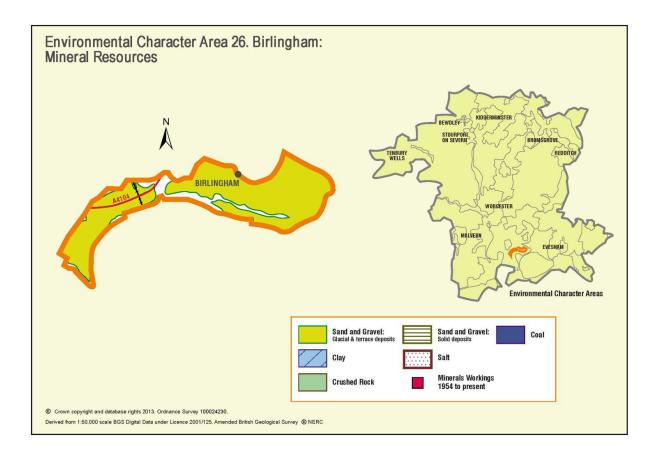
Appendix 26: Analysis of aggregate resources in ECA 26: Birlingham



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

Sand and gravel

There are 3 resource areas identified for sand and gravel in Birlingham ECA:

- Key: 2
- Compromised: 1

Crushed rock

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

Non-aggregates

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

Overview of resource assessment for ECA 26

Sand and gravel resource areas:

| Resource | Second Stage Consultation | | Third Stage Consultation | | Fourth Stage Consultation | | |
|----------|--|--------------|--|-----|--|---|-------------|
| number* | Original estimated resource tonnage (2 tonnes/m ³) | Significance | Revised estimate of resource tonnage (1.65 tonnes/m ³) | Ū | New resource number (where resource has been split) | Revised estimate of resource tonnage (1.65 tonnes/m ³) | Result |
| 26/1 | 2,997,000 | Key | 2,472,525 | Key | | 2,472,525 | Key |
| | | | | | 26/2 | 6,583,400 | Key |
| 26/2 | 8,399,000 | Key | 6,929,175 | Key | 26/2b | | Compromised |

| Overview | | | | |
|------------------------|--|--|--|--|
| Resource number: | 26/1 | Set Crown copyright and | | |
| Resource name: | Elm Lodge Farm, | DEFFORD CP | | |
| | Woodmancote | 100024230 | | |
| Resource area: | 81ha | 43 Denved from 1.50,000 | | |
| Resource depth: | Estimated 3.7m | dopelund's court | | |
| Location | | h Farm | | |
| OS sheet reference: | SO 94 SW | re Geological Survey | | |
| National grid ref: | 391038, 242308 | And Area and | | |
| Resource description: | A ond : | | | |
| Resource description: | d gravel (Wasperton) deposit. A borehole at the northern of the terrace recorded 3.7m | | | |
| | sand and gravel beneath 1 | | | |
| | (Estimated resource depth e for the second consultatio | | | |
| | | | | |
| Commentary: | | ted by railway line in the east and roads across the centre of the resource area. | | |
| Crude estimate of | Area: 81 ha x average depth: 3.7m ÷ 2 | | | |
| resource: | Estimated resource volume: 1,498,500 m ³ Estimated resource tonnage (at 2 t/m ³): 2,997,000 tonnes | | | |
| Conclusion: | Significant – key resource. | ige (at 2 t/m): 2,997,000 tonnes | | |
| Conclusion. | Use to define areas of sear | | | |
| Assessment of resource | | | | |
| Revised estimate of | e for the Third Stage consultation on MLP (Spring 2015) Area: 81 ha x average depth: 3.7m ÷ 2 | | | |
| resource: | Estimated resource volume: 1,498,500 m^3 | | | |
| | | age (at 1.65 t/m ³): 2,472,525 tonnes | | |
| Conclusion: | Significant – key resource. | | | |
| | | ultation on MLP (August 2018) | | |
| Resource area: | 81ha | | | |
| Resource depth: | 3.7m | | | |
| Revised estimate of | Area: 81 ha x average dept | h: 3.7m ÷ 2 | | |
| | A loa. Of the A average dept | | | |

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

| Overview | | | | |
|--|--|---|--|--|
| Resource number: | 26/2 | Crown copyright and database rolats 2018 | | |
| Resource name: | Birlingham | 16/5 Ordnance Survey | | |
| Resource area: | 227 ha | 1000243212 | | |
| Resource depth: | 3.7 m | Derived from 1:50,000 | | |
| Location | and the | ford - under Licence 2001/125 | | |
| OS sheet reference: | SO 94 SW | Anended Butish Geological Survey | | |
| National grid ref: | 393568, 242860 | water Works | | |
| | (Vicing | | | |
| | | 26/2 | | |
| | 26/1 | | | |
| | | | | |
| | | The State State Way | | |
| | 12 | | | |
| | 12 | | | |
| | | 7 16/8 | | |
| | 12 C | Suttore III 24 Not Significant | | |
| | Ber | All the William Natere bank | | |
| Resource description: | | | | |
| Resource description: 2 nd river terrace (Wasperton), 3 rd river terrace (New Inn) sand and gravel deposits. Part of this resource is | | | | |
| • | the Bretford member. A borehole in | he 2 nd terrace (in resource area 26/1 to the west) recorded 3.7m sand and | | |
| | gravel beneath 1.2m overburden. | | | |
| | (Estimated resource depth 3.7m) | | | |
| Assessment of resource | e for the second consultation on ML | | | |
| Commentary: | A large deposit, intersected by railwa | y line in the east and roads across the centre of the resource area. | | |
| Crude estimate of | Area: 227 ha x average depth: 3.7m ÷ 2 | | | |
| resource: | Estimated resource volume: 4,199,500 m ³ | | | |
| | Estimated resource tonnage (at 2 | :/m³): 8,399,000 tonnes | | |
| Conclusion: | Significant – key resource. | | | |
| | Use to define areas of search. | | | |
| | e for the Third Stage consultation or | | | |
| | Area: 227 ha x average depth: 3.7m ÷ 2 | | | |
| Revised estimate of | | | | |
| Revised estimate of resource: | Estimated resource volume: 4,199,5 | 00 m ³ | | |
| resource: | Estimated resource volume: 4,199,5 Estimated resource tonnage (at 1 | 00 m ³ | | |
| resource: Conclusion: | Estimated resource volume: 4,199,5 Estimated resource tonnage (at 1) Significant – key resource. | 00 m ³ 65 t/m³): 6,929,175 tonnes | | |
| resource: Conclusion: Assessment of resource | Estimated resource volume: 4,199,5 Estimated resource tonnage (at 1) Significant – key resource. for the Fourth Stage consultation of | 00 m ³ 65 t/m³): 6,929,175 tonnes | | |
| resource: Conclusion: Assessment of resource This resource area has be | Estimated resource volume: 4,199,5 Estimated resource tonnage (at 1) Significant – key resource. | 00 m ³ 65 t/m³): 6,929,175 tonnes | | |

| Resource area: | 216 ha | Commentary: | Screened out due to the following appendix A |
|---------------------|--|-------------|--|
| Resource depth: | Estimated 3.7m | | criterion: |
| Revised estimate of | Area: 216 ha x average depth: 3.7m ÷ 2 | | - Conservation Area |
| resource: | Estimated resource volume: 3,996,000 | | - Listed Buildings |
| | m ³ | | Settlement boundary |
| | Estimated resource tonnage (at 1.65 | | |
| | t/m³): 6,593,400 tonnes | | |
| Conclusion: | Key resource | Conclusion: | Compromised |