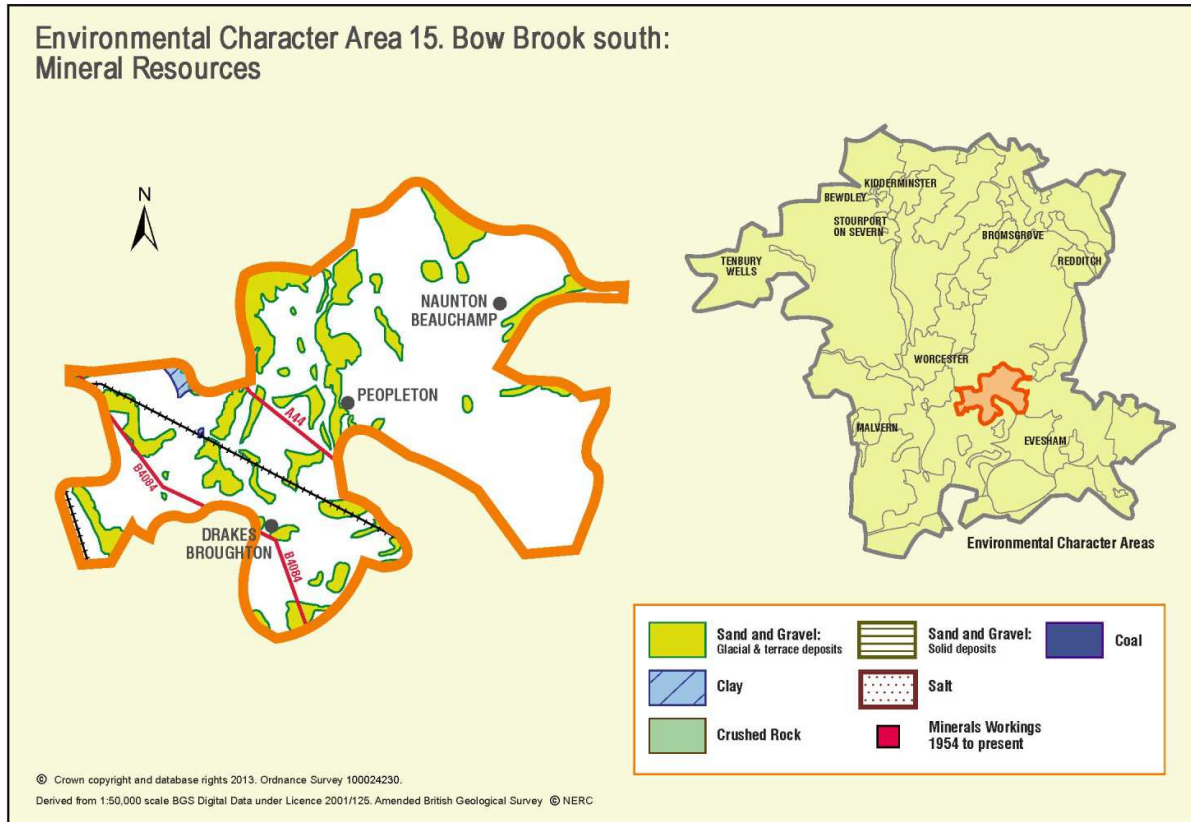


Appendix 15: Analysis of aggregate resources in ECA 15: Bow Brook South



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

Sand and gravel

There are 17 resource areas identified for sand and gravel in Bow Brook South ECA:

- Key: 1
- Significant: 4
- Not significant: 9
- Compromised: 3

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:

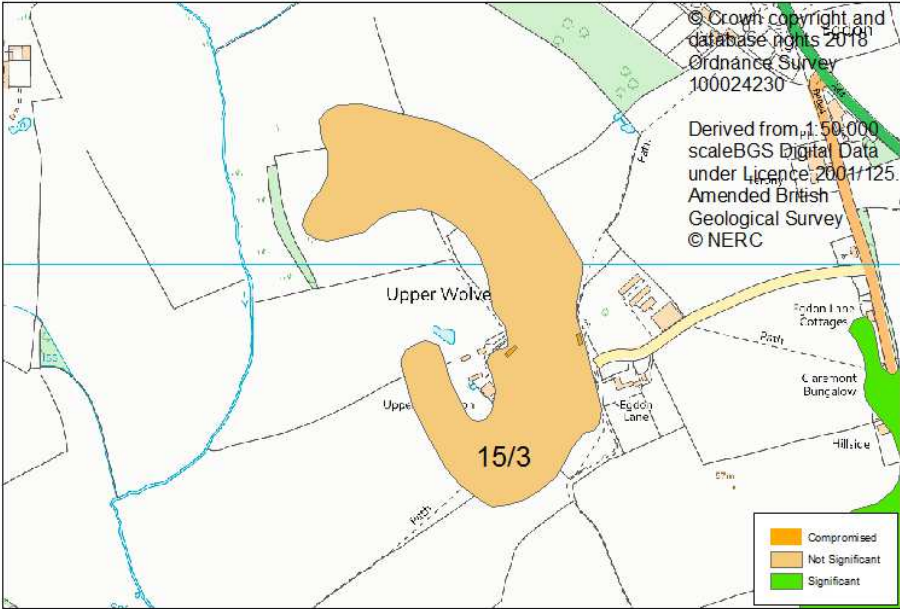
| Resource number* | Second Stage Consultation | | Third Stage Consultation | | Fourth Stage Consultation | | |
|------------------|--|-----------------|--|-----------------|---|--|-------------|
| | Original estimated resource tonnage (2 tonnes/m ³) | Significance | Revised estimate of resource tonnage (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 |
| 15/1 | 2,640,000 | Key | 2,178,000 | Key | 15/1 | 2,112,000 | Key |
| | | | | | 15/1b | | Compromised |
| 15/2 | 1,080,000 | Significant | 891,000 | Significant | 15/2 | 891,000 | Significant |
| | | | | | 15/2b | | Compromised |
| 15/3 | 220,000 | Not significant | 181,500 | Not significant | Not reassessed | | |
| 15/4 | 1,840,000 | Significant | 1,518,000 | Significant | 15/4 | 1,452,000 | Significant |
| | | | | | 15/4b | | Compromised |
| 15/5 | 380,000 | Not significant | 313,500 | Not significant | Not reassessed | | |
| 15/6 | 1,620,000 | Significant | 1,336,500 | Significant | | 1,336,500 | Significant |
| 15/7 | 200,000 | Not significant | 165,000 | Not significant | Not reassessed | | |
| 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 | | 818,400 | Significant |
| 15/14 | 403,000 | Not significant | 332,475 | Not significant | Not reassessed | | |

| | |
|---|---|
| Overview | |
| Resource number: | 15/1 |
| Resource name: | White Ladies Aston |
| Resource area: | 132 ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 95 SW |
| National grid ref: | 392241, 252412 |
| | |
| 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 resource for the second consultation on MLP (Autumn 2013) | |
| Commentary: | A medium-sized deposit with small-scale dispersed development across the resource area, including the hamlet of White Ladies Aston. |
| 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/m³): 2,640,000 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: 132 ha x average depth: 2m / 2 Estimated resource volume: 1,320,000m ³ Estimated resource tonnage (at 1.65 t/m³): 2,178,000 tonnes |
| Conclusion: | Significant. |

| Assessment of resource for the Fourth Stage consultation on MLP (August 2018) | | | |
|--|---|----------------------------|---|
| This resource area has been split into areas 15/1 and 15/1b. | | | |
| Resource area 15/1 | | Resource area 15/1b | |
| Resource area: | 128 ha | Commentary: | Screened out due to the following appendix A criterion: <ul style="list-style-type: none"> - Listed Buildings - Settlement boundary |
| Resource depth: | Estimated 2m | | |
| Revised estimate of resource: | Area: 128 ha x average depth: 2m ÷ 2 Estimated resource volume: 1,280,000m ³ Estimated resource tonnage (at 1.65 t/m³): 2,112,000 tonnes | | |
| Conclusion: | Key resource | Conclusion: | Compromised |

| | |
|---|--|
| Overview | |
| Resource number: | 15/2 |
| Resource name: | Windmill Hill |
| Resource area: | 54ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 95 SW, SO 94 NW |
| National grid ref: | 391741, 249816 |
| | |
| Resource description: | |
| Resource description: | <p>4th 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> |
| Assessment of resource 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 resource: | <p>Area: 54 ha x average depth: 2m / 2</p> <p>Estimated resource volume: 540,000m³</p> <p>Estimated resource tonnage (at 2 t/m³): 1,080,000 tonnes</p> |
| Conclusion: | <p>Significant.</p> <p>Consider in defining areas of search.</p> |
| Assessment of resource for the Third Stage consultation on MLP (Spring 2015) | |
| Revised estimate of resource: | <p>Area: 54 ha x average depth: 2m / 2</p> <p>Estimated resource volume: 540,000m³</p> <p>Estimated resource tonnage (at 1.65 t/m³): 891,000 tonnes</p> |
| Conclusion: | Significant. |

| Assessment of resource for the Fourth Stage consultation on MLP (August 2018) | | | |
|--|--|----------------------------|---|
| This resource area has been split into areas 15/2 and 15/2b. | | | |
| Resource area 15/2 | | Resource area 15/2b | |
| Resource area: | 54 ha | Commentary: | Screened out due to the following appendix A criterion: - Listed Buildings |
| Resource depth: | Estimated 2m | | |
| Revised estimate of resource: | Area: 54 ha x average depth: 2m / 2 Estimated resource volume: 540,000m ³ Estimated resource tonnage (at 1.65 t/m³): 891,000 tonnes | | |
| Conclusion: | Significant resource | Conclusion: | Compromised |

| | |
|---|--|
| 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 ³ . 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. |
| 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 ³ . Estimated resource tonnage (at 1.65 t/m³): 181,500 tonnes |
| 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 | |

| | |
|---|--|
| Overview | |
| Resource number: | 15/4 |
| Resource name: | East of the Bow Brook |
| Resource area: | 92 ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 95 SW, SO 94 NW |
| National grid ref: | 393684, 251585 |
| | |
| Resource description: | |
| Resource description: | <p>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. 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 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. |
| Crude estimate of resource: | <p>Area: 92 ha x average depth: 2m / 2 Estimated resource volume: 920,000m³. Estimated resource tonnage (at 2 t/m³): 1,840,000 tonnes</p> |
| Conclusion: | <p>Significant. Consider in defining areas of search.</p> |
| Assessment of resource for the Third Stage consultation on MLP (Spring 2015) | |
| Revised estimate of resource: | <p>Area: 92 ha x average depth: 2m / 2 Estimated resource volume: 920,000m³. Estimated resource tonnage (at 1.65 t/m³): 1,518,000 tonnes</p> |
| Conclusion: | Significant. |

| Assessment of resource for the Fourth Stage consultation on MLP (August 2018) | | | |
|--|---|----------------------------|--|
| This resource area has been split into areas 15/4 and 15/4b. | | | |
| Resource area 15/4 | | Resource area 15/4b | |
| Resource area: | 88 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 2m | | |
| Revised estimate of resource: | Area: 88 ha x average depth: 2m ÷ 2 Estimated resource volume: 880,000 m ³ Estimated resource tonnage (at 1.65 t/m³): 1,452,000 tonnes | | |
| Conclusion: | Significant resource | Conclusion: | Compromised |

| | |
|---|--|
| 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>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. 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: 190,000m³ Estimated resource tonnage (at 2 t/m³): 380,000 tonnes</p> |
| Conclusion: | <p>Not significant: Small deposit with less than 300,000m³. 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: 190,000m³ Estimated resource tonnage (at 1.65 t/m³): 313,500 tonnes</p> |
| 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

| | |
|---|---|
| Overview | |
| Resource number: | 15/6 |
| Resource name: | Frog Hall Farm |
| Resource area: | 81 ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 95 SE |
| National grid ref: | 395613, 253656 |
| | |
| Resource description: | |
| Resource description: | <p>1st 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 medium-sized deposit with small-scale dispersed development across the resource area. |
| Crude estimate of resource: | <p>Area: 81 ha x average depth: 2m / 2 Estimated resource volume: 810,000m³ Estimated resource tonnage (at 2 t/m³): 1,620,000 tonnes</p> |
| Conclusion: | <p>Significant. Consider in defining areas of search.</p> |
| Assessment of resource for the Third Stage consultation on MLP (Spring 2015) | |
| Revised estimate of | Area: 81 ha x average depth: 2m / 2 |

| | |
|--|---|
| resource: | Estimated resource volume: 810,000m ³ Estimated resource tonnage (at 1.65 t/m³): 1,336,500 tonnes |
| Conclusion: | Significant. |
| Assessment of resource for the Fourth Stage consultation on MLP (August 2018) | |
| Resource area: | 81 ha |
| Resource depth: | Estimated 2m |
| Revised estimate of resource: | Area: 81 ha x average depth: 2m / 2 Estimated resource volume: 810,000m ³ Estimated resource tonnage (at 2 t/m³): 1,620,000 tonnes |
| Conclusion: | Significant resource |

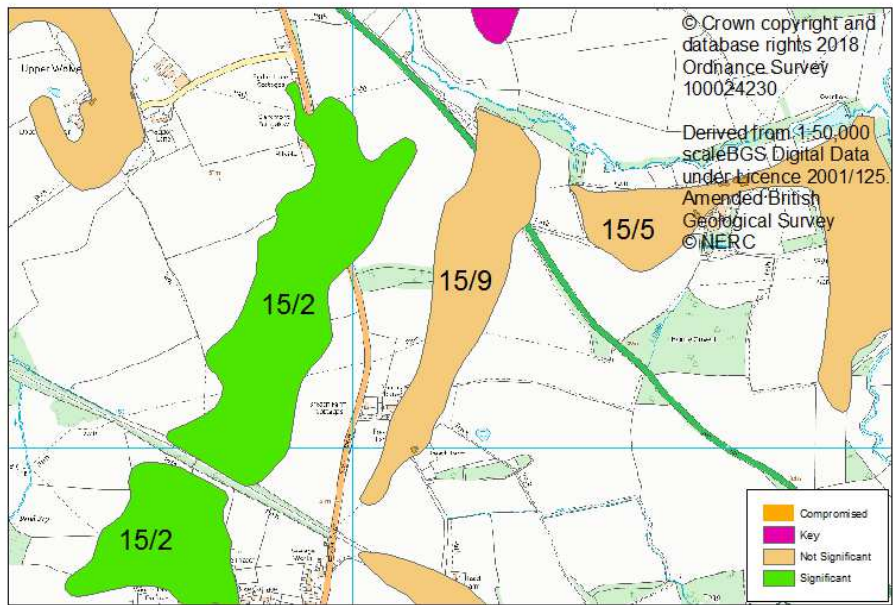
| | | |
|---|---|--|
| Overview | | |
| Resource number: | 15/7 | |
| Resource name: | South of Cowsden | |
| Resource area: | 10 ha | |
| Resource depth: | Estimated 2m | |
| Location | | |
| OS sheet reference: | SO 95 SW, SO 95 SE | |
| National grid ref: | 295233, 252730 | |
| Resource description: | | |
| Resource description: | <p>1st 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: | Area: 10 ha x average depth: 2m / 2 Estimated resource volume: 100,000m ³ Estimated resource tonnage (at 2 t/m³): 200,000 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: 10 ha x average depth: 2m / 2 Estimated resource volume: 100,000m ³ Estimated resource tonnage (at 1.65 t/m³): 165,000 tonnes | |
| 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

| | | |
|---|--|--|
| Overview | | <p>© Crown copyright and database rights 2018 Ordnance Survey 100024230</p> <p>Derived from 1:50,000 scale BGS Digital Data under Licence 2001/125. Amended British Geological Survey © NERC</p> <p>Legend: Not Significant Significant</p> |
| 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 | |
| Resource description: | | |
| Resource description: | <p>4th 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> | |
| 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: | Area: 11ha x average depth: 2m x 0.5 Estimated resource: 110,000m ³ 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. | |
| Assessment of resource for the Third Stage consultation on MLP (Spring 2015) | | |

| | |
|---|--|
| Revised estimate of resource: | Area: 11ha x average depth: 2m x 0.5 Estimated resource: 110,000m ³ Estimated resource tonnage (at 1.65 t/m³): 181,500 tonnes |
| 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 | |

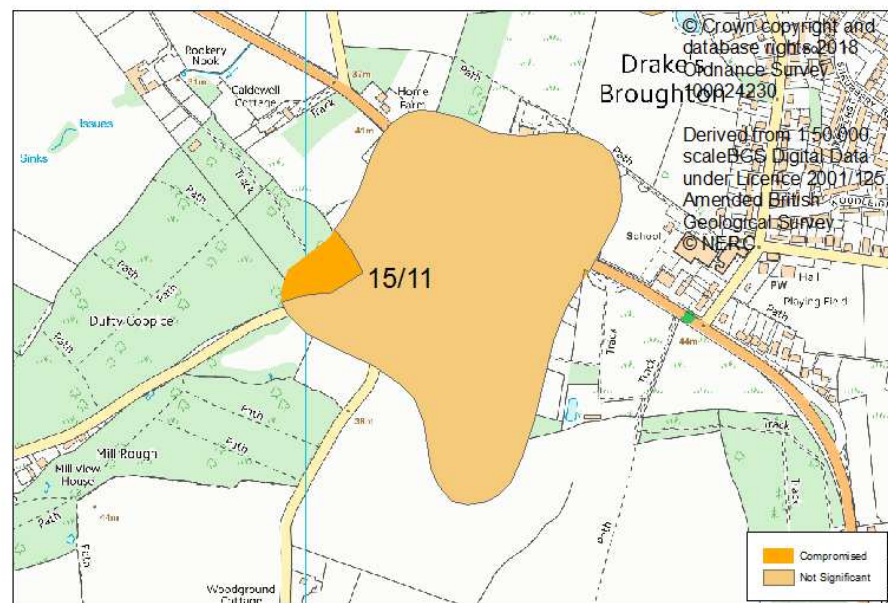
| | |
|---|--|
| Overview | |
| Resource number: | 15/9 |
| Resource name: | Breach Farm |
| Resource area: | 14ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 95 SW |
| National grid ref: | <from GIS> |
|  | |
| Resource description: | |
| Resource description: | 3 rd terrace (New Inn) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley 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 small-scale dispersed 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/m³): 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 resource: | Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m ³ Estimated resource tonnage (at 1.65 t/m³): 231,000 tonnes |
| 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 | |

| | |
|--|--|
| Overview | |
| Resource number: | 15/10 |
| Resource name: | Hazel Farm |
| Resource area: | 12ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 94 NW |
| National grid ref: | 392316, 249272 |
| | |
| 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 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 a railway line at the northern end but no built development in the southern portion of the resource area. |
| Crude estimate of resource: | Area: 12ha x average depth: 2m / 2 Estimated resource volume: 120,000m ³ Estimated resource tonnage (at 2 t/m³): 240,000 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: 12ha x average depth: 2m / 2 Estimated resource volume: 120,000m ³ Estimated resource tonnage (at 1.65 t/m³): 198,000 tonnes |
| 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 | |

| | |
|----------------------------|----------------|
| Overview | |
| Resource number: | 15/11 |
| Resource name: | Mill Lane |
| Resource area: | 17ha |
| Resource depth: | Estimated 2m |
| Location | |
| OS sheet reference: | SO 94 NW |
| National grid ref: | 392232, 248449 |

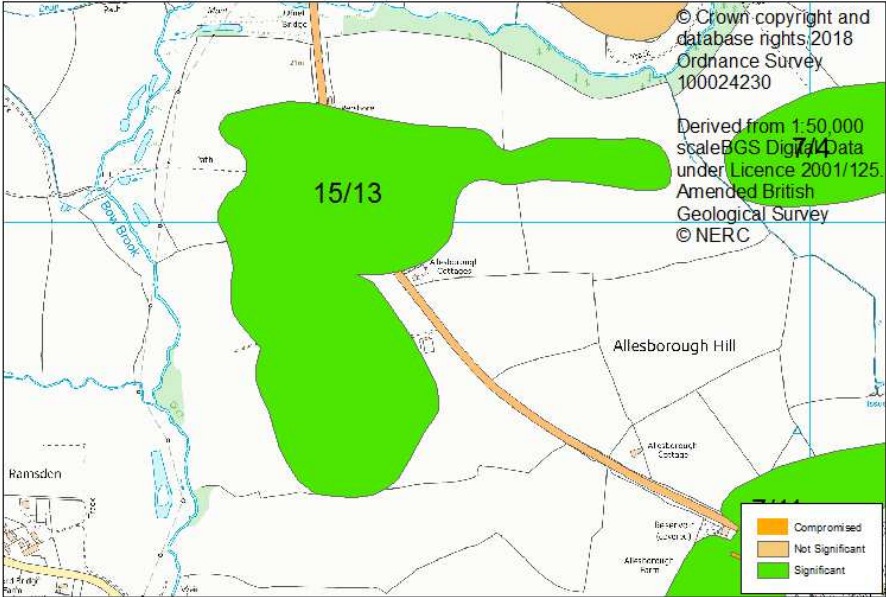


| | |
|------------------------------|--|
| Resource description: | 4 th terrace (Ailstone) sand and gravel. The BGS memoir states that there is a suite of five terraces in the valley of the Bow Brook. The Bow Brook is part of the River Avon drainage basin and the two sets of terraces (Bow Brook and 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: | Area: 17ha x average depth: 2m x 0.5 Estimated resource volume: 170,000m ³ Estimated resource tonnage (at 2 t/m³): 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/m³): 305,250 tonnes |
| 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 | |

| | | |
|----------------------------|--------------------------|--|
| Overview | | <p>© Crown copyright and database rights 2018 Ordnance Survey 100024230</p> <p>Derived from 1:50,000 scale BGS Digital Data under Licence 2001/125. Amended British Geological Survey © NERC</p> <p>15/12</p> <p>Path</p> <p>Track</p> <p>Track</p> <p>Not Significant</p> |
| Resource number: | 15/12 | |
| Resource name: | East of Drakes Broughton | |
| Resource area: | 14ha | |
| Resource depth: | Estimated 2m | |
| Location | | |
| OS sheet reference: | SO 94 NW | |
| 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 resource for the second consultation on MLP (Autumn 2013) | |
| Commentary: | A small resource area intersected by a railway line. |
| Crude estimate of resource: | Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m ³ Estimated resource tonnage (at 2 t/m³): 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 resource: | Area: 14ha x average depth: 2m / 2 Estimated resource volume: 140,000m ³ Estimated resource tonnage (at 1.65 t/m³): 231,000 tonnes |
| 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 | |

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| Overview | |
| Resource number: | 15/13 |
| Resource name: | Ufnell Bridge |
| Resource area: | 32ha |
| Resource depth: | Estimated 3.1m |
| Location | |
| OS sheet reference: | SO 94 NW |
| National grid ref: | 393092, 246910 |
|  | |
| Resource description: | |
| Resource description: | <p>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.</p> <p>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.</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> |
| Assessment of resource for the second consultation on MLP (Autumn 2013) | |
| Commentary: | A small resource area intersected by a road but with no other built development in the resource area. |
| Crude estimate of resource: | <p>Area: 32ha x average depth: 3.1m / 2</p> <p>Estimated resource volume: 496,000m³</p> <p>Estimated resource tonnage (at 2 t/m³): 992,000 tonnes</p> |

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| Conclusion: | Significant. Consider in defining areas of search. |
| Assessment of resource for the Third Stage consultation on MLP (Spring 2015) | |
| Revised estimate of resource: | Area: 32ha x average depth: 3.1m / 2 Estimated resource volume: 496,000m ³ Estimated resource tonnage (at 1.65 t/m³): 818,400 tonnes |
| Conclusion: | Significant. |
| Assessment of resource for the Fourth Stage consultation on MLP (August 2018) | |
| Resource area: | 32 ha |
| Resource depth: | Estimated 3.1m |
| Revised estimate of resource: | Area: 32ha x average depth: 3.1m / 2 Estimated resource volume: 496,000m ³ Estimated resource tonnage (at 1.65 t/m³): 818,400 tonnes |
| Conclusion: | Significant resource |

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| Overview | |
| Resource number: | 15/14 |
| Resource name: | Broughton Farm |
| Resource area: | 13ha |
| Resource depth: | Estimated 3.1m |
| Location | |
| OS sheet reference: | SO 94 NW |
| National grid ref: | 393685, 247636 |
| | |
| Resource description: | |
| Resource description: | <p>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.</p> <p>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.</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> |
| 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: 13ha x average depth: 3.1m / 2</p> <p>Estimated resource: 201,500m³</p> <p>Estimated resource tonnage (at 2 t/m³): 403,000 tonnes</p> |
| Conclusion: | <p>Not significant: Small deposit with less than 300,000m³.</p> <p>Not for consideration in defining areas of search.</p> |

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| Assessment of resource for the Third Stage consultation on MLP (Spring 2015) | |
| Revised estimate of resource: | Area: 13ha x average depth: 3.1m / 2 Estimated resource: 201,500m ³ Estimated resource tonnage (at 1.65 t/m³): 332,475 tonnes |
| 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 | |