estimated resource volume: 540,000m ³		
	Estimated resource tonnage (at 2 t/m ³): 1,080,000 tonnes		
Conclusion:	Significant.		
	Consider in defining areas of search.		
Assessment of resourc	e for the Third Stage consultation on MLP (Spring 2015)		
Revised estimate of	Area: 54 ha x average depth: 2m / 2		
resource:	Estimated resource volume: 540,000m ³		
	Estimated resource tonnage (at 1.65 t/m³): 891,000 tonnes		
Conclusion:	Significant.		

Overview			
Resource number: Resource name: Resource area: Resource depth: Location OS sheet reference: National grid ref:	15/3 Upper Wolverton 11 ha Estimated 2m SO 95 SW 391289, 250961	N 15/1 15/1 15/1 15/1 15/1 15/1 15/1 15/2 15/2 15/9 15/5	
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	ce for the second consultation on MLP (Autumn 2013)		
Commentary:	A small resource area	a with little built development.	
Crude estimate of	Area: 11 ha x average		
resource:	Estimated resource v		
	Estimated resource tonnage (at 2 t/m³): 220,000 tonnes		
Conclusion:	Not significant: Small deposit with less than 300,000m ³ .		
	Not for consideration in defining areas of search.		
		consultation on MLP (Spring 2015)	
Revised estimate of	Area: 11 ha x average		
resource:	Estimated resource v		
Canalusian		tonnage (at 1.65 t/m³): 181,500 tonnes	
Conclusion:	Not significant.		

Overview			
Resource number:	15/4	4/212/	
Resource name:	East of the Bow Brook	Sneschall287 Al22	
Resource area:	92 ha	The second secon	
Resource depth:	Estimated 2m	Brickles ins A Fin Avenue avenue The State of the State o	
Location		Alen a light of the standard and the stand	
OS sheet reference: National grid ref:	SO 95 SW, SO 94 NW 393684, 251585	The second secon	
		15/2 + 5/2 + 5/2 + 5/2 + 5/2 + 4 + + + + + + + + + + + + + + + + +	
Resource description:			
Resource description:	valley of the Bow Brook.	sand and gravel. The BGS memoir states that there is a suite of five terraces in the 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.		
A	· · ·	th based on BGS memoir estimate of 2m)	
-		ation on MLP (Autumn 2013)	
Commentary:	-	with part of the village of Peopleton towards the southern end of the resource area	
Crude estimate of	Area: 92 ha x average de	ed development across the resource area.	
resource:	Estimated resource volu		
		nnage (at 2 t/m ³): 1,840,000 tonnes	
Conclusion:	Significant.		
	Consider in defining area	as of search.	
Assessment of resource		nsultation on MLP (Spring 2015)	
Revised estimate of	Area: 92 ha x average de		
resource:	Estimated resource volu	me: 920.000m ³ .	
		nnage (at 1.65 t/m ³): 1,518,000 tonnes	
Conclusion:	Significant.		

Overview		
Resource number: Resource name: Resource area: Resource depth: Location OS sheet reference: National grid ref:	15/5 Wolverton Farm 19ha Estimated 2m SO 95 SW 393121, 250536	N42 PH 15/1 WY Index Lower 15/4 Peopleton Index Volverton 15/4 Peopleton Index 15/9 15/5 Index Index Index 15/5 Index Index Index Index Index
Resource description:		
Resource description:	2 nd 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	ce for the second consu	Iltation on MLP (Autumn 2013)
Commentary: Crude estimate of resource:	A small deposit with small-scale development in the western half of the resource area. Area: 19 ha x average depth: 2m x 0.5 Estimated resource volume: 190,000m ³ Estimated resource tonnage (at 2 t/m ³): 380,000 tonnes	
Conclusion:	Not significant: Small de	eposit with less than 300,000m ³ . defining areas of search.
Assessment of resource	ce for the Third Stage co	onsultation on MLP (Spring 2015)
Revised estimate of resource:	Area: 19 ha x average depth: 2m x 0.5 Estimated resource volume: 190,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 313,500 tonnes	
Conclusion:	Not significant.	

Overview		Homolebec a and	
Resource number:	15/6	Hall Hall	
Resource name:	Frog Hall Farm	Snodsbury IP	
Resource area:	81 ha		
Resource depth:	Estimated 2m	Piddle	
Location		PH Lower Church	
OS sheet reference: National grid ref:	SO 95 SE 395613, 253656	4/20 Hall Em Hall Em H	
Resource description:			
Resource description:	1 st terrace (Bretford) sa	nd and gravel. The BGS memoir states that there is a suite of five terraces in the valley	
		Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow prrelated. 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		tation on MLP (Autumn 2013)	
Commentary:	A medium-sized deposi	t with small-scale dispersed development across the resource area.	
Crude estimate of	Area: 81 ha x average o	depth: 2m / 2	
resource:	Estimated resource volu		
	Estimated resource tonnage (at 2 t/m ³): 1,620,000 tonnes		
Conclusion:	Significant.		
	Consider in defining are	eas of search.	
Assessment of resource	e for the Third Stage co	nsultation on MLP (Spring 2015)	
Revised estimate of	Area: 81 ha x average o		
resource:	Estimated resource volu	ume: 810,000m ³	
		nnage (at 1.65 t/m³): 1,336,500 tonnes	
Conclusion:	Significant.	* *	

Overview			
Resource number:	15/7	N N	
Resource name:	South of Cowsden	A Cowsden	
Resource area:	10 ha	15/6	
Resource depth:	Estimated 2m	Frog Hall	
Location		4/20	
OS sheet reference: National grid ref:	SO 95 SW, SO 95 SE 295233, 252730	15/4 sden Fm Fm Berived from 1:50,000 scale BGS Digital Data under Joence 2001/125 Amended British Geological Survey IN NERC G Crown copyright skib // stabase rights 2013 Ordance Survey 100024230.	
Resource description:			
Resource description:	1 st terrace (Bretford) sa	nd 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)		
		Iltation on MLP (Autumn 2013)	
Commentary:		built development in the resource area.	
Crude estimate of	Area: 10 ha x average		
resource:	Estimated resource vol		
	Estimated resource tonnage (at 2 t/m ³): 200,000 tonnes		
Conclusion:		eposit with less than 300,000m ³ .	
	Not for consideration in defining areas of search.		
		onsultation on MLP (Spring 2015)	
Revised estimate of	Area: 10 ha x average		
resource:	Estimated resource vol		
		onnage (at 1.65 t/m³): 165,000 tonnes	
Conclusion:	Not significant.		

Overview		
Resource number:	15/8	Tiaunton
Resource name:	Springfield Farm	Court A :
Resource area:	11 ha	
Resource depth:	Estimated 2m	
Location		
OS sheet reference: National grid ref:	SO 95 SW 394526, 251670	15/4 Delived Adm 1: 50,000 spisle 90 S Digitally atal Inder Licency 2001/125 Amerided British Geological Survey (e) MERO (e) Crown copylight and discosse upon 2015 Chance Survey Torrested 2015 Chance Survey Tor
Resource description:		
Resource description:	of the Bow Brook. The B Brook and Avon) are con derived from the Kidderr of the Bow Brook terrace There is no more detaile	and and gravel. The BGS memoir states that there is a suite of five terraces in the valley sow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow rrelated. The deposits are all predominantly pebbly sand, the pebbles mainly being minster formation, together with a few local Penarth group and Jurassic lithologies. All e deposits are estimated to be up to 2m thick. ad local information on depths available. both based on BGS memoir estimate of 2m)
		tation on MLP (Autumn 2013)
Commentary:		puilt development in the resource area.
Crude estimate of	Area: 11ha x average de	
resource:	Estimated resource: 110,000m ³ Estimated resource tonnage (at 2 t/m ³): 220,000 tonnes	
Conclusion:	Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search.	
Assessment of resource		nsultation on MLP (Spring 2015)
Revised estimate of	Area: 11ha x average de	
resource:	Estimated resource: 110,000m ³	
		nnage (at 1.65 t/m³): 181,500 tonnes
Conclusion:	Not significant.	
	<u> </u>	

Overview				
Overview Resource number: Resource name: Resource area: Resource depth: Location OS sheet reference: National grid ref:	15/9 Breach Farm 14ha Estimated 2m SO 95 SW <from gis=""></from>	LOWEI		
Resource description:	Survey, 1000	byright and database right 2043 Ordan da 5/10 0 0		
Resource description:	3 rd terrace (New Inn) sand and gray	el. 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 resourc	ssessment of resource for the second consultation on MLP (Autumn 2013)			
Commentary:	A small deposit with small-scale dis	persed development across the resource area.		
Crude estimate of resource:	Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m ³ Estimated resource tonnage (at 2 t/m ³): 280,000 tonnes			
Conclusion:	Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search.			
Assessment of resource	e for the Third Stage consultation	on MLP (Spring 2015)		
Revised estimate of resource:	Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 231,000 tonnes			
Conclusion:	Not significant.			
	-			

Overview	N (15/4) 15/4		
Resource number:	15/10 15/2 15/2 FT5/9 Fm		
Resource name:	Hazel Farm		
Resource area:	12ha		
Resource depth:	Estimated 2m		
Location			
OS sheet reference:	SO 94 NW		
National grid ref:	392316, 249272 Windp 15/2 5		
	Stonebow		
	IN MENT ARE I AVENING		
	MS MS		
	Derived from 1:50,000 scale BGS Digital Date and PH		
	(c) proven bopyright and att bas erights 20/13 st dende /11 Sun (100024230.		
Resource description:			
Resource description:	3 rd terrace (New Inn) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley		
Resource description.	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 resourc	ce for the second consultation on MLP (Autumn 2013)		
Commentary:	A small deposit with a railway line at the northern end but no built development in the southern portion of the		
	resource area.		
Crude estimate of	Area: 12ha x average depth: 2m / 2		
resource:	Estimated resource volume: 120,000m ³		
	Estimated resource tonnage (at 2 t/m ³): 240,000 tonnes		
Conclusion:	Not significant: Small deposit with less than 300,000m ³ .		
	Not for consideration in defining areas of search.		
	e for the Third Stage consultation on MLP (Spring 2015)		
Revised estimate of	Area: 12ha x average depth: 2m / 2		
resource:	Estimated resource volume: 120,000m ³		
	Estimated resource tonnage (at 1.65 t/m ³): 198,000 tonnes		
Conclusion:	Not significant.		

Resource number: 15/11 Resource depth: Estimated 2m Location OS sheet reference: SO 94 NW National grid ref: 392/32, 248449 Resource description: Resource for the Stid description on MLP (Autumn 2013) Commentary: A small deposit with development across the centre of the resource area. Crude estimated of Revised estimate of Area: 17ha x average depth: 2m x 0.5 Revised estimate of Revised estimate of Revised estimate of Revised estimate of Resource: Estimated resource volume: 170.000m ³ Estimated resource volume: 170.000m ³ Revised estimate of	Overview		Stonebow	
Resource name: Mill Lane Resource name: Mill Lane Resource depth: Estimated 2m Location OS sheet reference: SO 94 NW National grid ref: 392232, 248449 National grid ref: 392232, 248449 Resource description: Resource depth based on BGS memoir estimate of the pebbles mainly being derived from the Kidderminster formation on depths available. (Estimated resource depth based on BGS memoir estimate of 2m) Assessment of resource for the second consultation on MLP (Autumn 2013) Commentary: A small deposit with less than 300,000m ³ . Not is significant: Small deposit with less than 300,000m ³ . Not is consideration in defining areas of search. Assessment of resource for the Escource volume: 170,000m ³ Estimated resource volu	Resource number:	15/11		
Resource depth: Estimated 2m Location So Sheet reference: SO 94 NW National grid ref: 392232, 248449 Caldewell PH National grid ref: 392232, 248449 Resource description: Resource description: Resource description: 4 th terrace (Allstone) 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 Kiddeminister formation, together with a few local Penath 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) Commentary: A small deposit with development across the centre of the resource area. Crude estimated of resource or volume: 170,000m ³ Estimated resource or volume: 170,000m ³ Estimated resource toron. Estimated reso	Resource name:	Mill Lane		
Location OS sheet reference: SO 94 NW National grid ref: 392232, 248449 Very Matrix 10 00 scale, RGS Deglar Data Uper Unit 10 00	Resource area:	17ha	15/10 09 00	
Location OS sheet reference: SO 94 NW 392232, 248449 Location Wational grid ref: 392232, 248449 Resource description: Resource description: Resource description: 4 th 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 stimated to be up to 2m thick. There is no more detailed local information on depths available. (Estimated resource explores the second consultation on MLP (Autumn 2013) Commentary: A small deposit with development across the centre of the resource area. Crude estimated of resource or nonage (at 2 10 th); 37,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Stage consultation on MLP (Spring 2015) Revised estimate of Area: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource volume: 100,000m ³ Estimated resource or nonage (at 1.65 t/m ³); 305,250 tonnes	Resource depth:	Estimated 2m		
OS sheet reference: S0 94 NW National grid ref: 392232, 248449 Image: Superscription: A th terrace (Allstone) 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 Penant 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) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource for the second consultation on MLP (Autumn 2013) Commentary: A small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the second consultation on MLP (Spring 2015) Revised estimate of resource for the resource area of resource area of resource of consideration in defining areas of search. Assessment of resource for the second consultation on MLP (Spring 2015) Revised estimate of resource torus that an 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³			Piprake acus	
Resource description: 4 th 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) Assessment of resource for the second consultation on MLP (Autumn 2013) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource tor use acounce volume: 170,000m ³ Estimated resource toronage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource tornage (at 1.65 t/m ³): 305,250 tonnes	OS sheet reference: National grid ref:	392232, 248449	Broug Br	
Resource description: 4 th 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) Assessment of resource for the second consultation on MLP (Autumn 2013) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource tor use acounce volume: 170,000m ³ Estimated resource toronage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource tornage (at 1.65 t/m ³): 305,250 tonnes	Resource description:			
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) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource tor the second consultation on MLP (Autumn 2013) Conclusion: A small deposit with development across the centre of the resource area. Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Area: 17ha x average depth: 2m x 0.5 Revised estimate of resource volume: 170,000m ³ Area: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³		4 th terrace (Ailstone) sand and gravel. The BGS r	memoir states that there is a suite of five terraces in the valley	
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)Commentary:A small deposit with development across the centre of the resource area.Crude estimate of resource:Area: 17ha x average depth: 2m x 0.5 Estimated resource tornage (at 2 t/m ³): 370,000 tonnesConclusion:Not significant: Small deposit with less than 300,000m ³ . 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tornage (at 1.65 t/m ³): 305,250 tonnes				
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) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource in the second consultation on MLP (Autumn 2013) Conduction in the Kiddermine across the centre of the resource area. Crude estimate of resource in the second consultation on MLP (Autumn 2013) Conclusion: Area: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes				
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) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource: A rea: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes		<i>, , , ,</i>		
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) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource: Farea: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³				
(Estimated resource depth based on BGS memoir estimate of 2m) Assessment of resource for the second consultation on MLP (Autumn 2013) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of resource: Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource volume: 170,000m ³		•	•	
Assessment of resource for the second consultation on MLP (Autumn 2013) Commentary: A small deposit with development across the centre of the resource area. Crude estimate of Area: 17ha x average depth: 2m x 0.5 resource: Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes				
Crude estimate of resource Area: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource volume: 170,000m ³ Estimated resource volume: 170,000m ³	Assessment of resourc	•	•	
resource: Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m ³): 370,000 tonnes Conclusion: Not significant: Small deposit with less than 300,000m ³ . 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes	Commentary:	A small deposit with development across the cen	tre of the resource area.	
Estimated resource tonnage (at 2 t/m³): 370,000 tonnesConclusion:Not significant: Small deposit with less than 300,000m³. 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m³ Estimated resource tonnage (at 1.65 t/m³): 305,250 tonnes	Crude estimate of	Area: 17ha x average depth: 2m x 0.5		
Conclusion: Not significant: Small deposit with less than 300,000m ³ . 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes	resource:	Estimated resource volume: 170,000m ³		
Conclusion: Not significant: Small deposit with less than 300,000m ³ . 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: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes		Estimated resource tonnage (at 2 t/m ³): 370,00	00 tonnes	
Not for consideration in defining areas of search. Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource in the transformation of the transformation on transformation on transformation on the transformation on transformation on the transformation on transformation on the transformation on trans	Conclusion:			
Assessment of resource for the Third Stage consultation on MLP (Spring 2015) Revised estimate of resource in the transformation on the structure of the		•		
resource: Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes	Assessment of resourc			
resource: Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes	Revised estimate of			
Estimated resource tonnage (at 1.65 t/m ³): 305,250 tonnes	resource:			
			5,250 tonnes	
	Conclusion:		·	

Overview			
Resource number:	15/12		
Resource name:	East of Drakes		
	Broughton		
Resource area:	14ha Stonebow		
Resource depth:	Estimated 2m		
Location			
OS sheet reference:	SO 94 NW 7/3		
National grid ref:	393635, 248771		
Resource description:			
Resource description:	2 nd 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 resourc	ce for the second consultation on MLP (Autumn 2013)		
Commentary:	A small resource area intersected by a railway line.		
Crude estimate of	Area: 14ha x average depth: 2m / 2		
resource:	Estimated resource volume: 140,000m ³		
	Estimated resource tonnage (at 2 t/m ³): 280,000 tonnes		
Conclusion:	Not significant: Small deposit with less than 300,000m ³ .		
	Not for consideration in defining areas of search.		
Assessment of resource for the Third Stage consultation on MLP (Spring 2015)			
Revised estimate of	Area: 14ha x average depth: 2m / 2		
	Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m ³		
Revised estimate of			

Overview		
Resource number: Resource name: Resource area: Resource depth: Location OS sheet reference: National grid ref:	15/13 Ufnell Bridge 32ha Estimated 3.1m SO 94 NW 393092, 246910	15/14 Ufnell Bridge 15/13 Pershore Pershore Hit 56 Hit 50 100 50,000 Spale BCD Differ 0 sta under Hit 50 100 100 100 100 100 100 100
Resource description:		
Resource description:	 2nd terrace (Wasperton) and 3rd terrace (New Inn) sand and gravel (approximately two thirds 2nd terrace, one third 3rd 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. However, more detailed local information is available for the 2nd 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 2nd terrace at Lower Moor, to the east of this resource area, from 2.4-4.6m of sand with gravelly layers were exposed. (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) 	
Assessment of resourc		Itation on MLP (Autumn 2013)
Commentary:		ntersected by a road but with no other built development in the resource area.
Crude estimate of resource:	Area: 32ha x average c Estimated resource vol	lepth: 3.1m / 2

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

Overview		
Resource number: Resource name: Resource area: Resource depth: Location OS sheet reference: National grid ref:	15/14 Broughton Farm 13ha Estimated 3.1m SO 94 NW 393685, 247636 Caddic roft Fm Ufnell Bridge Def Ved from 150,000 spels BGS Digital Data Under Useries 2001/125 Americad Bridgh Usbological Survey (e) WERD Ceptor obyright and blabble Usbological Survey (e) WERD Cappor obyright and blabble Usbological Survey (e) WERD Cappor obyright and blabble Usbological Survey (e) WERD Cappor obyright and blabble Usbological Survey (e) WERD	
Resource description:		
Resource description:	 2nd 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. However, more detailed local information is available for the 2nd 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 2nd terrace at Lower Moor, to the east of this resource area, from 2.4-4.6m of sand with gravelly layers were exposed. (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)	
	ce for the second consultation on MLP (Autumn 2013)	
Commentary:	A small deposit with no built development in the resource area.	
Crude estimate of	Area: 13ha x average depth: 3.1m / 2	
resource:	Estimated resource: 201,500m ³	
	Estimated resource tonnage (at 2 t/m ³): 403,000 tonnes	
Conclusion:	Not significant: Small deposit with less than 300,000m ³ .	
	Not for consideration in defining areas of search.	

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