

Cumbria MWDF Site Assessments Report - January 2012

South Lakeland

PROPOSED SITES WITHIN SOUTH LAKELAND DISTRICT

FOR WASTE MANAGEMENT

Household Waste Recycling Centres

First preference

- SL1B Kendal Fell Quarry (land adjacent)

Reserve list

- *none*

Waste Treatment Facilities

First preference

- SL1A Kendal Fell Quarry (but this is mostly within the Lake District National Park and not within the area of this Framework)

Reserve list

- *none*

Energy from Waste

- None

Landfill

- None

PREFERRED AREAS OR AREAS OF SEARCH FOR MINERALS

- M30 Roan Edge Quarry sandstone Area of Search (high specification roadstone)

MINERAL SAFEGUARDING AREAS

- Limestone, sandstone and sand and gravel

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SL1 Kendal Fell Quarry, Kendal

- 896** Land adjacent to this quarry (SL1B) is the only preferred site for a replacement of the Canal Head Household Waste Recycling Centre; the quarry floor is a first preference site for waste management facilities (SL1A), although it is mostly within the Lake District National Park and not this plan's area.
- 897** In the Lake District National Park Authority draft Land Allocations document, that part of Kendal Fell Quarry that falls within the Park, is identified for "waste management and treatment". In the South Lakeland District Council draft Land Allocations document, the land adjacent to the quarry is identified for "waste and recycling related uses".
- 898** It has proved extremely difficult to identify sites in the south of the county. With access directly from the A591 Kendal by-pass, this site is well located for the road network and is supported by the National Park Authority. However, alterations/improvements to the access may be needed and it must be ensured that lorries use this, rather than travel through Kendal.
- 899** The Habitats Regulations Assessment concludes that this site would not have impacts on the River Kent or Morecambe Bay Pavements SACs.

Summary of comments from previous consultation stages

- 900** It was supported as a Green Resource Park in principle, if based on the Best Practical Environmental Option, and it was acknowledged that waste management uses would provide some employment. Mitigation of traffic impacts were seen to be a key consideration, together with other impacts, including noise and pollution.
- 901** Much of the quarry, including the access to the A591, is within the National Park and outside the plan area. At an earlier stage, the National Park Authority agreed that the site could be put forward in this plan, on condition that it was not proposed for an incinerator. It was queried whether the whole of the site fell in the National Park and so should not be in the Site Allocations Policies at all.

Summary of comments from the Regulation 25 consultation stage

- 902** Comments received during this consultation were: that it was broadly acceptable to the highway authority; advice should be sought on archaeological mitigation; the Environment Agency states it is important to establish the relationship with the water table and active or passive dewatering.

Environmental assets

- 903** The Morecambe Bay Pavements SAC and the Scout & Cunswick Scars SSSI are 600m from the site; Serpentine Wood & Kendal Fell County Wildlife Site is adjacent to the eastern edge; Cunswick Fell CWS is 550m away, Cunswick & Park Spring Woods CWS is 950m and Barrowfield & Honeybee Woods CWS is 1.5km; an area of calcareous grassland UK priority habitat is adjacent to the site, semi-natural woodland UK priority habitat is 800m away and hay meadows and pastures UK priority habitat is 400m away.
- 904** The Northern Brown Argus, Small Heath, High Brown and Small Pearl-bordered Fritillary butterflies have all been recorded on both the nearby golf course and Scout Scar. Badgers have been recorded within the site. There are records of brown hares and common pipistrelle bats in the vicinity.

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905 A public footpath runs along the eastern edge of the quarry.

906 There is licensed groundwater extraction close to this site.

Enhancement potential

907 The size of the site should enable significant habitat enhancement measures to be incorporated into a development scheme.

908 Information required on extent of modern disturbance - some archaeological mitigation may be needed.

Flood map zone

909 No identified flood risk.

Safeguarding

910 There is an HSE safeguarding zone for the quarry.

Agricultural Land Classification

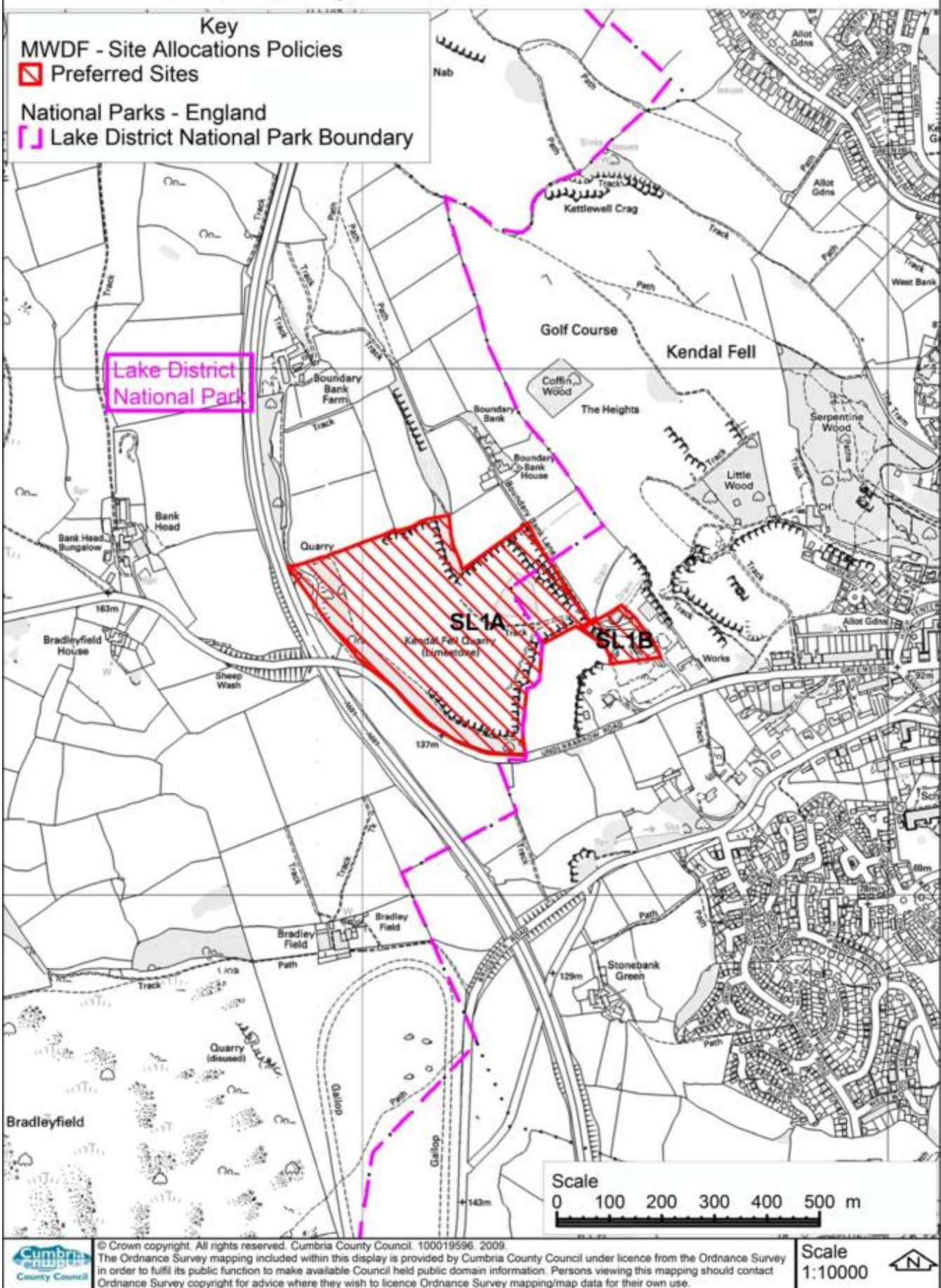
911 Grade 4 - less than 20% likelihood that this is Best and Most Versatile land.

Sequential approach

912 This is a brownfield site in a town.

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SL1 - Kendal Fell Quarry, Kendal



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M30 Roan Edge Quarry, New Hutton

- 913** Land adjacent to this high specification roadstone quarry is a proposed Area of Search for its extension.
- 914** This quarry is next to M6 junction 37. It produces high skid resistance roadstone for a regional market. Planning permission has been granted for 9.5 million tonnes of additional reserves, but further provision may need to be considered towards the end of the plan period.
- 915** There are concerns that former regional policy restrictions on quarries in the Yorkshire Dales National Park may put increased pressure on Cumbrian quarries, particularly this one.
- 916** At planning application stage, the re-routing of the public right of way, that follows the existing quarry boundary, would be a consideration.

Summary of comments from the Regulation 25 consultation stage

- 917** Comments received during this consultation were: that it was broadly acceptable to the highway authority; the parish council expressed no objection to the proposal, providing that when work takes place at the site, the public footpath through it is moved to the east and the area is securely fenced.

Environmental assets

- 918** Killington Reservoir County Wildlife Site is 260m away, on the other side of the M6 motorway; an area of calcareous grassland UK priority habitat lies 460m away and one of heathland is 900m away; Firbank Fell CWS lies 940m away; Hutton Park Mire CWS is 950m; Brundrigg Moss CWS is 1.2km; Lily Mere & New Park Mosses CWS and Lambrigg Tarn & Fell CWS are both 1.4km away.
- 919** A bridleway is adjacent to the west of the existing quarry, between it and the proposed area.

Enhancement potential

- 920** Potential for habitat creation/enhancement.

Flood map zone

- 921** No identified flood risk.

Safeguarding

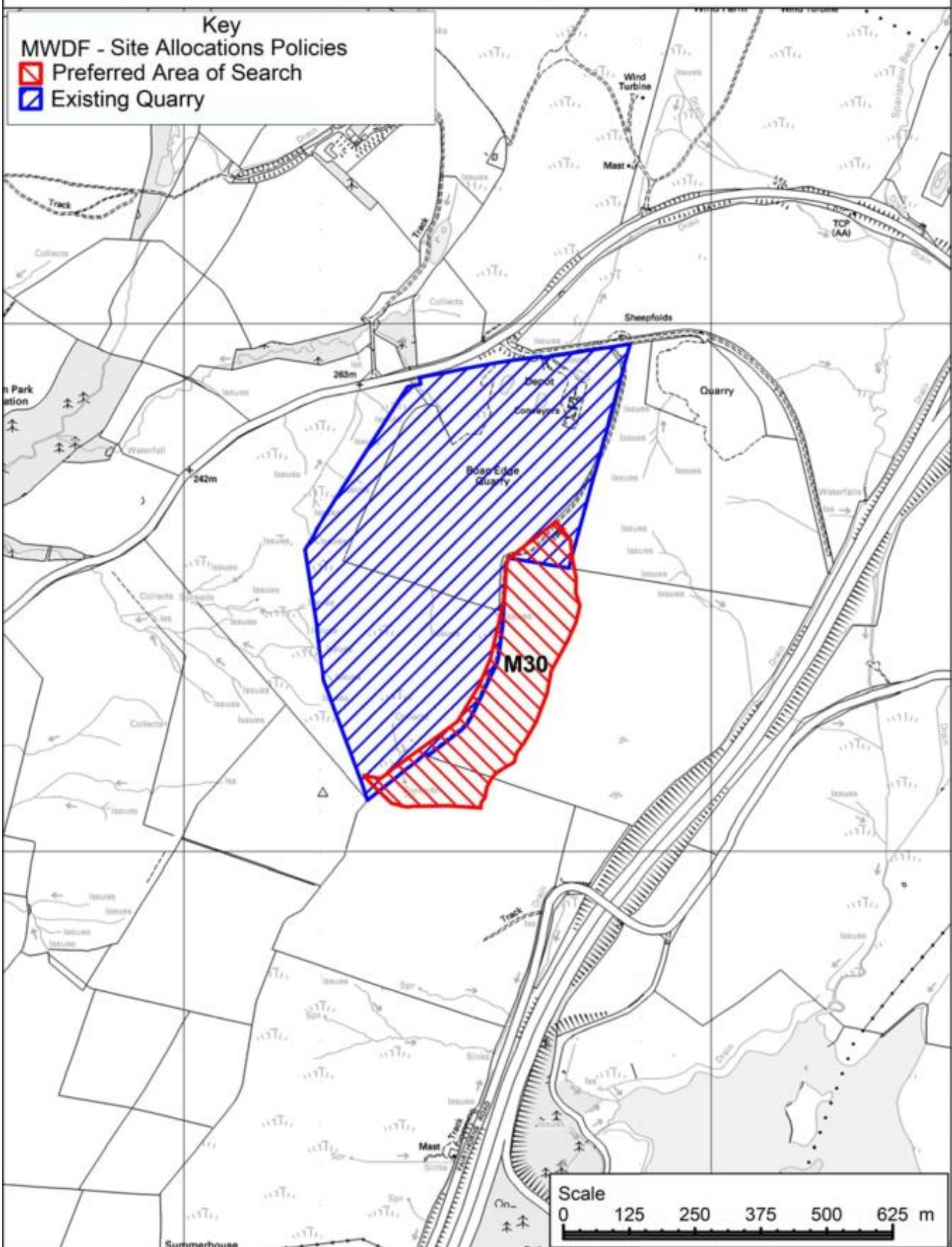
- 922** The site lies within the Kendal-Lancaster Canal safeguarding area.

Agricultural Land Classification

- 923** Grade 5 - less than 20% likelihood that this is Best and most Versatile land.

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M30 - Roan Edge Quarry, New Hutton, Kendal



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Other sites in South Lakeland that have been considered

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SL24 Lindal former ore mill sidings, Lindal

- 924** This site was not included in the 2007 consultations. It has been included in South Lakeland District Council's consultations for possible development sites. It was put forward for consideration as a possible waste transfer station site. It is not a preferred site.

Summary of comments from previous consultation stages

- 925** This site would not appear to be suitable for waste treatment, given its history of subsidence, presence of underground limestone and one workshop, which may have left a legacy of pollution. The site might also be regarded as too close to houses for waste treatment use, and would be better used for light industry, reflecting its historic use.

Environmental assets

- 926** There are several County Wildlife Sites (CWS) in the locality - Dalton and Lindal Mining Area CWS is around 725 metres away; Little Urswick Crags, Stone Walls & Bower Wood CWS is 1.4km; Flat Woods CWS is 1.5km; and Dalton Railway Cutting CWS is 1.6km. Ancient Woodlands in the area - Heaning Wood, also semi-natural woodland UK priority habitat, is 920m away; Flat Woods is 1.5km and Bower Wood is 1.6km. An area of calcareous grassland UK priority habitat is 1.6km away.
- 927** There are records of badgers, noctule bats and brown hares in the vicinity.
- 928** National cycle route 72 runs adjacent to the north west boundary of the site.

Enhancement potential

- 929** Potential for habitat creation/enhancement.
- 930** Information needed on historic industrial remains - mitigation may be required.

Flood map zone

- 931** No identified flood risk

Safeguarding

- 932** The site is not within a safeguarding area, but the Ulverston to Barrow Transco gas pipeline runs 330m away. The Green Lane former landfill site is 150m away.

Agricultural Land Classification

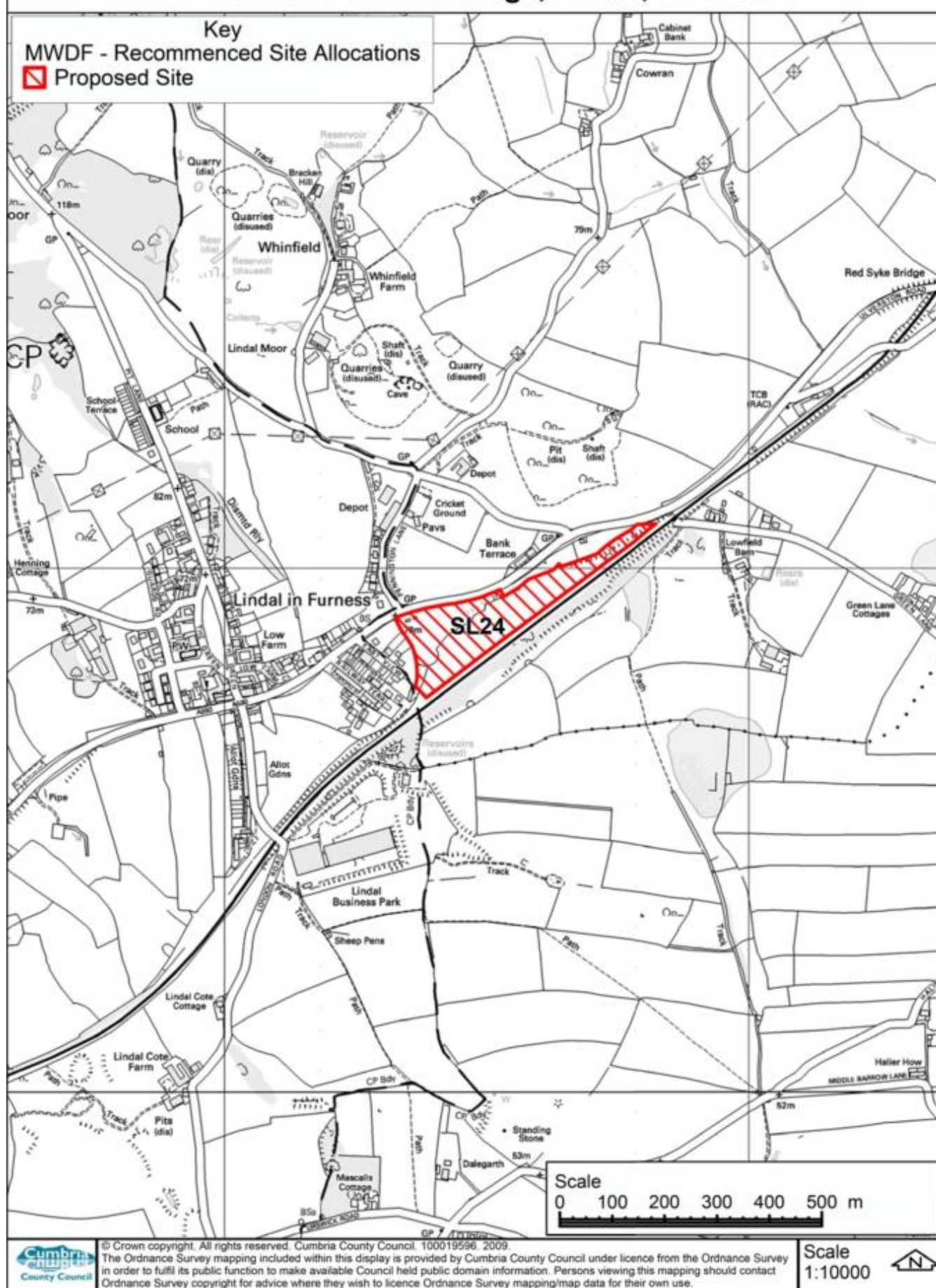
- 933** Grade 3 - less than 20% likelihood that this is Best and Most Versatile land.

Sequential approach

- 934** Although this is described as former sidings, the use was so long ago that the site should be regarded as greenfield. It is not at a town or Key Service Centre.

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SL24 - Lindal Former Ore Mill Sidings, Lindal, Ulverston



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WASTE MANAGEMENT SITE SCORING MATRIX - SL24 Lindal former ore mill sidings, Lindal

Site selection criteria	Description/ Characteristic	Score	Comment/ Explanation/ Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
1. Proximity to waste arisings (by road)	Within 5 miles of the centre of main towns* or of Key Service Centres**	✓✓		NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - reduce waste miles by road and promote the movement of waste by rail and limit or reduce the emission of climate change gases and other air pollutants as a result?	CS1, CS7, GDC1
	Within 5 - 10 miles of the centre of main towns or of Key Service Centres			NR1 – To improve local air quality and reduce greenhouse gas emissions		
	Greater than 10 miles from a town or Key Service Centre			SP5 – To improve the health and well being of people		
2. Accessibility	Access to existing rail facilities			NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - improve access to recycling and composting services, where possible within local communities using sustainable transport choices?	CS1
	Access to existing primary road network	✓✓	Detail of site access could be an issue.			
	Potential for rail access	x	Adjacent to railway but unlikely to have the potential for a new siding.	SP2 – To improve access to services, facilities the countryside and open spaces	- reduce waste miles by road and promote the movement of waste by rail and limit or reduce the emission of climate change gases and other air pollutants as a result?	
	Access to proposed primary road network					
3. Sequential approach	Good local road accessibility					
	Previously developed land (Brownfield)			NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - include measures to avoid soil degradation and pollution?	
	Greenfield	xx	Although previously developed, the site is now regarded as a greenfield site.	NR3 – To restore and protect land and soil	- encourage the siting of waste management facilities on brownfield land?	

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Site selection criteria	Description/ Characteristic	Score	Comment/ Explanation/ Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
	Allocated for waste management or employment use and at a town or key service centre				- seek to protect good quality agricultural land and greenfield sites as far as possible?	
	Allocated for waste management or employment use a but not at a town or key service centre	xx	SLDC considering employment use of the site in LDF.		- account will have to be taken of the proportion of brownfield land in the assessment	
	No owner objection	?		No directly related SA objectives	No directly related SA criteria	
4. Deliverability	Owner objection exists					
5. Flood Risk	Zone 1 or no flood risk	✓✓		NR4 – Manage mineral resources sustainably and minimise waste	Will the option:	
	Zone 2				- alleviate flooding and flood contamination of water resources?	
	Zone 3a			NR2 – To improve water quality and resources	- be in an area at risk from flooding and/or be likely to create a higher risk of flooding elsewhere?	
	Zone 3b (functional floodplain)			EN3 – To improve the quality of the built environment		
6. Other land uses	Conflict unlikely with other land use	✓	Subject to detailed mitigation measures.	No directly related SA objectives	No directly related SA criteria	
	Conflict likely with other land use					
7. Co-location potential	Large enough to accommodate more than one facility			NR1 - To improve local air quality and reduce greenhouse gas emissions	Will the option:	
	Not large enough to accommodate more than one facility	xx		NR3 – To restore and protect land and soil	- minimise loss of greenfield sites or areas of open space? Will site location criteria minimise the need for transport?	

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Site selection criteria	Description/ Characteristic criteria	Score	Comment/ Explanation/ Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
				NR4 – Manage mineral resources sustainably and minimise waste SP5 - To improve the health and sense of well being of people		
8. Proximity to Housing	No houses within 250 metres Houses within 250 metres	xx	Houses adjacent to site boundary.	NR4 – Manage mineral resources sustainably and minimise waste NR1 – To improve local air quality and reduce greenhouse gas emissions SP5 – To improve the health and well being of people	Will the option: - ensure that local air quality is not adversely affected by pollution? - limit the negative impact on people's health and well being?	
9. Environmental Assets	European/National sites, species or habitats Potential to enhance No impact Indirect adverse (site outside designated area) Direct adverse (site directly within designated area) Local sites or priority species/habitats Potential to enhance No impact Requires mitigation/ compensatory measures - Indirect adverse (site outside designated area)	✓		NR4 – Manage mineral resources sustainably and minimise waste EN1 – To protect and enhance biodiversity EN2 – To preserve enhance and manage landscape quality and character for future generations	Will the option: - minimise adverse impacts on species and habitats through human activities and development? - ensure continuity of ecological frameworks such as river corridors, coastal habitats, uplands, woodlands and scrub to enable free passage of specific habitat dependent species? - take account of the impacts of climate change on biodiversity?	

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Site selection criteria	Description/ Characteristic	Score	Comment/ Explanation/ Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
	Requires compensatory measures for Direct adverse impact (site directly within designated area)				- protect and conserve habitats and species especially where these may be rare, declining, threatened or indigenous? - ensure biodiversity sustainability by enhancing conditions wherever necessary to retain viability of the resource?	
10. Visual and landscape Impact	Site not likely to impact on nationally designated landscape areas	✓✓		NR4 – Manage mineral resources sustainably and minimise waste EN2 – To preserve, enhance and manage landscape quality and character for future generations EN3 – To improve the quality of the built environment	Will the option: - protect local landscape quality, distinctiveness and character protected from unsympathetic development? - maintain the remoteness and tranquility of landscapes? - protect the appearance of world heritage sites, designated archaeological sites, historic parks and gardens, battlefields and their settings? - protect areas of high archaeological and historic landscape sensitivity? - factor in anticipated impacts of extreme weather events on landscape character and other valued assets?	
	Site likely to adversely impact on nationally designated landscape areas					

Summary of overall assessment: Small greenfield site, which is being considered for employment use in the South Lakeland Local Development Framework. Access may be an issue. Not a preferred site.

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SL25 Roan Edge landfill, New Hutton

935 This site was not identified in the 2007 consultations. It is an inert landfill and recycling site used by the main construction, demolition and excavation waste contractor in the south of the county. An extension to the site was put forward for consideration. The site is well located next to junction 37 of the M6 and its visual and landscape impacts have been recently mitigated. However, it has proved difficult to develop the site in an environmentally acceptable way. It is difficult to see how an extension could be developed satisfactorily in this sensitive location. The recent planning permission to increase the capacity of the site required an amount of quarrying to create a void.

936 An extension is not a preferred site.

Environmental assets

937 There are a number of County Wildlife Sites (CWS) in the locality - Killington Reservoir CWS is around 650m away; Firbank Fell CWS and Hutton Park Mire CWS are both around 1km; Lambrigg Tarn and Fell CWS is 1.4km; Lily Mere & New Park Mosses CWS is 1.75km; and Brundrigg Moss CWS is 1.9km away. There are two areas of UK priority habitat in the area - calcareous grassland is around 1.45km distance and heathland is 1km. A Special Roadside Verge lies 850m away.

938 There are records of brown hares, badgers and Small Pearl-bordered Fritillary butterflies in the vicinity.

939 A bridleway runs to the north and west boundaries of the site.

940 There are several areas of open access land within 2km.

Enhancement potential

941 Potential for habitat creation/enhancement.

942 Archaeological work is not recommended.

Flood map zone

943 No identified flood risk.

Safeguarding

944 The site is within a consultation area for British Waterways for development likely to affect Killington Reservoir, which feeds the Kendal-Lancaster Canal.

Agricultural Land Classification

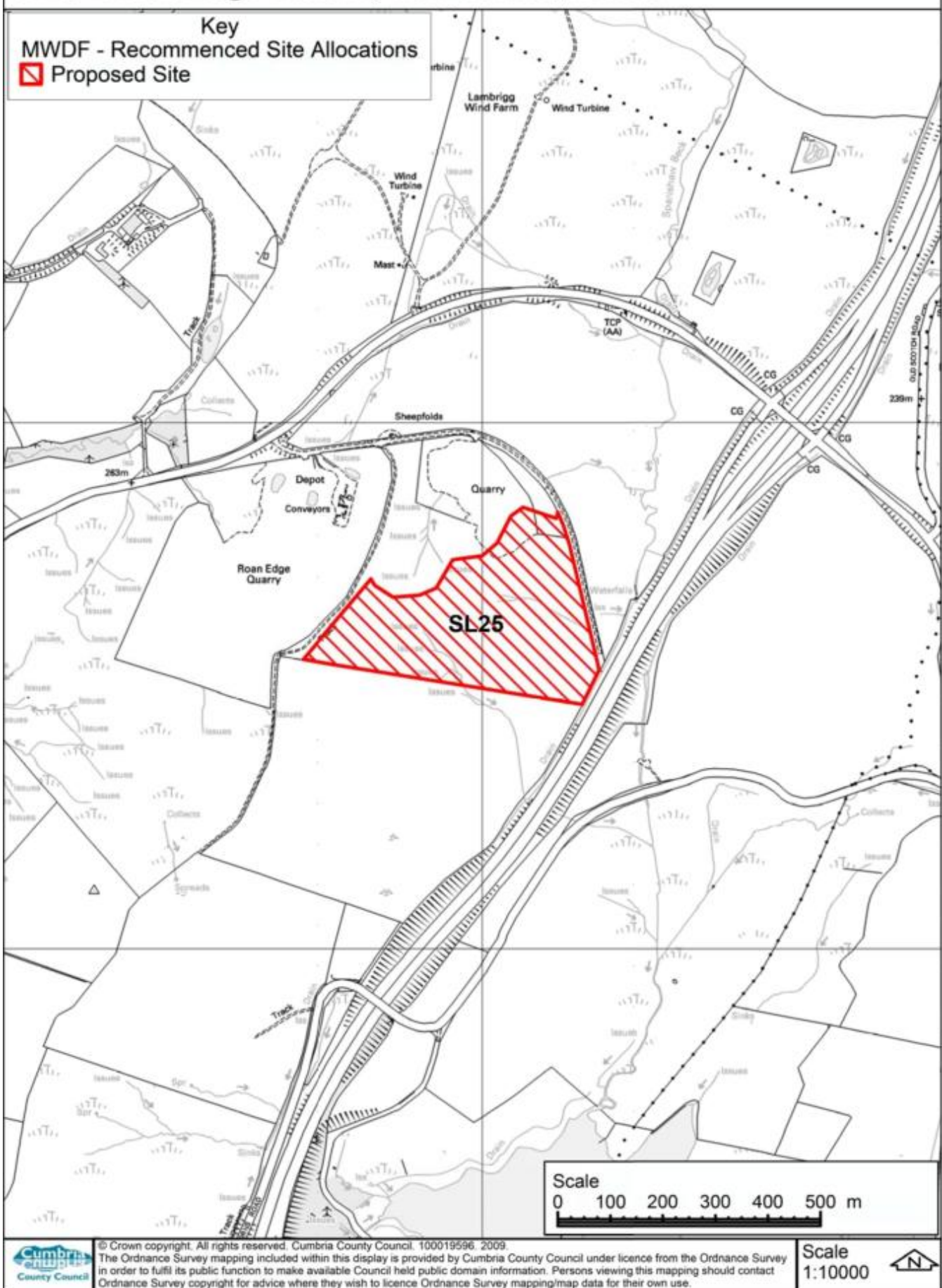
945 Grade 5 - less than 20% likelihood that this is Best and Most Versatile land.

Sequential approach

946 This is greenfield and not within a Town or Key Service Centre.

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SL25 - Roan Edge Landfill, New Hutton, Kendal



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WASTE MANAGEMENT SITE SCORING MATRIX - SL25 Roan Edge landfill, New Hutton

Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
1. Proximity to waste arisings (by road)	Within 5 miles of the centre of main towns*	✓✓		NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - reduce waste miles by road and promote the movement of waste by rail and limit or reduce the emission of climate change gases and other air pollutants as a result?	CS1, CS7, GDC1
	Within 5 - 10 miles from their centres			NR1 – To improve local air quality and reduce greenhouse gas emissions		
	Within 5 miles of Key Service Centres**			SP5 – To improve the health and well being of people		
	Within 5 – 10 miles Key Service Centres					
	Greater than 10 miles from a town or Key Service Centre					
2. Accessibility	Access to existing rail facilities			NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - improve access to recycling and composting services, where possible within local communities using sustainable transport choices?	CS1
	Access to existing primary road network	✓✓				
	Potential for rail access	xx		SP2 – To improve access to services, facilities the countryside and open spaces		
	Access to proposed primary road network					
3. Sequential approach	Good local road accessibility				- reduce waste miles by road and promote the movement of waste by rail and limit or reduce the emission of climate change gases and other air pollutants as a result?	
	Previously developed land (Brownfield)			NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - include measures to avoid soil degradation and pollution?	
	Allocated for waste management or employment use and at a town or key service centre	xx		NR3 – To restore and protect land and soil	- encourage the siting of waste management facilities on brownfield land?	

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Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
	Allocated for waste management or employment use but not at a town or key service centre	xx			- seek to protect good quality agricultural land and greenfield sites as far as possible? Account will have to be taken of the proportion of brownfield land in the assessment	
4. Deliverability	No owner objection	?		No directly related SA objectives	No directly related SA criteria	
5. Flood Risk	Owner objection exists			NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - alleviate flooding and flood contamination of water resources?	
	Zone 1 or no flood risk	✓✓			- be in an area at risk from flooding and/or be likely to create a higher risk of flooding elsewhere?	
	Zone 2			NR2 – To improve water quality and resources		
	Zone 3a			EN3 – To improve the quality of the built environment		
6. Other land uses	Zone 3b (functional floodplain)					
	Conflict unlikely with other land use	✓✓		No directly related SA objectives	No directly related SA criteria	
7. Co-location potential	Conflict likely with other land use					
	Large enough to accommodate more than one facility	✓	Only being considered for inert landfill.	NR1 - To improve local air quality and reduce greenhouse gas emissions	Will the option: - minimise loss of greenfield sites or areas of open space?	
	Not large enough to accommodate more than one facility			NR3 – To restore and protect land and soil	Will site location criteria minimise the need for transport?	

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Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
				NR4 – Manage mineral resources sustainably and minimise waste SP5 - To improve the health and sense of well being of people		
8. Proximity to Housing	No houses within 250 metres Houses within 250 metres	✓✓		NR4 – Manage mineral resources sustainably and minimise waste NR1 – To improve local air quality and reduce greenhouse gas emissions SP5 – To improve the health and well being of people	Will the option: - ensure that local air quality is not adversely affected by pollution? - limit the negative impact on people's health and well being?	
9. Environmental Assets	European/National sites, species or habitats Potential to enhance No impact Indirect adverse (site outside designated area) Direct adverse (site directly within designated area) Local sites or priority species/habitats Potential to enhance No impact Requires mitigation/compensatory measures - Indirect adverse (site outside designated area)	✓	Mitigation to prevent impact on Killington Reservoir County Wildlife Site through watercourse pathways.	NR4 – Manage mineral resources sustainably and minimise waste EN1 – To protect and enhance biodiversity EN2 – To preserve enhance and manage landscape quality and character for future generations	Will the option: - minimise adverse impacts on species and habitats through human activities and development? - ensure continuity of ecological frameworks such as river corridors, coastal habitats, uplands, woodlands and scrub to enable free passage of specific habitat dependent species? - take account of the impacts of climate change on biodiversity?	

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Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
	Requires compensatory measures for Direct adverse impact (site directly within designated area)				- protect and conserve habitats and species especially where these may be rare, declining, threatened or indigenous? - ensure biodiversity sustainability by enhancing conditions wherever necessary to retain viability of the resource?	
10. Visual and landscape Impact	Site not likely to impact on nationally designated landscape areas	✓✓	Natural England is considering extensions to the National Parks and AONBs in this area.	NR4 – Manage mineral resources sustainably and minimise waste EN2 – To preserve, enhance and manage landscape quality and character for future generations EN3 – To improve the quality of the built environment	Will the option: - protect local landscape quality, distinctiveness and character protected from unsympathetic development? - maintain the remoteness and tranquility of landscapes? - protect the appearance of world heritage sites, designated archaeological sites, historic parks and gardens, battlefields and their settings? - protect areas of high archaeological and historic landscape sensitivity? - factor in anticipated impacts of extreme weather events on landscape character and other valued assets?	
	Site likely to adversely impact on nationally designated landscape areas					

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SL26 Near Junction 36 of M6 motorway

947 This site was suggested as a transfer/bulking station, but no area was identified.

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M16 Holmescales Quarry, Old Hutton, Kendal

- 948** A proposed extension to this quarry was put forward. It produces high skid resistance roadstone for a regional market. Although its planning permission does not expire until 2042, the current permitted reserve of 770,000 tonnes will become exhausted around 2014, if worked at the maximum permitted annual output. The nearest alternative sources of similar high specification aggregate are at Roan Edge and in the Yorkshire Dales National Park. The site is within a proposed Minerals Safeguarding Area.
- 949** This quarry has serious accessibility problems for which there are no obvious answers. A recent appeal was dismissed on these grounds. It is not a proposed Area of Search.

Environmental assets

- 950** Cocklet Wood Ancient Woodland, which is also semi-natural woodland UK priority habitat, lies 825m away; Birkrigg Park Wood County Wildlife Site, which is also Ancient Woodland and UK priority habitat, lies 1.3km away; and Blease Hall Wood CWS is 1.7km. Holmescales Quarry is a Regionally Important Geomorphological Site (RIGS).

Enhancement potential

- 951** Potential for habitat creation/enhancement.
- 952** Archaeological work is not recommended.

Flood map zone

- 953** No identified flood risk.

Safeguarding

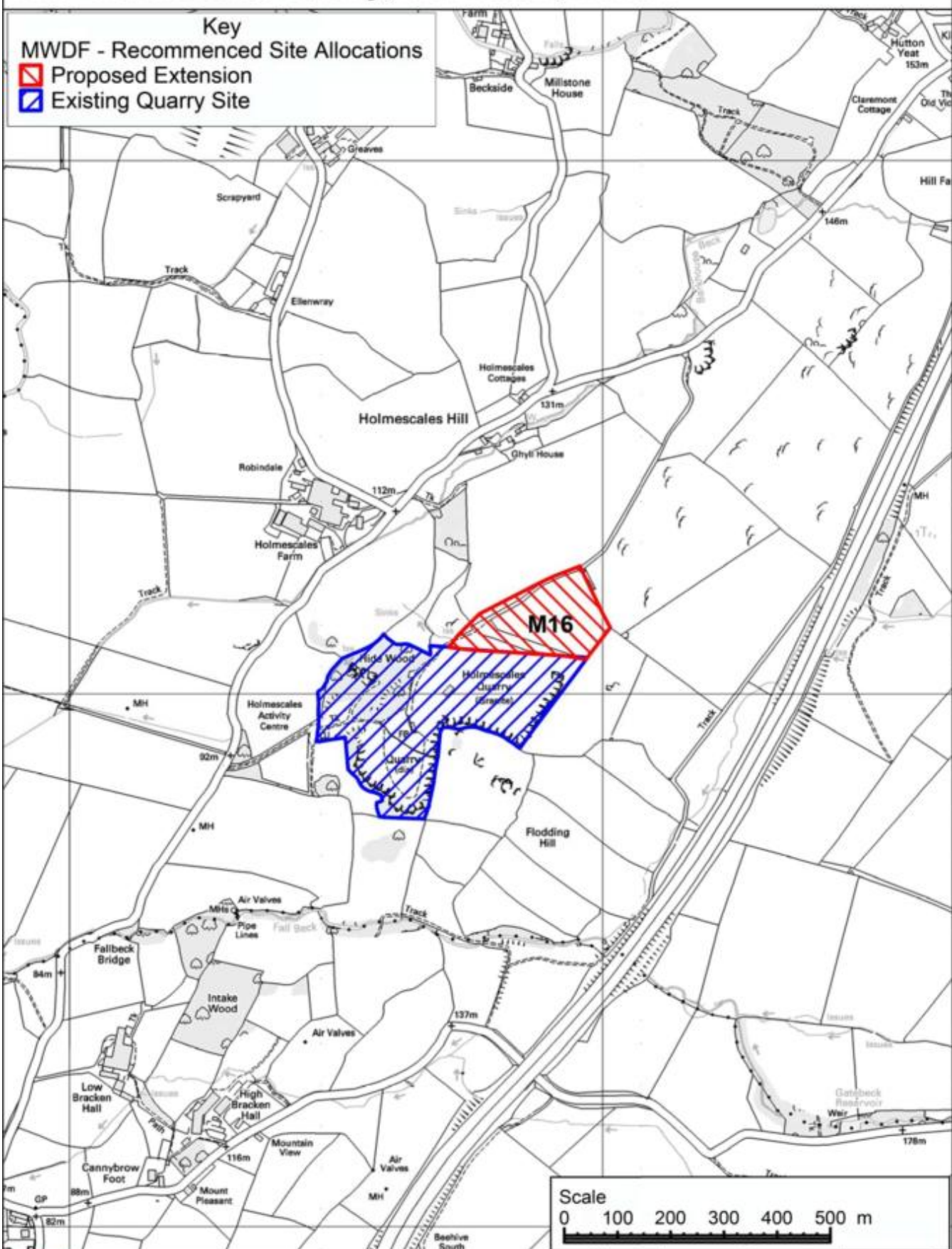
- 954** No safeguarding issues identified.

Agricultural Land Classification

- 955** Grade 4 - less than 20% likelihood that this is Best and Most Versatile land.

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M16 - Holmescales Quarry, Old Hutton, Kendal



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WASTE MANAGEMENT SITE SCORING MATRIX - M16 Holmescales Quarry, Old Hutton, Kendal

Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
1. Accessibility	Access to existing rail facilities			NR4 – To manage mineral resources sustainably and minimise waste	Will the option	CS1 - minimise the need for the transport of minerals and aggregates?
	Access to existing primary road network	xx				
	Potential for rail access	xx		SP5 - To improve the health and sense of well being of people		
	Access to proposed primary road network					
	Good local road accessibility					
2. Deliverability	No owner objection	✓✓		No directly related SA objectives	No directly related SA criteria	
3. Flood Risk	Owner objection exists					See GDC policy 13 – Flood Risk
	Zone 1 or no flood risk	✓✓		NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - alleviate flooding and flood contamination of water resources?	
	Zone 2					
	Zone 3a					
	Zone 3b (functional floodplain)			NR2 – To protect and improve water quality and resources EN3 – To improve the quality of the built environment	- be in an area at risk from flooding and/or be likely to create a higher risk of flooding elsewhere?	
4. Other land uses	Conflict unlikely with other land use	✓✓		No directly related SA objectives	No directly related SA criteria	
	Conflict likely with other land use					
	Not large enough to accommodate more than one facility					

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Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
5. Proximity to Housing	No houses within 250 metres			NR4 – Manage mineral resources sustainably and minimise waste	Will the option:	
	Houses within 250 metres	x	One property (Robinson Rock)	NR1 – To improve local air quality and reduce greenhouse gas emissions	- ensure that local air quality is not adversely affected by pollution? - limit the negative impact on people's health and well being?	
				SP5 – To improve the health and well being of people		
6. Environmental Assets	European/National sites, species or habitats			EN1 – To protect and enhance biodiversity	Will the option:	
	Potential to enhance				- protect and conserve habitats and species especially where these may be rare, declining, threatened or indigenous?	
	No impact	✓	But there is an important great crested newt habitat adjacent to existing quarry.	EN2 – To preserve enhance and manage landscape quality and character for future generations	- ensure biodiversity sustainability by enhancing conditions wherever necessary to retain viability of the resource?	
	Indirect adverse (site outside designated area)				- minimise adverse impacts on species and habitats through human activities and development?	
	Direct adverse (site directly within designated area)				- ensure continuity of ecological frameworks such as river corridors, coastal habitats, uplands, woodlands and scrub to enable free passage of specific habitat dependent species?	
	Local site or for biodiversity priority species/habitat					
	Potential to enhance					
	No impact	✓	RIGS in existing quarry			
	Requires mitigation/compensatory measures -					
	Indirect adverse (site outside designated area)					
	Requires mitigation/compensatory measures for Direct adverse impact (site directly within designated area)					

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Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
					- take account of the impacts of climate change on biodiversity?	
7. Visual and landscape Impact	Site not likely to impact on nationally designated landscape areas – Heritage Coasts, Areas of Outstanding Natural Beauty and National Parks	✓✓		NR4 – Manage mineral resources sustainably and minimise waste EN2 – To preserve, enhance and manage landscape quality and character for future generations EN3 – To improve the quality of the built environment	Will the option: - protect local landscape quality, distinctiveness and character protected from unsympathetic development? - maintain the remoteness and tranquility of landscapes? - protect the appearance of world heritage sites, designated archaeological sites, historic parks and gardens, battlefields and their settings? - protect areas of high archaeological and historic landscape sensitivity? - factor in anticipated impacts of extreme weather events on landscape character and other valued assets? - conserve features of historic and architectural importance? - promote energy efficiency, the use of locally sourced materials and low impact operation?	
	Site likely to adversely impact on nationally designated landscape areas					

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M21 Baycliff Haggs Quarry, Baycliff, Ulverston

- 956** There is no doubt about the importance of this and the Kirkby slate quarries, they are an integral part of the operations of what is probably Cumbria's largest mineral operator, in terms of employment. Baycliff Haggs is within a Limestone Pavement Order and it is considered that the issues of a small extension need to be addressed through the planning application process. It is not, therefore, proposed as a preferred site. It falls within the limestone Mineral Safeguarding Area. There is no proposed Minerals Safeguarding Area for slate.

Summary of comments from the Regulation 25 consultation stage

- 957** Provision of Preferred Areas to extend Baycliff Haggs building stone and Kirkby slate quarries have been requested.

Environmental assets

- 958** Scales & Baycliff Haggs County Wildlife Site, which is also subject to a Limestone Pavement Order, falls within part of the site; Morecambe Bay SAC, SPA, Ramsar and SSSI all lie 1km away; Birkkrigg Common Limestone Karst Regionally Important Geomorphological Site (RIGS) is 1.2km; Birkkrigg Common CWS is 1.3km; Sea Wood Ancient Woodland, which is also semi-natural woodland UK priority habitat, is 1.4km; Mere Tarn CWS is 1.5km; Wellhouse Wood CWS is 1.7km; and Urswick Site CWS is 1.8km away.

Enhancement potential

- 959** Potential for habitat creation/enhancement.
- 960** There are archaeological remains in the vicinity - mitigation may be required.

Flood map zone

- 961** No identified flood risk.

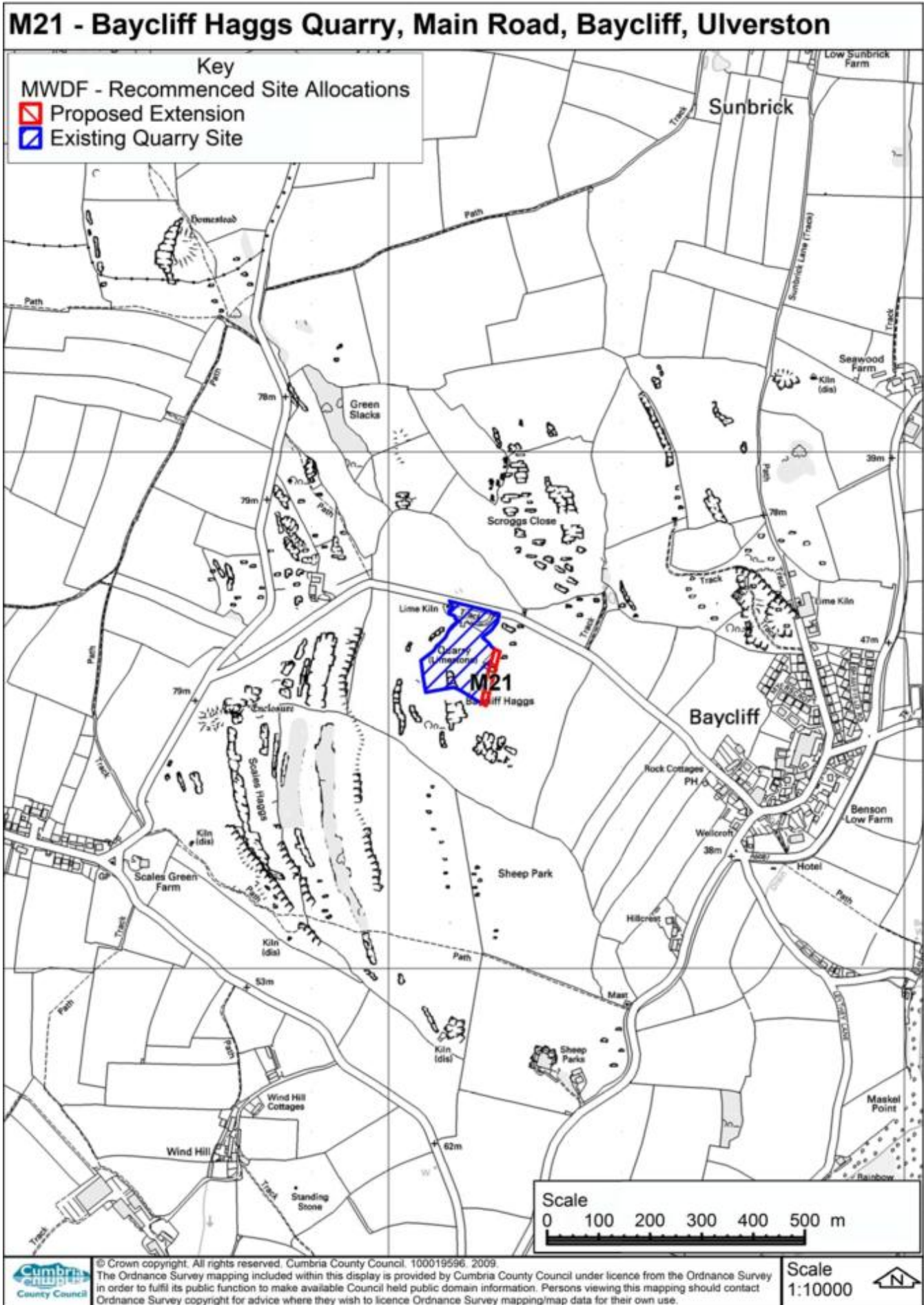
Safeguarding

- 962** No safeguarding issues identified.

Agricultural Land Classification

- 963** Grade 5 - less than 20% likelihood that this is Best and Most Versatile land.

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WASTE MANAGEMENT SITE CORING MATRIX - M21 Baycliff Haggs Quarry, Baycliff, Ulverston

Site selection criteria	Description	Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
1. Accessibility	Access to existing rail facilities				NR4 – To manage mineral resources sustainably and minimise waste	Will the option	CS1
	Access to existing primary road network		✓✓			- minimise the need for the transport of minerals and aggregates?	
	Potential for rail access		xx		SP5 - To improve the health and sense of well being of people		
	Access to proposed primary road network						
	Good local road accessibility						
2. Deliverability	No owner objection		✓✓		No directly related SA objectives	No directly related SA criteria	
3. Flood Risk	Owner objection exists						
	Zone 1 or no flood risk		✓✓		NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - alleviate flooding and flood contamination of water resources?	See GDC policy 13 –
	Zone 2						Flood Risk
	Zone 3a				NR2 – To protect and improve water quality and resources	- be in an area at risk from flooding and/or be likely to create a higher risk of flooding elsewhere?	
	Zone 3b (functional floodplain)				EN3 – To improve the quality of the built environment		
4. Other land uses	Conflict unlikely with other land use		✓✓		No directly related SA objectives	No directly related SA criteria	
	Conflict likely with other land use						
	Not large enough to accommodate more than one facility						

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Site selection criteria	Description	Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
5. Proximity to Housing	No houses within 250 metres		✓✓		NR4 – Manage mineral resources sustainably and minimise waste NR1 – To improve local air quality and reduce greenhouse gas emissions SP5 – To improve the health and well being of people	Will the option: - ensure that local air quality is not adversely affected by pollution? - limit the negative impact on people's health and well being?	
	Houses within 250 metres						
6. Environmental Assets	European/National sites, species or habitats				EN1 – To protect and enhance biodiversity EN2 – To preserve enhance and manage landscape quality and character for future generations	Will the option: - protect and conserve habitats and species especially where these may be rare, declining, threatened or indigenous? - ensure biodiversity sustainability by enhancing conditions wherever necessary to retain viability of the resource? - minimise adverse impacts on species and habitats through human activities and development? - ensure continuity of ecological frameworks such as river corridors, coastal habitats, uplands, woodlands and scrub to enable free passage of specific habitat dependent species?	
	Potential to enhance						
	No impact						
	Indirect adverse (site outside designated area)						
	Direct adverse (site directly within designated area)		xx	Limestone Pavement Order			
	Local site or for biodiversity priority species/habitat						
	Potential to enhance						
	No impact		✓				
	Requires mitigation/compensatory measures -						
	Indirect adverse (site outside designated area)						
	Requires mitigation/compensatory measures for Direct adverse impact (site directly within designated area)						

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Site selection criteria	Description Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
					- take account of the impacts of climate change on biodiversity?	
7. Visual and landscape Impact	Site not likely to impact on nationally designated landscape areas – Heritage Coasts, Areas of Outstanding Natural Beauty and National Parks	✓✓		NR4 – Manage mineral resources sustainably and minimise waste EN2 – To preserve, enhance and manage landscape quality and character for future generations EN3 – To improve the quality of the built environment	Will the option: - protect local landscape quality, distinctiveness and character protected from unsympathetic development? - maintain the remoteness and tranquility of landscapes? - protect the appearance of world heritage sites, designated archaeological sites, historic parks and gardens, battlefields and their settings? - protect areas of high archaeological and historic landscape sensitivity? - factor in anticipated impacts of extreme weather events on landscape character and other valued assets? - conserve features of historic and architectural importance? - promote energy efficiency, the use of locally sourced materials and low impact operation?	
	Site likely to adversely impact on nationally designated landscape areas					

Site selection criteria	Description Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MMDF Policies
8. Economic Potential	Likely to be part of, or aid regeneration and/or safeguard jobs Demonstrable adverse impact on inward investment	✓✓	Part of a major operation supplying slate and building stones.	NR4 – Manage mineral resources sustainably and minimise waste EC1 – To retain existing jobs and create new employment opportunities EC2 – To improve access to jobs EC3 – To diversify and strengthen the local economy	Will the option: - stimulate private sector investment? - stimulate economic diversification? - stimulate innovation and research?	
9. Safeguarding	Not affecting safeguarding procedures/zones* Conflict with safeguarding procedures/zones	✓✓		No directly related SA objectives	No directly related SA criteria	
Summary of overall assessment: A small quarry, but part of a much larger operation, which is an important local employer. Site is within a Limestone Pavement Order. Issues need to be addressed through planning application process, not the development plan.						

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M25 Stainton Quarry, Stainton with Adgarley

- 964** Existing quarry producing high purity limestone and aggregates, with a life beyond the plan period. No need to be included as a preferred option, no assessment matrix has been included.

Summary of comments from previous consultation stages

- 965** Although the planning permission does not expire until 2042, this is subject to periodic reviews and an application for the determination of new conditions is expected to be submitted, with an environmental statement, before the end of 2009. It is suggested that the quarry is included as a Preferred Area, at least until the forthcoming application is determined.

Environmental assets

- 966** Stainton Quarry and Bolton Heads Pavement County Wildlife Site falls partially within the site. Little Urswick Crags, Stone Walls Wood and Boxer Wood Ancient Woodland lies 675m away. Bolton Heads and Stainton Quarry Limestone Pavement Order falls partially within the site. UK priority habitat - calcareous grassland - lies 675m away.
- 967** Dalton Conservation Area lies 1.2km from the site.
- 968** National Cycle Route 72 runs adjacent to part of the NW boundary of the site. A bridleway runs through the site and a public footpath runs through the north of the site.

Enhancement potential

- 969** Potential within a restoration scheme.

Flood map zone

- 970** No flood risk identified.

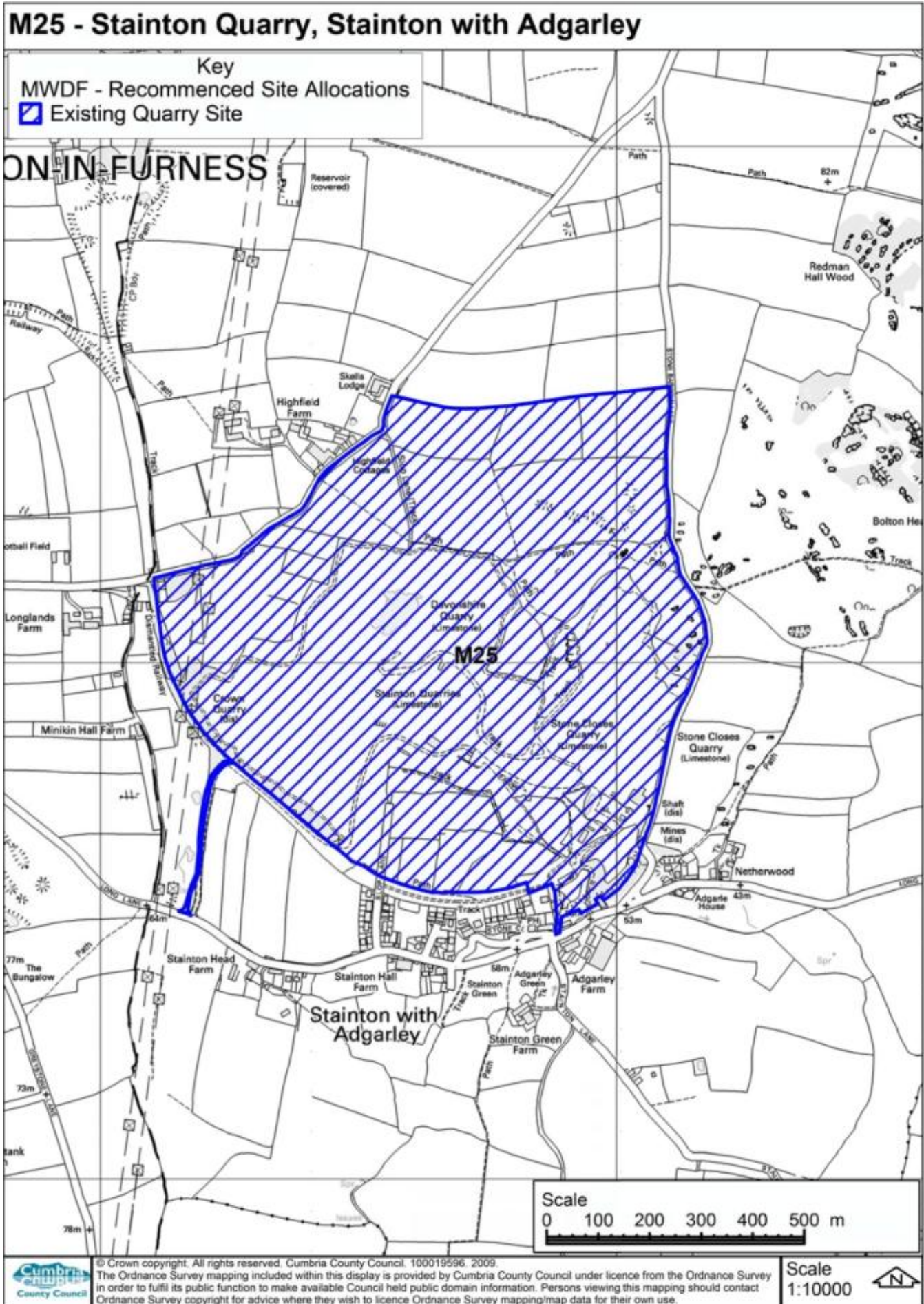
Safeguarding

- 971** No safeguarding issues identified.

Agricultural land classification

- 972** Part grade 3, part grade 5 - less than 20% likelihood that this is Best and Most Versatile land.

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THE FOLLOWING SITES WERE CONSIDERED, BUT EXCLUDED, AT THE EARLIER STAGES OF THE ISSUES AND OPTIONS DISCUSSION PAPER (2006) AND THE ORIGINAL PREFERRED OPTIONS (2007)

SITE		COMMENTS
SL2	Station Yard, Milnthorpe	Not compatible with owners intentions and shortage of employment land in the area
SL4	Millness, Crooklands	Mistakenly thought to be unused land
SL11	Low Mill Tannery, Ulverston	Committed to other development
SL12	Moor Lane, Flookborough	Highway/pedestrian safety issues and impact on tourism/other adjacent uses
SL19	Grisleymires Lane, Milnthorpe	Already committed to other development
SL23	Whinfield Farm, Lindal in Furness	No specific boundaries given