

**Buckinghamshire County
Council**

**Minerals Development
Framework**

**Assessment of Potential
Mineral Sites**

Comparative Assessment

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1 INTRODUCTION

1.1 Purpose and Aim

- 1.1.1 In March 2006, Buckinghamshire County Council commissioned Jacobs (formerly Jacobs Babtie) to undertake an assessment of nine potential mineral extraction sites in the county against a defined set of sustainability objectives, and in the light of this assessment to rank the sites in order of their suitability for inclusion as areas for future extraction (if required) in future Minerals Development Plan Documents (MDDs).
- 1.1.2 The original nine sites were sites that had been suggested at previous Minerals (or Minerals and Waste) Local Plan Inquiries as having potential for future extraction, but which had been rejected for one reason or another in the context of the contemporary need for further sites. In particular, they comprised sites that had been suggested by mineral operators for inclusion in the Minerals and Waste Local Plan (MWLP) that was eventually adopted in 2006, but which the County Council had declined to consider in that context because it was satisfied that, at the time when that Plan was being prepared, sufficient sites had already been identified to meet the needs for the MWLP plan period.
- 1.1.3 Subsequently a tenth site was added, at George Green, in response to a request from another operator that the site be considered for inclusion in future MDDs.
- 1.1.4 A set of reports has been prepared for each of the ten sites, describing and assessing them in terms of various planning constraints and relevant issues.
- 1.1.5 The aim of the present report is to carry out a comparative assessment of these ten sites and produce a final list of the sites ranked according to their suitability for mineral extraction. One of the sites (Site 9) consists of two non-contiguous areas of land (referred to as Sites 9A and 9B), which were assessed separately. Hence the overall conclusions refer to 11 sites in all.

1.2 Site Locations

- 1.2.1 All of the sites are located in the South Bucks District. Site 3 is positioned to the north of the district adjacent to the M40 and east of the A355. This land is currently used for agriculture. Sites 1 and 6 are in the east of the district situated close to the A40, A412 and the settlement of New Denham. These are in close proximity to each other and are also currently used for agriculture.
- 1.2.2 Sites 2, 7, 9A and 9B are located south west of the district, west of Slough and these sites are close to the A4 and M4. Currently, these sites are used for agriculture purposes. Site 2 is close to the River Thames and the newly constructed Jubilee River; Site 7 is adjacent to a mineral site which is about to become operational; and Sites 9A and 9B have been proposed to be worked in conjunction with other mineral sites close by.
- 1.2.3 Sites 4, 5, 8 and 10 are located south east of the district close to the A412 and A4007. Site 4 is an extension to an existing mineral site called Park Lodge Quarry; Site 5 is currently

agricultural land close to a residential estate; Site 8 is currently a pick your own orchard; and Site 10 is close to the settlement of George Green and also used for agriculture.

- 1.2.4 The locations of all ten sites are shown on the Site Location Plan 0004544-SL-01. In addition, the strategic highway network for the area is shown on Map 0004544-MS-01.

2 METHODOLOGY

2.1 Objectives and weightings

2.1.1 The comparative assessment was carried out using the 23 sustainability appraisal (SA) objectives taken from the Scoping Report for the Minerals and Waste Development Framework, published in June 2006.

2.1.2 In a meeting with officers at Buckinghamshire County Council, four methodology options for the comparative assessment were discussed. It was agreed that the assessment methodology to be used would need to prioritise the SA objectives according to their importance for the sites' suitability for mineral extraction. Because these objectives were devised to apply to potential waste development documents as well as to minerals development documents, not all of the 23 objectives were necessarily directly applicable in the present exercise. Table 2.1, shown below, lists the objectives and the weightings given by the County Council officers with 1, indicating most important for the purposes of the present assessment; 2, next most important; 3, least important; and n/a, where the objective was not applicable to the assessment.

Table 2.1 showing sustainability objectives and Buckinghamshire County Council officer weightings

SA objective	Topic (summarised)	Buckinghamshire County Council Weightings
SA1	Air quality	2
SA2	Climate change	2
SA3	Living conditions and residential amenity	1
SA4	Health	1
SA5	Biodiversity	1
SA6	Historic Environment	2
SA7	Soils	1
SA8	Landscape and townscape	1
SA9	Material assets	1
SA10	Water quality and resources	1
SA11	Flood risk	1
SA12	Mineral resources	1
SA13	Restoration and after-use	1
SA14	Sustainable management of waste	2
SA15	Energy use and generation	3
SA16	Traffic impacts	1
SA17	Use of transport modes other than road	2
SA18	Meeting the need for minerals	n/a
SA19	Community participation	n/a
SA20	Recreation resources	2
SA21	Use of sound science	n/a
SA22	Impacts on employment uses	3
SA23	Economic growth and investment	3

2.2 Issues relating to the SA objectives

2.2.1 As part of the site specific assessment, a set of key issues, deriving from each of the SA objectives and relevant to the assessment of the sites' suitability for mineral working, was drawn up by Jacobs and discussed and agreed with officers of the County Council. These are listed in Table 2.2, along with the weightings derived from Table 2.1.

Table 2.2 showing set of keys issues relating to the SA objectives and weightings given

No.	Issue	Related SA objective	Buckinghamshire County Council Weightings
1	Number of dwellings within indicative buffer zone area	SA3	1
2	Number of dwellings on haul route to strategic highway network	SA3	1
3	Impact of possible road improvements	SA16	(1)
4	Duration of activities	SA3	1
5	Impact on utilities	SA3	1
6	Proximity of other/recent workings	SA3	1
7	Birdstrike issues	SA4	1
8	Health generally	SA4	(1)
9	Biodiversity quality and impacts	SA5	1
10	Agricultural land classification	SA7	1
11	Landscape quality and impacts	SA8	1
12	Townscape quality and impacts	SA8	(1)
13	Yield/ha (as indicative of wider disturbance)	SA9	1
14	Overburden thickness	SA9	(1)
15	Impact on water quality and resources	SA10	1
16	Flood risk impact	SA11	1
17	Potential for the sterilisation of resources	SA12	1
18	Potential for effective restoration	SA13	1
19	Intrinsic acceptability of access and haul route	SA16	1
20	Impact on air quality and dust	SA1	2
21	Impact on climate change	SA2	2
22	Impacts on archaeology and historic landscapes	SA6	2
23	Impacts on conservation areas and listed buildings etc	SA6	(2)
24	Impact on wider waste management objectives	SA14	2
25	Potential for use of water or rail	SA17	2
26	Relationship to Rights of Way network	SA20	2
27	Impact on Colne Valley Park	SA20	2
28	Relationship to other recreation uses	SA20	2
29	Impact on geodiversity	SA5	3
30	Impact on energy use	SA15	3
31	Potential for renewable energy	SA15	3
32	Impacts on employment uses	SA22	3
33	Impact on growth and investment in minerals industry	SA23	3

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34	Issues relating to the generation of mineral waste	SA14	n/a
35	Impact on conservation of mineral resources	SA12	n/a
36	Issues relating to management of mineral waste	SA14	n/a
37	Meeting needs for minerals	SA18	n/a
38	Community participation and responsibility	SA19	n/a
39	Responsible use of sound science	SA21	n/a

2.2.2 Information drawn from these issues was then assembled for each site and used to compare the sites with the use of a scoring and weighting system.

3 RESULTS

3.1 Selecting and categorising the issues

3.1.1 Initial assessment of the ten sites revealed that the sites performed equally for a number of issues derived from the SA objectives. For issues 34 to 38, it was considered, when weighting the objectives originally, that these were not relevant to the comparative assessment. In addition, issue 8 was not considered to be of immediate relevance in the in-principle assessment of the suitability of individual sites. All ten sites were judged to have no impact on issues 12, 29, 30, 32 and 33 and issue 3 did not have any impact upon the sites. It was also decided that at the present level of assessment, there was no distinction between the sites for the impact on climate change and that no judgements could be made for issues 18 and 31, as this depended on requirements determined at the planning application stage. It was therefore concluded that these would not be used as part of the comparative assessment methodology. Table 3.1 below shows the issues excluded.

Table 3.1 to show issues on which all ten sites perform equally

No.	Issue	SA objective	Buckinghamshire County Council Weightings
3	Impact of possible road improvements	SA16	(1)
8	Health generally	SA4	(1)
12	Townscape quality and impacts	SA8	(1)
18	Potential for effective restoration	SA13	1
21	Impact on climate change	SA2	2
29	Impact on geodiversity	SA5	3
30	Impact on energy use	SA15	3
31`	Potential for renewable energy	SA15	3
32	Impacts on employment uses	SA22	3
33	Impact on growth and investment in minerals industry	SA23	3
34	Issues relating to the generation of mineral waste	SA9	n/a
35	Impact on conservation of mineral resources	SA12	n/a
36	Issues relating to management of mineral waste	SA14	n/a
37	Meeting needs for minerals	SA18	n/a
38	Community participation and responsibility	SA19	n/a

3.1.2 The remaining issues were then used for the first part of the comparative assessment which was carried out by setting parameters for the outcomes of each issue, in order to categorise the information according to the sites' suitability for mineral extraction.

3.1.3 The parameters for each issue were set based on judgements; however these were relative to the possible outcomes of the issue and its relationship to permitting mineral extraction. They were not simply distributed across the four categories for statistical purposes; rather the parameters were decided realistically.

3.1.4 Table 3.2 shows the issues used for the comparative assessment and the parameters set for the assessment.

Table 3.2 to show issues used for comparative assessment and the parameters set

No.	Issue	Advantageous (green)	Intermediate (yellow)	Tending to be disadvantageous (orange)	Disadvantageous (red)
1	Number of dwellings within indicative buffer zone area	Less than 15	Less than 60, greater than 15	Greater than 60, less than 100	Greater than 100
2	Number of dwellings on haul route to Strategic Highway Network (SHN)	Less than 5	Less than 35	Less than 70	Greater than 70
4	Duration of activities	Less than 1 year	Less than 3 years	Less than 6 years	Greater than 6 years
5	Impact on utilities	None	Within 500m	Within 200m	Within the site
6	Proximity of other/recent workings	None	Adjacent to the site but the same operator	Within 1.5km	Within 1km
7	Birdstrike issues	No issue	Not used	Not used	Within 13km zone
9	Biodiversity quality and impacts	-	-1 ¹	-	-
10	Agricultural land classification	No classification	Grade 2/3	2/3a	Contains Grade 1
11	Landscape quality and impacts	-1 score	-1.5 score	-2 score	-2.5 score
13	Yield/ha (as indicative of wider disturbance)	Greater than 60,000	Greater than 50,000	Greater than 40,000	Less than 40,000
14	Overburden thickness	Less than 1metres	1-2metres	Not used	Greater than 2metres
15	Impact on water quality and resources	Outside zones	100% or less in Total Catchment	Part Outer zone and Total Catchment	Part Inner zone and Outer zone
16	Flood risk impact	Outside zones	Less than 50% in flood zone	Between 50% and 75% in flood zone	Greater than 75% in flood zone
17	Potential for sterilisation of resources	Yes	not used	not used	No
19	Intrinsic acceptability of access and haul route	Acceptable less than 1km from SHN	Acceptable more than 1km from SHN	Possibility	Unacceptable
20	Impacts on air quality and dust	No issue	not used	not used	AQMA adjacent

¹ This score was given in the specialist assessment to each of the ten sites. As this is not a positively 'advantageous' score, it was decided to categorise it as 'yellow' and not use the other categories.

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22	Impacts on archaeology and historic landscapes	Low	Medium	Medium/High	High
23	Impacts on conservation areas and listed buildings	No issue	Registered Park adjacent or close	Listed building or/and CA within 200m	Listed building or/and CA within 100m
24	Impact on wider waste management objectives	Land restoration desirable	Not used	Not used	Land restoration undesirable
25	Potential for use of water or rail	Definite	Possible	Not used	No possibility
27	Impact on Colne Valley Park	Yes	No	Not used	Not used
26	Relationship to Rights of Way network	None	Not used	Adjacent to the site	Within the site
28	Relationship to other recreation uses	None	Country Park/ Other sensitive land use	Not used	Built receptors such as community hall

Blue = those considered secondary issues for the objective

Yellow = issues combined and considered together

3.1.5 The categories used for the assessment consisted of grades of colour using green; advantageous for (early) mineral extraction, yellow; intermediate for mineral extraction, orange; intermediate tending to be disadvantageous, and red; disadvantageous for mineral extraction. This produced results that considered the information drawn from the sites however, did not take into account the County Council's weightings for each issue.

3.1.6 To refine the weightings from the County Council, those issues given a weighting of 1 were categorised further into **very high, high and medium** priorities, according to the 'immediacy' of their impacts on overall quality of life. Issues derived from SA3, SA5 and SA8 were considered as very high priority. This was due to their impacts on the local population, ecology and landscape of the area. SA4, SA7, SA9, SA11 and SA16 were considered as high priority. This was because they considered transport issues, the productivity and value of the land to be disturbed and flood risk and air safety. SA10 and SA12 were considered as medium priority because of the importance of water resources and the need to avoid sterilisation of any mineral area. In addition, where an objective, such as SA3, had numerous issues, some of these were excluded from the assessment as, in the context of the ten specific sites under consideration, they were considered to be secondary issues. These included impact on utilities, proximity to other workings, duration of activities and overburden thickness

3.1.7 SA1, SA6, SA13, SA17 and SA20 were included in a low priority category as these objectives were given a weighting of 2 by the County Council and were considered to be of lower importance than those objectives already discussed.

3.1.8 All the priorities and their corresponding objectives and issues are shown in Table 3.3.

Table 3.3 to show priorities and objectives considered

Priority	Objective	Issue
Very high	SA3	1. Number of dwellings within indicative buffer zone area, 2. Number of dwellings on haul route to Strategic Highway Network
	SA5	9. Biodiversity quality and impacts
	SA8	11. Landscape quality and impacts
High	SA4	7. Birdstrike issues
	SA7	10. Agricultural land grading
	SA9	13. Yield/ha (as indicative of wider disturbance)
	SA11	16. Flood risk impact
	SA16	19. Intrinsic acceptability of access and haul route
Medium	SA10	15. Impact on water quality and resources
	SA12	17. Potential for sterilisation of resources
Low	SA1	20. Impacts on air quality and dust
	SA6	22. Impacts on archaeology and historic landscapes
		23. Impacts on conservation areas and listed buildings
	SA13	24. Impact on wider waste management objectives
	SA17	25. Potential for use of water or rail
	SA20	27. Impact on Colne Valley Park
		26.& 28.Relationship to Rights of Way network and relationship to other recreation uses

3.2 Scoring and weighting system

- 3.2.1 The second part of the assessment used a scoring and weighting system to produce the final ranking list considering all the relevant issues and their relative priorities.
- 3.2.2 Firstly, scores were given to each of the categories with 1 point for green; 2 points for yellow; 3 points for orange; and 4 points for red. These were calculated for the outcomes for each site and total scores were given for each priority of issues.
- 3.2.3 Weightings were then incorporated into the scores by multiplying the raw scores by 4 for very high priority; 3 for high priority, 2 for medium priority and 1 for low priority. This system enabled proportional weighting amongst the priorities. Other weightings were experimented with however, these made little difference to the outcome and therefore the originally agreed relative weighting was applied. After the calculations were made to each priority, the final scores were then totalled for each site and ranks were assigned in an ascending order.
- 3.2.4 Table A shows the results of using the scoring and weighting system for each site.
- 3.2.5 The results indicate that Sites 1, 2, 5 and 10 score 4 (red) for issues of very high priority and this causes high scores overall as a result of the weighting given to this priority. In contrast, Sites 4, 6, 7, 9A and 9B score a mixture of 1s (green) and 2s (yellow) for very high priority issues, which is reflected in their overall low scores.
- 3.2.6 The total scores for each site also show that six sites scored very similarly to each other. This should be noted when considering the ranks given to these sites.

3.2.7 A limitation of the assessment is that current proposals for the working of the site from the prospective mineral operators were given little consideration. For example, at Site 1: Lea South the use of a conveyor and canal to move the material off site has been proposed by the operator, as the road access to the site is considered by the Highway Authority to be unacceptable. This proposal was not, however, included in the assessment and therefore Site 1 was categorised as disadvantageous for mineral extraction (red) for its access and haul route. If these proposals were considered, then Site 1 would obtain a lower score and would therefore be ranked higher (**see Appendix Table C**). At Sites 9A and 9B, proposals by the prospective operator also suggest the use of a conveyor to transport material off site. However, this consideration would not affect the scoring for these sites, as the road access to the site is acceptable. It is also within 1km of the Strategic Highway Network and therefore scores low making the sites advantageous for mineral extraction.

4 CONCLUSIONS

4.1 Ranking the Sites

4.1.1 By collating the scores for each site and ranking the scores in an ascending order, the final ranking list of sites was produced. Table 4.1 shows the final ranking for each of the sites.

Table 4.1 Final Ranking List of the sites suitable for mineral extraction

Rank	Site	Score	Site Reference Number
1	Berry Hill Farm	73	7
2	New Denham	75	6
3	Park Lodge Extension	76	4
4	Lake End East	80	9B
5	Lake End West	83	9A
6	Slade Farm	87	3
7	Barge Farm	94	8
8	Shreding Green	95	2
9	Lea South	96	1
10	George Green	101	10
11	Trenches Farm	115	5

4.1.2 Overall, Site 7 was assessed as the most suitable for mineral extraction. This was as a result of the site scoring well for issues of very high priority and very well for issues of high priority. For issues of medium and low priority the site scored well for most issues except for listed buildings and the conservation area and rail/water transport access. The site is close to a conservation area situated in Taplow, however the route vehicles would take from the site to the strategic highway network would not pass any houses along the way and would therefore cause minimal disturbance to the local population.

4.1.3 Site 5 has been ranked the least suitable for mineral extraction in comparison with the other sites. This is because of it being in close proximity to properties as there is a residential estate within the Minerals and Waste Local Plan 200m buffer zone. In addition, the number of houses that site vehicles would pass on route to the strategic highway network is high. In terms of high priority issues, the site scores fair on all of them and for low priority issues it scores poorly for public rights of way, and means of restoration. This is due to a public footpath crossing the site and that landfill would be needed for restoration.

4.1.4 For sites ranked 1 to 3 and 7 to 9, the overall assessment scores - as noted previously in 3.2.6 - indicate that these sites are very similar in their suitability for mineral extraction.

4.2 Limitations and assumption

4.2.2 As part of the assessment methodology judgements were made by Jacobs for the inclusion and exclusion of data. In addition, Jacobs decided to prioritise the County Council weightings further in order to provide a fair assessment of the sites using the SA objectives.

- 4.2.3 All ten of the potential sites are located in the Metropolitan Green Belt, and this has therefore been disregarded as a consideration in the site-specific and the comparative assessment of the sites. In any case, in accordance with PPG2 mineral extraction is not precluded in the Green Belt, and so this is not a consideration that would have carried any significant weight as a matter of broad principle.
- 4.2.4 Only limited account has been taken in the comparative analysis of the prospective mineral operators' stated intentions for the sites in terms of their methods of working and, in particular, of their suggested restoration proposals for each site. In cases where operators propose to work one of the proposed sites in sequence with an existing site, using the same plant and perhaps the same access, this has been noted; but the assessment has not been limited to this if other possible ways of working the site suggest themselves, or if some practical or other difficulties have been identified in working the site in the way in which the operator proposes.
- 4.2.5 The opinions and conclusions contained in this report represent the views of the Council's consultants, but should not be regarded as necessarily representing the views of the County Council when they come to consider the sites either as potential Preferred Areas in the preparation of future Minerals and Waste Development Documents, or when considering individual planning applications for mineral extraction or similar development.
- 4.2.6 The assessment has been based on the best information available to Jacobs at the time of this project. No independent verification has been made of any of the documents or information supplied to, or available to, Jacobs for use in this project.

APPENDIX – ALTERNATIVE SCORING AND WEIGHTINGS

- A1 By amending the scoring and weighting system used in the final assessment, different scenarios of weightings and scores were considered to demonstrate the effects this would have on the final ranking of the sites. It was decided that these scenarios would not be used to rank the sites overall.
- A2 **Table B** shows different weightings given to each of the priorities and indicates that these have no effect on the overall ranking of sites. **Table C** shows an amendment to the score given to Site 1 for its haul route, as the mineral operator has proposed the use of a conveyor. This changes the ranking of sites and moves Site 1 up two places to 7th place. However overall there is little difference between the outcomes of Tables B and C compared with Table A. This indicates that the conclusions in Table A have not been unduly affected by the scoring and weighting system used, and that the overall findings in Table A may be regarded as reasonably robust.
- A3 The colourings used in Tables B and C have been slightly varied from those in Table A, to avoid confusion.

Table C to show consideration of the conveyor at Site 1

Topic/Chapter heading	SA Objective	BCC Weightings	Issue	1 - The Lea South	2 - Barge Farm	3 - Slade Farm	4 - Park Lodge xtn	5-Trenches Fm	6 - New Denham	7 - Berry Hill Farm	8 - Shreding Green	9A - Lake End West	9B - Lake End East	10 - George Green
Very High priority														
Population and Health	SA3	1	Properties w/i MWLP buffer zone	Red	Green	Green	Green	Red	Yellow	Yellow	Yellow	Green	Green	Red
Population and Health	SA3	1	Houses on route to SHN	Green	Yellow	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Green
Ecology	SA5	1	Ecology score	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Landscape	SA8	1	Landscape score	Yellow	Red	Orange	Yellow	Orange	Green	Green	Yellow	Green	Yellow	Yellow
Total score				9	9	8	6	13	6	6	8	6	7	9
Total score with weighting				36	36	32	24	52	24	24	32	24	28	36

High Priority

Water	SA11	1	Flood zones	Red	Red	Green	Green	Yellow	Green	Green	Green	Red	Orange	Yellow
Population and Health & Transport	SA16	1	Acceptability of access and haul route	Yellow	Orange	Yellow	Green	Yellow	Green	Green	Yellow	Green	Green	Green
Population and Health	SA4	1	Air safety	Yellow	Green	Green	Yellow	Yellow	Yellow	Green	Yellow	Green	Green	Yellow
Soils	SA7	1	Ag land grading	Yellow	Yellow	Yellow	Yellow	Orange	Orange	Orange	Red	Orange	Yellow	Red
Material assets	SA9	1	Yield/ha gross	Yellow	Green	Orange	Red	Yellow	Green	Green	Orange	Orange	Green	Orange
Total score				14	11	9	10	11	8	7	12	12	8	11
Total score with weighting				42	33	27	30	33	24	21	36	36	24	33

Table C to show consideration of the conveyor at Site 1

Topic/Chapter heading	SA Objective	BCC Weightings	Issue	1 - The Lea South	2 - Barge Farm	3 - Slade Farm	4 - Park Lodge xtn	5-Trenches Fm	6 - New Denham	7 - Berry Hill Farm	8 - Shreding Green	9A - Lake End West	9B - Lake End East	10 - George Green
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Medium Priority

Water	SA10	1	SPZ											
Material assets	SA12	1	Does it need to be worked now?											
Total score				3	6	6	3	6	5	6	6	8	7	7
Total score with weighting				6	12	12	6	12	10	12	12	16	14	14

Low Priority

Population and Health	SA1	2	AQMA											
Other environmental issues	SA13*	1	Land restoration desirable?											
Transport	SA17	2	Rail/water access											
Cultural heritage	SA6	2	Archaeological sensitivity											
Cultural heritage	SA6	2	LB/CA etc											
Social and Economic Issues	SA20	2	In CVP?											
Social and Economic Issues	SA20	2	PRoW within site and other receptors w/l 200m											
Total score				12	13	19	16	18	17	16	15	10	17	18
Total score with weighting				12	13	19	16	18	17	16	15	10	17	18

Table C to show consideration of the conveyor at Site 1

Topic/Chapter heading	SA Objective	BCC Weightings	Issue	1 - The Lea South	2 - Barge Farm	3 - Slade Farm	4 - Park Lodge xtn	5-Trenches Fm	6 - New Denham	7 - Berry Hill Farm	8 - Shreding Green	9A - Lake End West	9B - Lake End East	10 - George Green
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Totals with weighting				96	94	90	76	115	75	73	95	86	83	101
Ranking				7	9	6	3	11	2	1	8	5	4	10

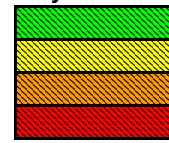
Considering conveyor option for site 1

Ranking

- 1 Berry Hill Farm
- 2 New Denham
- 3 Park Lodge Extension
- 4 Lake End East
- 5 Lake End West
- 6 Slade Farm
- 7 Lea South
- 8 Shreding Green
- 9 Barge Farm
- 10 George Green
- 11 Trenches Farm

Lea South moves up 2 places

Key Score



- 1 Advantageous for (early) mineral extraction
- 2 Intermediate
- 3 Intermediate, tending to disadvantageous
- 4 Disadvantageous for mineral extraction

Weightings

- Low priority raw score
- Medium priority raw score x2
- High priority raw score x3