

Addendum to Appendix 12: Analysis of aggregate resources in ECA 12: Bromsgrove – Redditch Corridor

July 2021

Introduction

- 1.1. In the hearing sessions undertaken as part of the examination of the emerging Worcestershire Minerals Local Plan, a change in screening criteria was proposed to no longer screen Source Protection Zone level 2 out of resource areas. In the previous version of the Analysis of Mineral Resources, areas overlapped by SPZ2 were marked as compromised.
- 1.2. To reflect this change, this addendum to *Appendix 12: Analysis of aggregate resources in ECA 12: Bromsgrove – Redditch Corridor* has been produced to update the information held about resource areas, where these have changed by the change in criteria. However, only resource areas impacted by the change in criteria have been updated, this may mean these resources are visible in incorrect form on maps showing neighbouring resources which have not been changed.
- 1.3. The following resource areas in ECA 12: Bromsgrove – Redditch Corridor have been impacted by this change:
 - 12/8

Update to resource areas

Resource area 12/8

The following map shows the location of resource area 12/8. It is located near Brockhill. This is a large resource area intersected by roads, with some dispersed development.

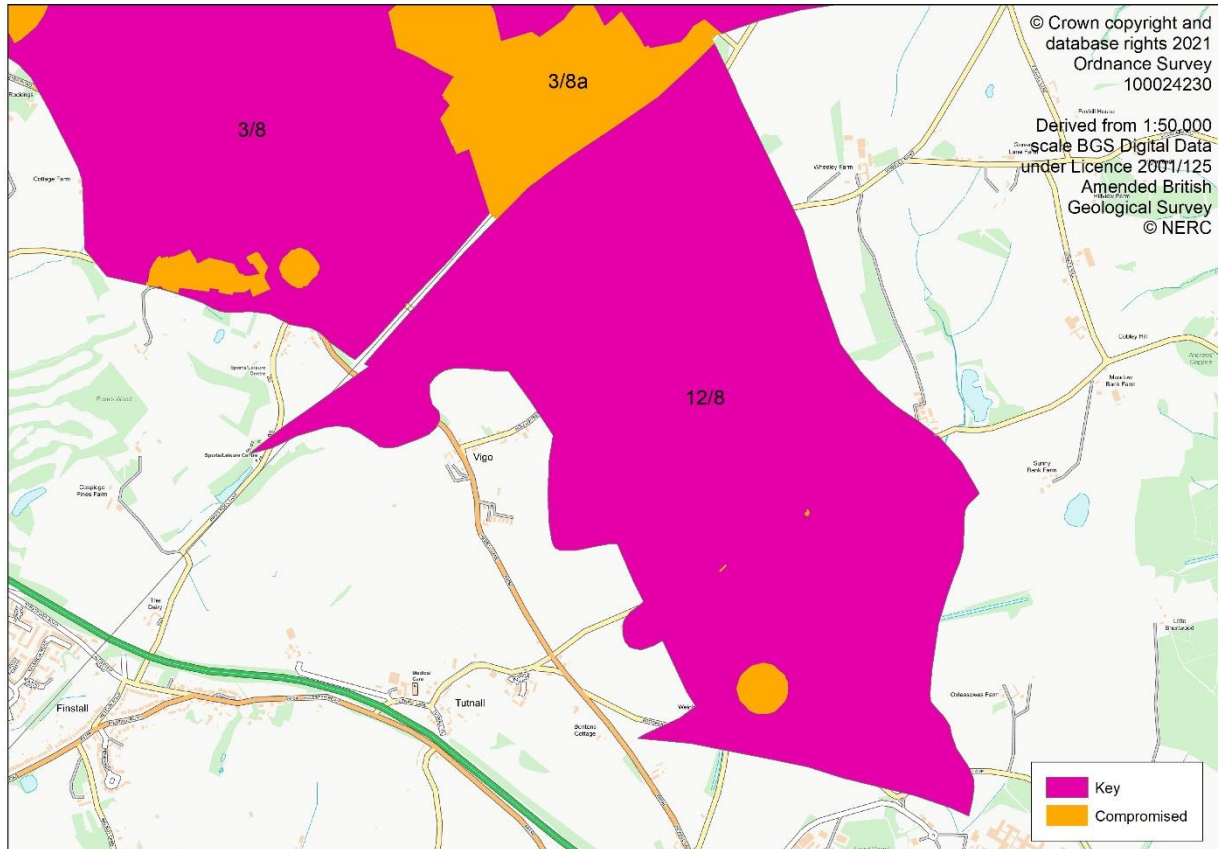


Figure 1. Resource area 12/8.

Resource description

Resource area 12/8 is Wildmoor Sandstone Formation solid sand. This is overlain by resource area 4/1 which is alluvial fan sand and gravel.

The Wildmoor Formation is generally described as red-brown and orange, fine to medium grained, feldspathic sandstone with sparse, thin mudstone beds. Generally the formation is characterised by a remarkably uniform, very weakly cemented, fine grained, silty, micaceous sandstone and an absence of pebbles, in contrast to the Kidderminster Formation, although sparse pebbly stringers are recorded. The fine grain-size and soft, poorly cemented, nature of the sandstone in some areas made it ideal for exploitation as moulding sand for use in the foundry industry.

The Wildmoor Sandstone Formation ranges in thickness, a borehole near Hagley (at grid reference 389940 281690) proved 175m of red hard and soft sandstone some of this could be attributed to the underlying Kidderminster Formation since the lower boundary is indistinct. The memoir for Redditch reports that the strata in this district is thickest at

Webheath (134m), approx. 3km south of this resource area. East of the main outcrop the formation is cut out rapidly by the overstepping Bromsgrove Sandstone. There is no additional information about the depth of the deposit in this resource area.

(Estimated resource depth based on a mean average of: a) borehole near Hagley: 175m, b) Webheath: 134m = 154.5m)

Previous assessment

This resource area was last assessed as part of the Fourth Stage consultation on MLP (August 2018). At this stage, the resource area was split into areas 12/8 and 12/8b.

Area 12/8b contained parts of the resource screened out and marked as compromised due to the following appendix A criterion:

- Listed Buildings
- Source Protection Zone 1 & 2

Area 12/8 contained the parts of the resource not impacted by the screening criteria. This resource area was 255ha in area, with an average depth of 154.5m. Therefore, the estimated resource volume was 173,812,500m³, and the estimated tonnage (at 1.65 t/m³) was **286,790,625 tonnes**.

Re-assessment of resource after MLP examination hearing sessions (2021) with SPZ 2 no longer screened out.

Now areas of Source Protection Zone 2 are no longer marked as compromised, resource area 12/8 is now 279ha in area, with an average depth of 154.5m. Therefore, the estimated resource volume is 215,527,500m³, and the estimated tonnage (at 1.65 t/m³) is **355,620,375 tonnes**.