

Cumbria MWDF Site Assessments Report - January 2012

Eden

PROPOSED SITES WITHIN EDEN DISTRICT

FOR WASTE MANAGEMENT

Household Waste Recycling Centres

First preference

- ED10 Crosscroft Industrial Estate, Appleby

Reserve list

- *none*

Waste Treatment Facilities

First preference

- ED31 Flusco waste management site

Reserve

- *ED1 Blencowe Quarry*

Energy from Waste

- None

Landfill

- ED7 Thackwood clay pit

MINERAL SITES PREFERRED AREAS OR AREAS OF SEARCH

- M18 Stamphill Preferred Area for gypsum

MINERAL SAFEGUARDING

- Limestone, sandstone, igneous rock, sand and gravel and gypsum. (Also old planning permission areas for underground lead and zinc mining).

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ED1 Blencowe Quarry, Newbiggin

- 761** This comprises two areas; an existing industrial estate and the adjacent quarry. It is a reserve list site for modern covered waste treatment facilities, which may include - Mechanical and Biological Treatment plant, Materials Recovery Facility, transfer/bulking station, on around 2-3ha. A new access road could be required.
- 762** This site is on the reserve list because of uncertainty about delivery, the quarry may be developed as a caravan/lodge park, which has planning permission. That part of it within the existing industrial estate is less well located to the road network than the first preference, which is Flusco (ED31). If this development goes ahead, lorries should be routed to avoid the village of Newbiggin.
- 763** The Habitats Regulations Assessment concludes that this site would not have impacts on the River Eden SAC.
- 764** Surveys for great crested newts would be needed, information from the caravan/lodge planning application should be used.

Summary of comments from previous consultation stages

- 765** None received.

Summary of comments from the Regulation 25 consultation stage

- 766** Comments received during this consultation were: that the parish council believes this site is better suited as a caravan site and prefers the Flusco waste management site; the highway authority comments that no large vehicles should go through Newbiggin and the Highways Agency should be consulted; the majority of the site has recently been given permission for a caravan/lodge park; the Environment Agency states that it is important to establish the relationship with the water table and active or passive dewatering; the quarry has a mosaic of habitats of County Wildlife Site quality, which should be taken into account, as well as the great crested newt population; and that the site falls within the River Eden Drinking Water Catchment, so any activity that potentially causes pollution of drinking water should be discussed with United Utilities.

Environmental assets

- 767** At the entrance to the quarry is the roadside verge near Newbiggin County Wildlife Site, which is an area of hay meadows and pastures UK priority habitat. At a distance of 1.3km is an area of fen, marsh & swamp UK priority habitat. The site is around 1.4km from Newton Reigny Moss SSSI. It is 900m from the disused railway line near Newbiggin County Wildlife Site.
- 768** There are notable populations of great crested newts in the locality; a survey would be required to assess populations across the whole of this area to determine the important pond areas and terrestrial land habitat. The site lies 920m east of the Greystoke red squirrel buffer zone.
- 769** The nearest Listed Building is Bunker Hill, around 900m away.

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Enhancement potential

- 770** The species-rich meadow grassland of the Special Verge/CWS requires continued good management.
- 771** A development scheme should incorporate protection of habitats/species on the old quarry waste tip and wetlands, as appropriate.
- 772** No archaeological work recommended.

Flood map zone

- 773** No flood risk identified

Agricultural Land Classification.

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

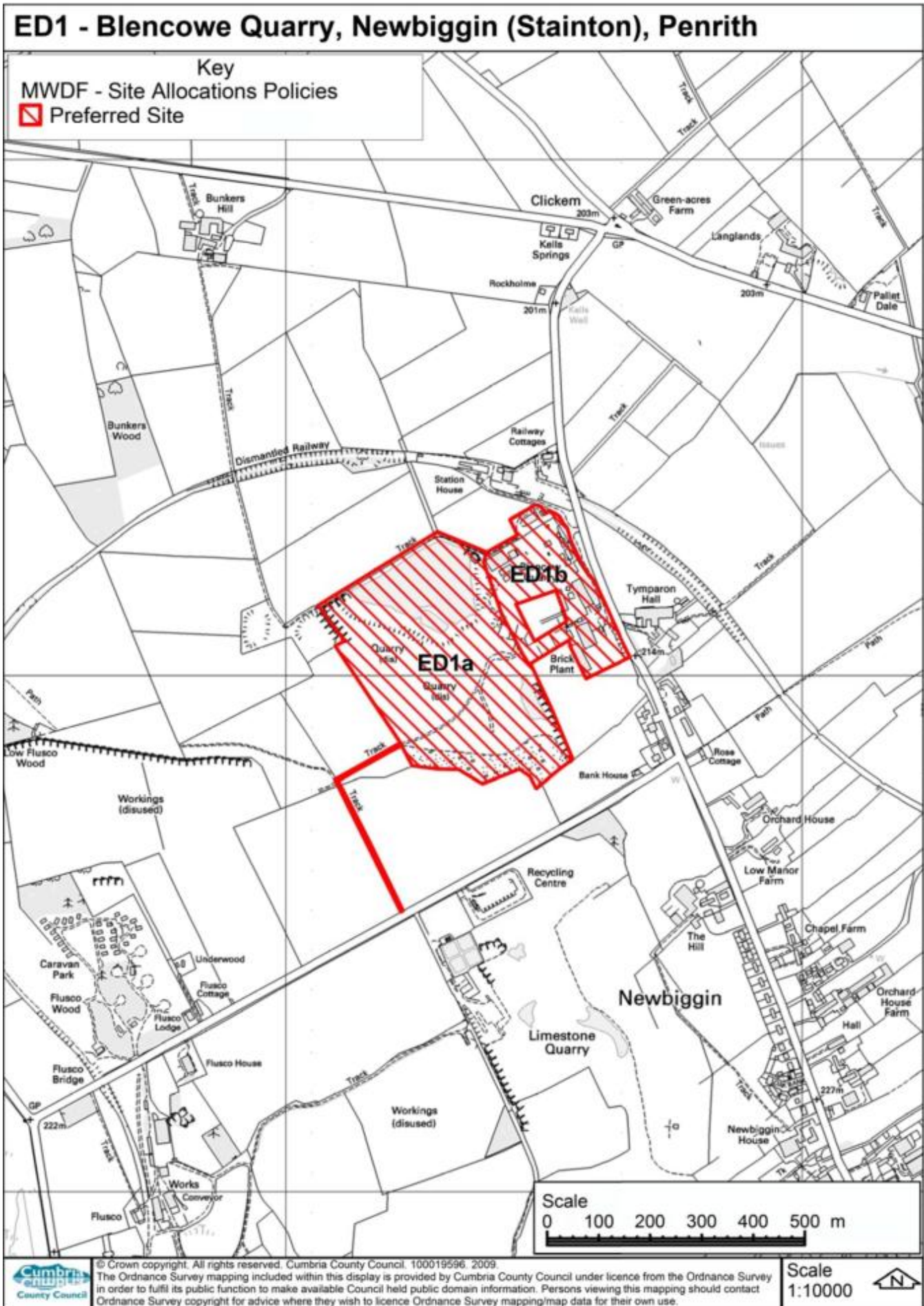
Safeguarding

- 775** The site is within the Great Dun Fell LRRS Technical Site (2) safeguarding area.

Sequential approach

- 776** A brownfield site, which is allocated as employment land, but not within a Town or Key Service Centre.

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ED7 Thackwood, Southwaite, Carlisle

- 777** This site was not included in the 2007 consultations. It has planning permission for clay extraction (which has favourable engineering properties); this permission requires passing places along the access routes. The site has been put forward for consideration, after the clay extraction, as an extension to the adjoining landfill, which has approximately 120,000 cubic metres remaining void space. It would provide at least 380,000 cubic metres of additional void space. This is intended to be used in support of the Materials Recycling Facility for the skip hire business at the adjoining site, which achieves 80% recycling rates including soils, which are retained for site restoration. Landfill would be likely to continue at the existing rate of around 5,000 tonnes/year. Due to the characteristics of the residual waste, this is equivalent to 15 to 23,000 cubic metres/year. The site currently provides 11 jobs plus 14 drivers.
- 778** Although the site is in Eden, it is close to the city of Carlisle and adjoins the operator's materials recovery facility and skip hire business, which achieves high levels of recycling.
- 779** Planning permission for landfill was refused three years ago on the grounds of lack of need and that it had not been demonstrated that there would not be unacceptable cumulative impacts.
- 780** The Core Strategy now identifies the need for additional landfill and a planning application would need to address the cumulative impact issues in accordance with adopted policies.
- 781** The Habitats Regulations Assessment concludes that this site would not have impacts on the River Caldew, which is part of the River Eden SAC.

Summary of comments from the Regulation 25 consultation stage

- 782** Comments received during this consultation were: that no passing places have yet been provided on the access roads, in accordance with highway requirements; the site is next to the Warren Plantation Fault, earth tremors could damage a landfill cell, which could result in devastating consequences in the future; the road network is inadequate; a commitment was given that there would not be landfill; adverse impacts on nearby houses; recycling operations could be done elsewhere, reducing waste miles; good quality agricultural land requires special consideration; other land within the operator's site would have less visual impact; and that planning permission for landfill has previously been refused and it would, therefore, not appear to be appropriate for non-inert wastes.

Environmental assets

- 783** The site is adjacent to an unnamed Ancient Woodland, which is also semi-natural woodland UK priority habitat, and is 1.6km from Gill Beck Wood Ancient Woodland.
- 784** There is a record for red squirrels and one for brown hares in the immediate vicinity.

Enhancement potential

- 785** Potential for habitat creation/enhancement in restoration scheme.

Flood map zone

- 786** No flood risk has been identified.

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Safeguarding

- 787** The site is within both the Carlisle Airport 30km and the Great Dun Fell LRRS Technical Site (2) safeguarding areas.

Agricultural Land Classification

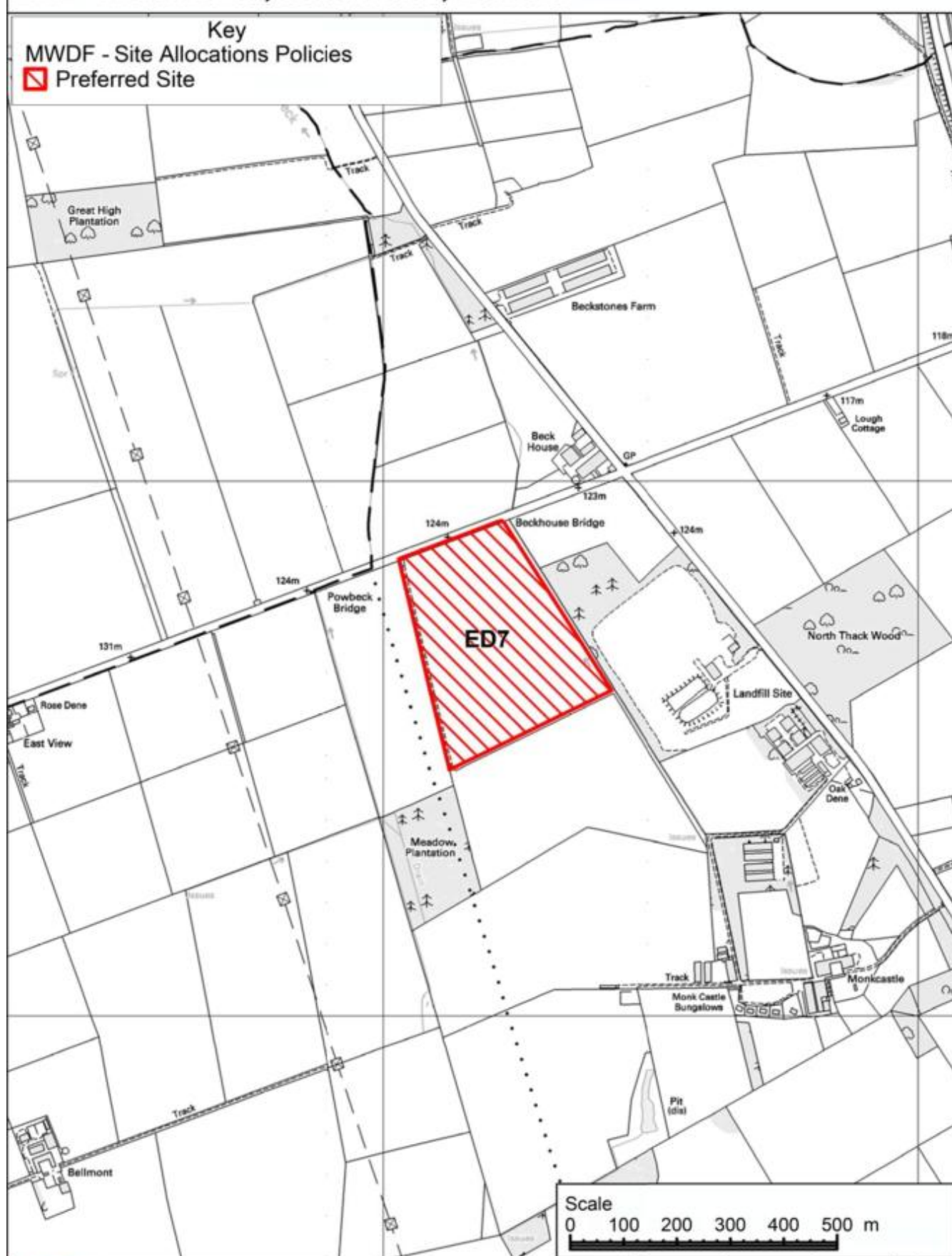
- 788** Grade 3 - 20 to 60% likelihood that this is Best and Most Versatile land.

Sequential approach

- 789** Greenfield, but with planning permission for clay extraction. Not at a town or Key Service Centre.

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ED7 - Thackwood, Southwaite, Carlisle



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ED10 Crosscroft Industrial Estate, Appleby-in-Westmorland

790 This is the first preference site for an HWRC, if one is to be built at Appleby. This would result in lorry traffic going through Appleby.

791 The Habitats Regulations Assessment concludes that this site would not have impacts on the River Eden SAC, North Pennine Moors SPA or Moor House-Upper Teesdale SAC.

Summary of comments from previous consultation stages

792 The use of the site for a Household Waste Recycling Centre was supported.

Summary of comments from the Regulation 25 consultation stage

793 Comments received during this consultation were: that it could benefit Appleby, much depended on detailed proposals; the highway authority considers the industrial estate road is suitable for heavy vehicles, inevitably this will mean some going through Appleby; it is supported by the Town Council, which is disappointed that there are no current proposals to build it; and that the site falls within the River Eden Drinking Water Catchment, so any activity that potentially causes pollution of drinking water should be discussed with United Utilities.

Environmental assets

794 The site is within 900m of the River Eden and Tributaries SAC and SSSI; Dowpitts Wood County Wildlife Site is 1.5km away; both Dowpitts Wood and Flackbridge Wood Ancient Woodlands are 1.5km away; an area of semi-natural woodland UK priority habitat lies at 1.7km; and an area of coastal and floodplain grazing marsh UK priority habitat at 1.3km.

795 Appleby Castle - Registered Historic Park and Garden, is 970m to the west.

796 There are badgers, red squirrels and bats - common pipistrelle, brown long-eared and brandt's - in the locality. The water vole reintroduction zone lies 210m to the south.

797 Cycle path 68 runs along the northern boundary of the site and route 71 along the west.

Enhancement potential

798 Retain mature trees; and general habitat enhancement.

799 No archaeological work recommended.

Flood map zone

800 No identified flood risk.

Safeguarding

801 Within the Great Dun Fell LRRS Technical Site safeguarding area.

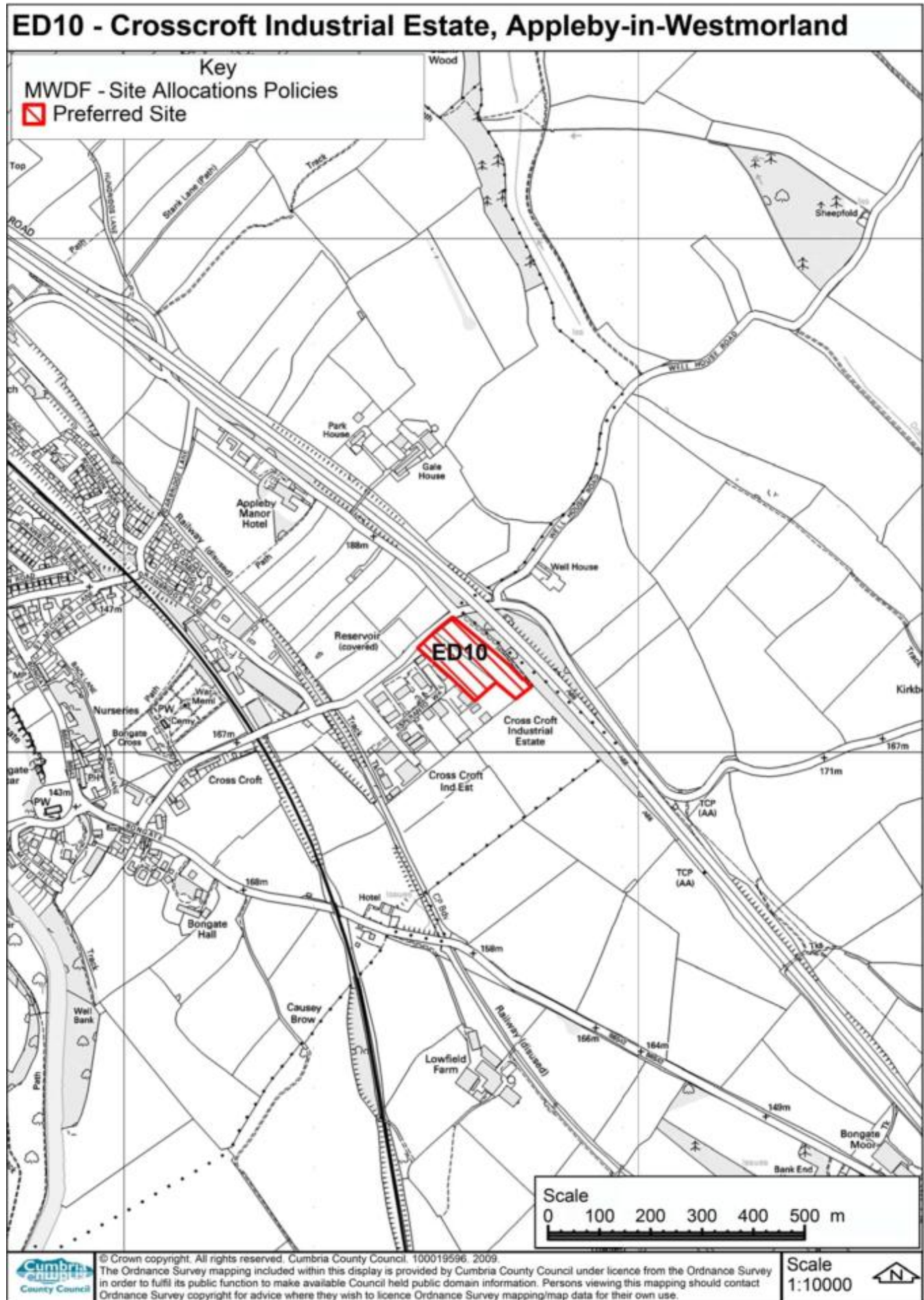
Agricultural Land Classification

802 Grade 3 - 20 to 60% likelihood that this is Best and Most Versatile land.

Sequential approach

803 This is a greenfield site, at a Key Service Centre, that is allocated for employment use.

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ED31 Flusco landfill complex, Flusco, Penrith

- 804** This complex includes a quarry, landfill, leachate lagoons, landfill gas powered electricity generator and a new, modern Household Waste Recycling Centre. It is a first preference for further built waste management treatment facilities - areas ED31a and ED31c have been put forward for consideration for recycling transfer stations, whilst area ED31b has been put forward for an inert waste recycling area. Lorry traffic is directed to use the route to the A66 that avoids the village of Newbiggin.
- 805** The Habitats Regulations Assessment concludes that this site would not have impacts on the River Eden SAC.

Summary of comments from previous consultation stages

- 806** There is a licensed groundwater abstraction close to this site, for the spray irrigation of the nearby golf course.

Summary of comments from the Regulation 25 consultation stage

- 807** Comments received during this consultation were: that no large vehicles should go through Newbiggin and the Highways Agency should be consulted about the A66 junction; the Environment Agency states it is important to establish the relationship with the water table and active or passive dewatering; and that the site falls within the River Eden Drinking Water Catchment, so any activity that potentially causes pollution of drinking water should be discussed with United Utilities.

Environmental assets

- 808** Newton Reigny Moss SSSI, which is also a Cumbria Wildlife Trust Reserve, a Site of Invertebrate Significance and fen, marsh & swamp UK priority habitat, is around 1.6km from the site; the Disused Railway Line Near Newbiggin County Wildlife Site is around 1km away and the Roadside Verge Near Newbiggin CWS, which is also an area of hay meadows and pastures UK Priority Habitat, is around 1km away.
- 809** There are records for great crested newts, red squirrels, brown hares and noctule bats in the vicinity. The Greystoke red squirrel buffer zone lies 930m to the west.
- 810** The licenced groundwater abstraction within the site, primarily to damp down dust, has a quota of 6 tanker-fulls per day.

Enhancement potential

- 811** Associated with the restoration of the quarry/landfill. A newt survey was carried out on the site in 2009.
- 812** No archaeological work recommended.

Flood map zone

- 813** No identified flood risk.

Agricultural Land Classification

- 814** Grade 4 land within a quarry/landfill complex - less than 20% likelihood that this is Best and Most Versatile land.

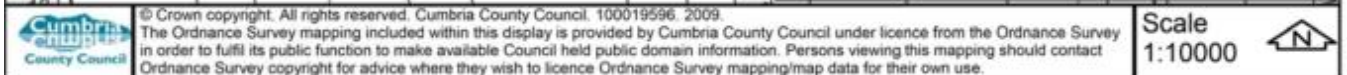
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Safeguarding

- 815** Not within a safeguarding area, although both the Carlisle Airport 30km and the Great Dun Fell LRRS Technical Site (2) safeguarding areas fall within 2km of the site.

Sequential approach

- 816** Not all of the land has been previously developed, it is within a quarrying/landfill complex. The site is not within a Town or Key Service Centre. It is approximately 7km by road west of Penrith.



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M18 Stamphill, Long Marton, Appleby-in-Westmorland

- 817** This is a proposed Preferred Area for gypsum.
- 818** This site would be intended as a replacement for Birkshead underground mine, when that is worked out in around 15 years. The mine supplies gypsum to the nearby Kirkby Thore plaster and plaster board works, which is a major employer and supplies a national market. Gypsum would be taken to the works by conveyor, not by lorries.
- 819** Remaining gypsum resources are too shallow to be worked by underground methods and would be opencast. Stamphill was granted permission in the 1990's but was not developed. A new planning application would be needed, which would have to address the issues raised in the consultations, such as HGV traffic and the use of a conveyor.
- 820** The Habitats Regulations Assessment concludes that, without mitigation measures for otter habitat and drainage, this site could have impacts on the River Eden SAC, but not the North Pennine Moors SPA and Moor House-Upper Teesdale SAC. The restoration scheme could provide substantial habitat enhancements.

Summary of comments from previous consultation stages

- 821** Comments received were: that the highway network is not considered suitable to accommodate large vehicles; there are major concerns about impacts on the village; insufficient information is available; it is very close to the village; and that the site falls within the River Eden Drinking Water Catchment, so any activity that potentially causes pollution of drinking water should be discussed with United Utilities.
- 822** A public meeting was held in mid-November 2009 to explain and discuss the issues raised by this site and the Minerals Safeguarding Areas for gypsum. A further public meeting was held at the Kirkby Thore works in January 2010 and, during the Site Allocations Policies Hearing in Public in October 2010, the session that discussed gypsum was held in Kirkby Thore village. The concerns expressed related also to the Mineral Safeguarding Area and it was agreed that this would be reconsidered, taking account of all gypsum resources, in the review of the Core Strategy.

Environmental assets

- 823** The River Eden SAC and River Eden & Tributaries SSSI lie 450m away; the boundary of the North Pennines AONB is 1.9km. Dufton Ghyll County Wildlife Site is 1.9km away; Dufton Ghyll Ancient Woodland, which is also semi-natural woodland UK priority habitat, is 1.6km; Flackbridge Wood Ancient Woodland is 2.5km; and the Woodland Trust Nature Reserve at Dufton Ghyll Wood is 1.9km.
- 824** The site lies within the water vole potential area; is 740m from the great crested newt potential zone; 660m from the red squirrel buffer; and just over 1km from the goose/swan important area. There are records of common toads, otters, bats (pipistrelle and Daubenton's) skylarks and badgers in the vicinity.
- 825** It is adjacent to the Settle to Carlisle Railway Conservation Area and 2km from the Dufton Conservation Area. The closest Listed Buildings, around 15 to 20, are in Long Marton, around 80m away. There are less than 10 Listed Buildings in Kirkby Thore, the closest of which is 1km away. There are two Scheduled Ancient Monuments at just over 1km away - Camp east of Redlands Bank and Kirkby Thore Roman Fort and Vicus.

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826 National Cycle Route 68, Eden Valley, lies 1.5km away.

Enhancement potential

827 The site is not associated with any existing operations, so a detailed landscape and visual impact assessment would be required to determine the scale and siting of any future operations and any adverse effects on the setting of the North Pennines AONB.

828 There are significant opportunities for habitat enhancement including for great crested newts, water voles and otters, plus general wetland and woodland creation.

829 Potential in restoration scheme, which would need to protect landscape quality, distinctiveness and character.

830 Potential for prehistoric and Roman remains - mitigation would be required.

Flood map zone

831 A narrow strip of flood zones 2 and 3 cuts into the north of the site.

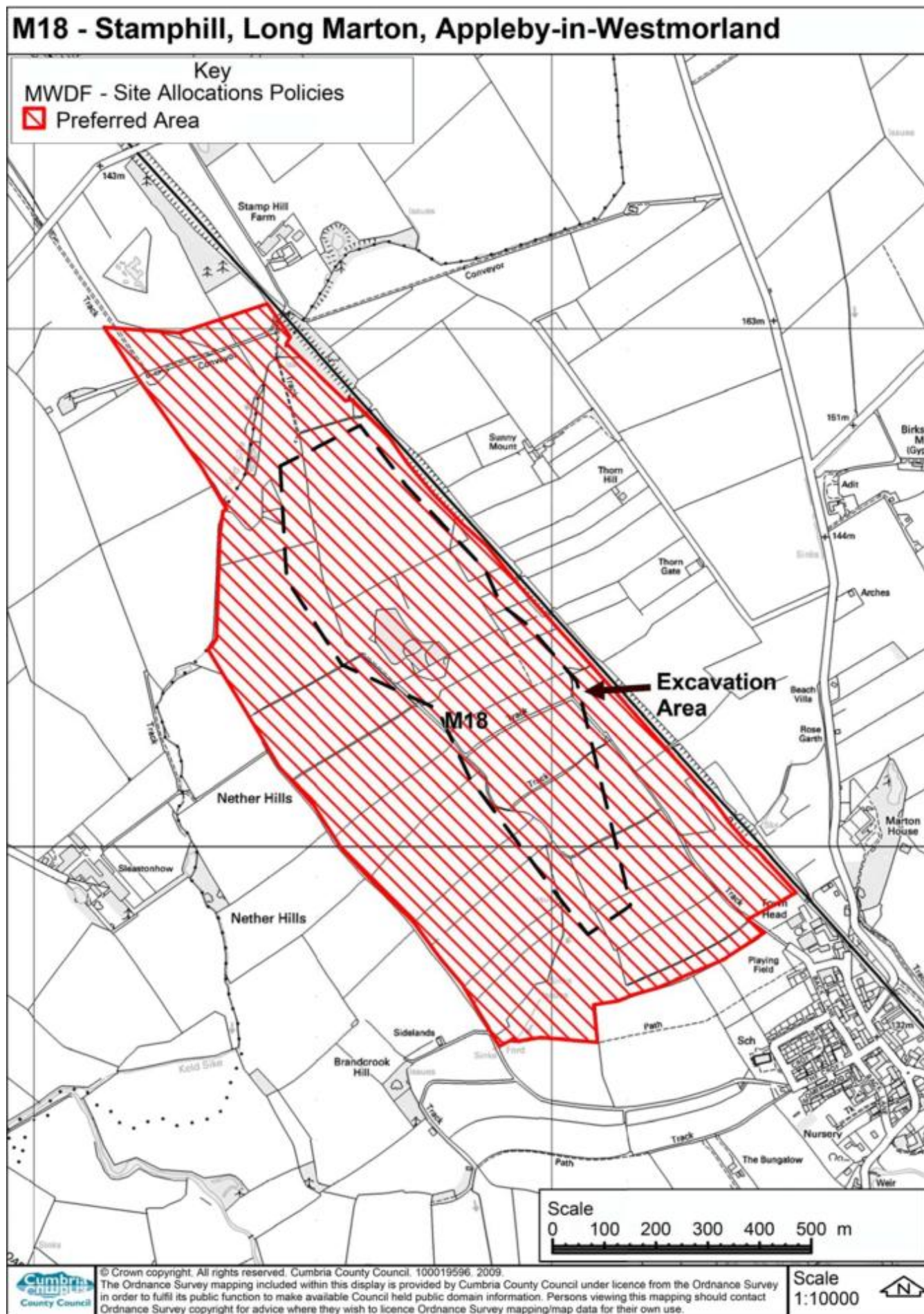
Agricultural Land Classification

832 Grade 3 - greater than 60% likelihood that this is Best and Most Versatile land.

Safeguarding

833 The site lies within the Great Dun Fell LRRS Technical Site (2) consultation area; it is 30m from the Longriggs Mine and 70m from the Birkshead Mine safeguarding areas.

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Other sites in Eden that have been considered

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ED2 North Lakes Business Park, Flusco

- 834** Land adjacent to this industrial estate has been laid out for further development. A larger area was previously identified for modern covered waste treatment facilities, on around 2-3ha. This is not a preferred site, nearby alternatives seem more appropriate.

Summary of comments from previous consultation stages

- 835** Concerns were raised that the site was not only greenfield, it was relatively prominent, and lay within a former County Landscape Area, which was likely to have some sensitivity.

Environmental assets

- 836** An area of special roadside verge is 580m away. The roadside verge near Newbiggin County Wildlife Site, which is an area of hay meadows and pastures UK priority habitat, is about 1.4km away, the disused railway line near Newbiggin CWS is 1.8km.
- 837** There are recent records of notable populations of great crested newts in the locality, a survey would be required to assess populations across the whole of this area to determine the important pond areas and terrestrial land habitat. There could be possible bat issues if any mature trees are affected. There are brown hares in the locality. The site lies 920m east of the Greystoke red squirrel buffer zone.
- 838** The nearest Listed Buildings are in Newbiggin and the nearest of these is The Hill, approximately 450 metres from the site.
- 839** Cycle route 71 runs some distance to the west.

Enhancement potential

- 840** Potential habitat creation/enhancement for great crested newts and bats.
- 841** There is potential for prehistoric remains on the site - mitigation would be required.

Flood map zone

- 842** No identified flood risk.

Safeguarding

- 843** Great Dun Fell LRSS Technical Site (2) and Carlisle Airport safeguarding areas are about 1.8km away.

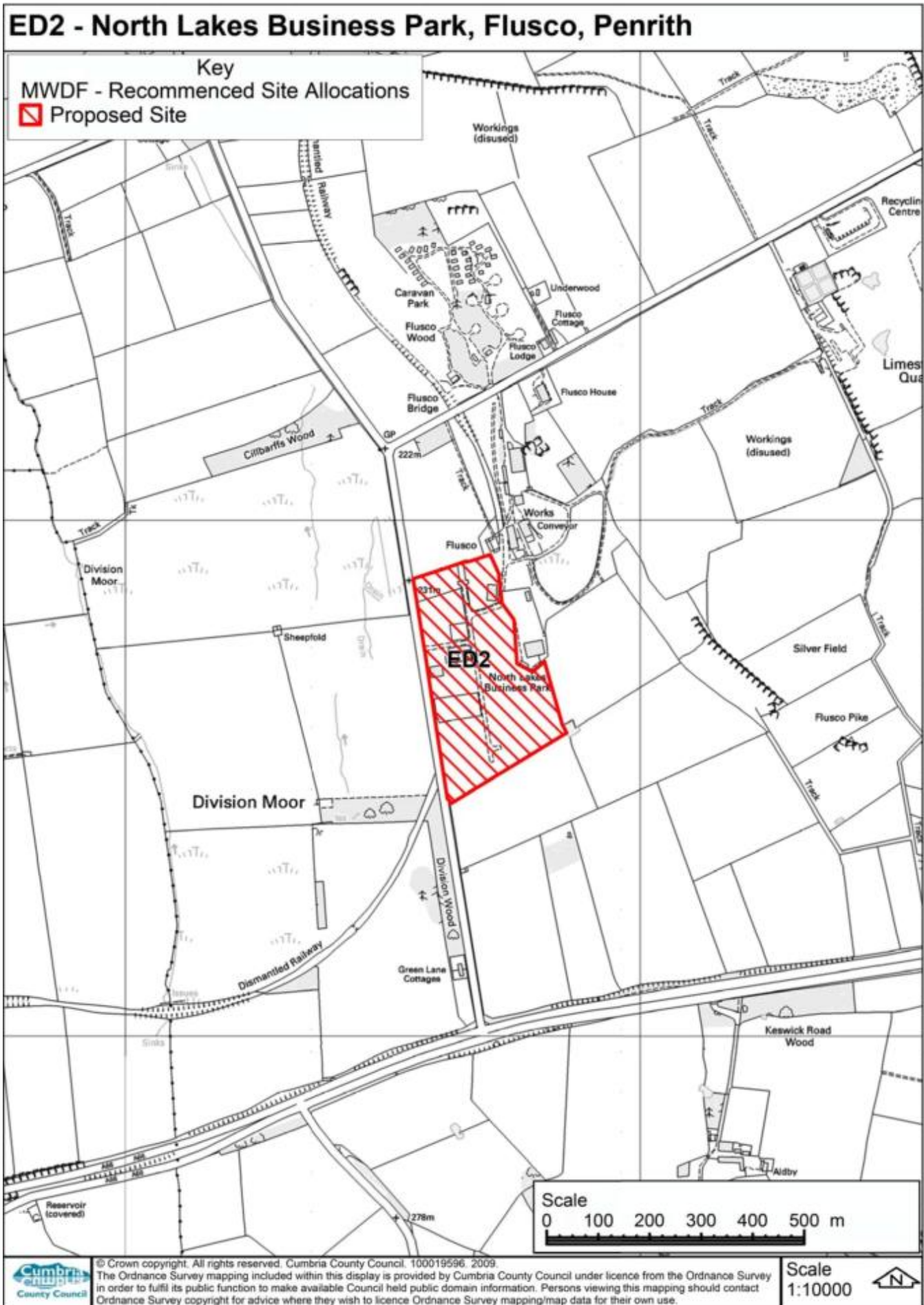
Agricultural Land Classification

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

Sequential approach

- 845** Site laid out for industrial park development, not at a town or Key Service Centre.

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WASTE MANAGEMENT SITE CORING MATRIX - ED 2 North Lakes Business Park, Flusco

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	✓✓				
	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			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	✓✓	The site has been laid out with roads and infrastructure for further development.		- 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	✓✓		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 2			EN3 – To improve the quality of the built environment		
	Zone 3a					
	Zone 3b (functional floodplain)					
6. 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	x	Consideration needed for its primarily business park 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: - minimise loss of greenfield sites or areas of open space?	
	Not large enough to accommodate more than one facility	x	The take up of available industrial units would preclude 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)	✓		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 – 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?	
	Site likely to adversely impact on nationally designated landscape areas					

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ED5 Flusco Lodge Quarry, Stainton

- 846** This site, partly within the National Park, has been suggested for consideration for waste management facilities and for aggregate and building stone quarrying. This is a site in the open countryside, away from settlements, and whilst a former quarry and brickworks, it is not considered to be a suitable location for a built waste management facility - this is not a preferred site.

Environmental assets

- 847** The site lies 1.2km from the River Eden and Tributaries SAC and SSSI; 1.3km from the disused railway cutting near Newbiggin County Wildlife Site and 1.5km from the Dalemmain Meadow CWS; 650m from Eveningbank Wood and 1.3km from Langfield Wood, both Ancient Woodland; it is adjacent to an area of hay meadows and pastures UK priority habitat and is 1.4km from semi-natural woodland UK priority habitat; a Special Roadside Verge is 50m away, on the other side of the A66. It is also 500m from Dalemmain House and grounds - Registered Historic Park and Garden, the Lake District National Park boundary runs across the southern part of the site.
- 848** The Greystoke red squirrel buffer lies around 2.2km away. There are records of brown hares and badgers in the immediate vicinity.
- 849** A public footpath runs along the western edge of the site.

Enhancement potential

- 850** Potential for habitat creation/enhancement.
- 851** Information is required on the extent of modern disturbance - some archaeological mitigation may be needed.

Flood map zone

- 852** No flood risk identified.

Safeguarding

- 853** No safeguarding issues have been identified.

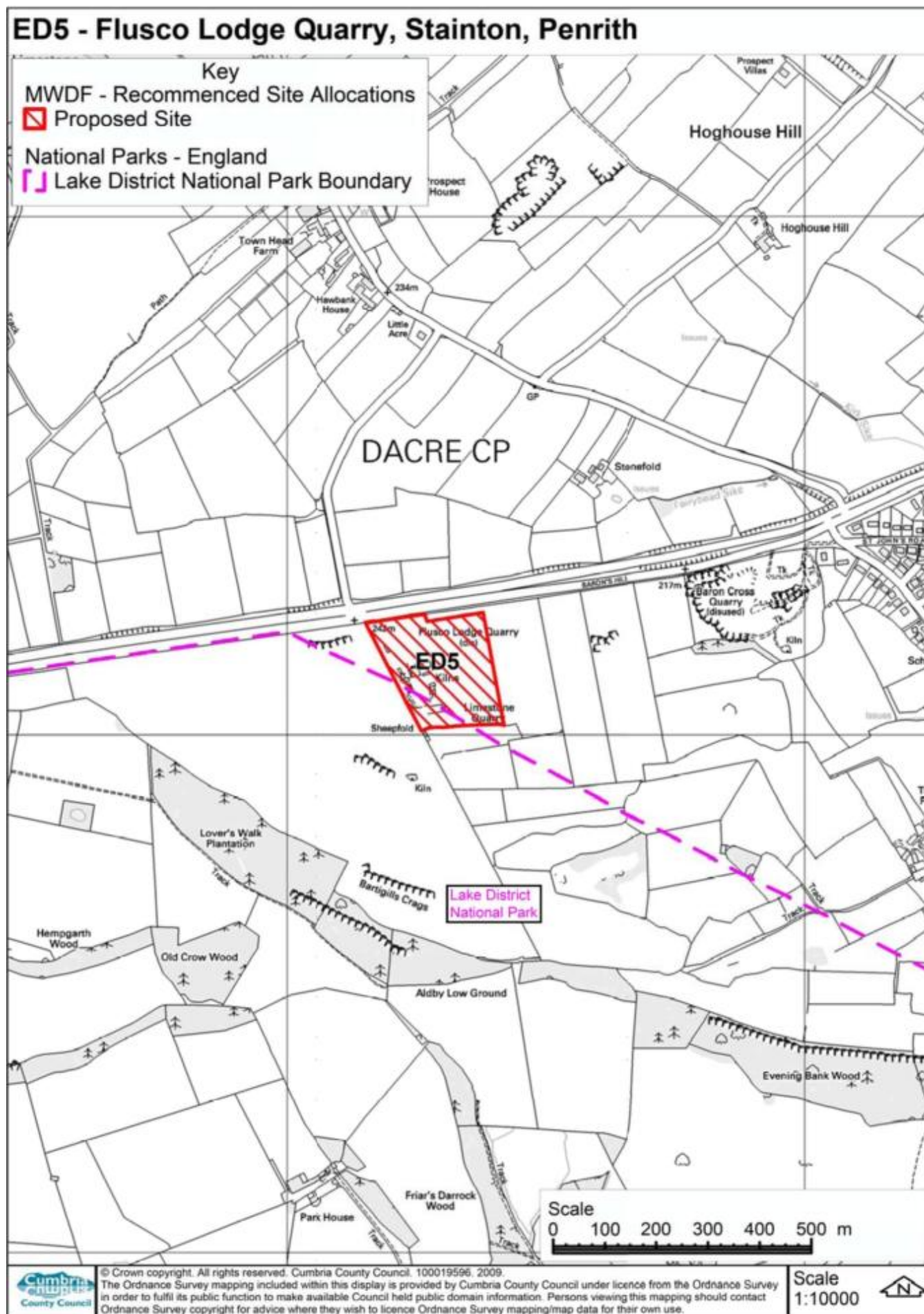
Agricultural Land Classification

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

Sequential approach

- 855** Part brownfield, not at a town or Key Service Centre.

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WASTE MANAGEMENT SITE CORING MATRIX - ED5 Flusco Lodge Quarry, Stainton

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	✓✓	Site access details, including visibility splays, may be an issue.			
	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			NR4 – Manage mineral resources sustainably and minimise waste	Will the option: - include measures to avoid soil degradation and pollution?	
	Sequential (Brownfield)			NR3 – To restore and protect land and soil	- encourage the siting of waste management facilities on brownfield land?	
	Greenfield	x	Although most of the site is brownfield, that part within the National Park is greenfield			

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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? Account will have to be taken of the proportion of brownfield land in the assessment	
	Allocated for waste management or employment use but not at a town or key service centre	xx				
4. Directly	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					
	Zone 2			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 3a			EN3 – To improve the quality of the built environment		
	Zone 3b (functional floodplain)					
6. 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					
7. Other potential	Large enough to accommodate more than one facility	✓✓		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. European 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	? ✓	Development unlikely to adversely affect adjacent UK Priority Habitat (Hay Meadows and Pastures). Local sites or priority species/habitats	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 mitigation/compensatory measures - Indirect adverse (site outside designated area)				- protect and conserve habitats and species especially where these may be rare, declining, threatened or indigenous?	
	Requires compensatory measures for Direct adverse impact (site directly within designated area)				- 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 – 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	Will the option: - protect local landscape quality, distinctiveness and character protected from unsympathetic development? - maintain the remoteness and tranquility of landscapes?	
	Site likely to adversely impact on nationally designated landscape areas	x	The site falls partly within the Lake District National Park.	EN3 – To improve the quality of the built environment	- 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?	

Summary of overall assessment: Direct access onto A66 may be an issue for Highways Agency. This is a site in the open countryside, away from settlements, and whilst a former quarry and brickworks, it is not considered to be a suitable location for a built waste management facility.

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ED32 Blencow, former parish quarry, Newbiggin

856 This site was put forward for consideration for landfill. It is not a preferred option.

Environmental assets

857 Newton Reigny Moss SSSI, which is also a Cumbria Wildlife Trust Reserve, a Site of Invertebrate Significance and fen, marsh & swamp UK priority habitat, is around 1.7km from the site; the disused railway line Near Newbiggin County Wildlife Site is around 1.3km away and the roadside verge near Newbiggin CWS, which is also an area of hay meadows and pastures UK Priority Habitat, is around 480m away.

858 There are records for great crested newts, red squirrels, brown hares and noctule bats in the vicinity. The Greystoke red squirrel buffer zone lies 280m to the west.

Enhancement potential

859 Potential for great crested newt and bat habitat enhancement.

860 Information required on the historic quarry - some archaeological mitigation may be required.

Flood map zone

861 No flood risk identified.

Agricultural Land Classification

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

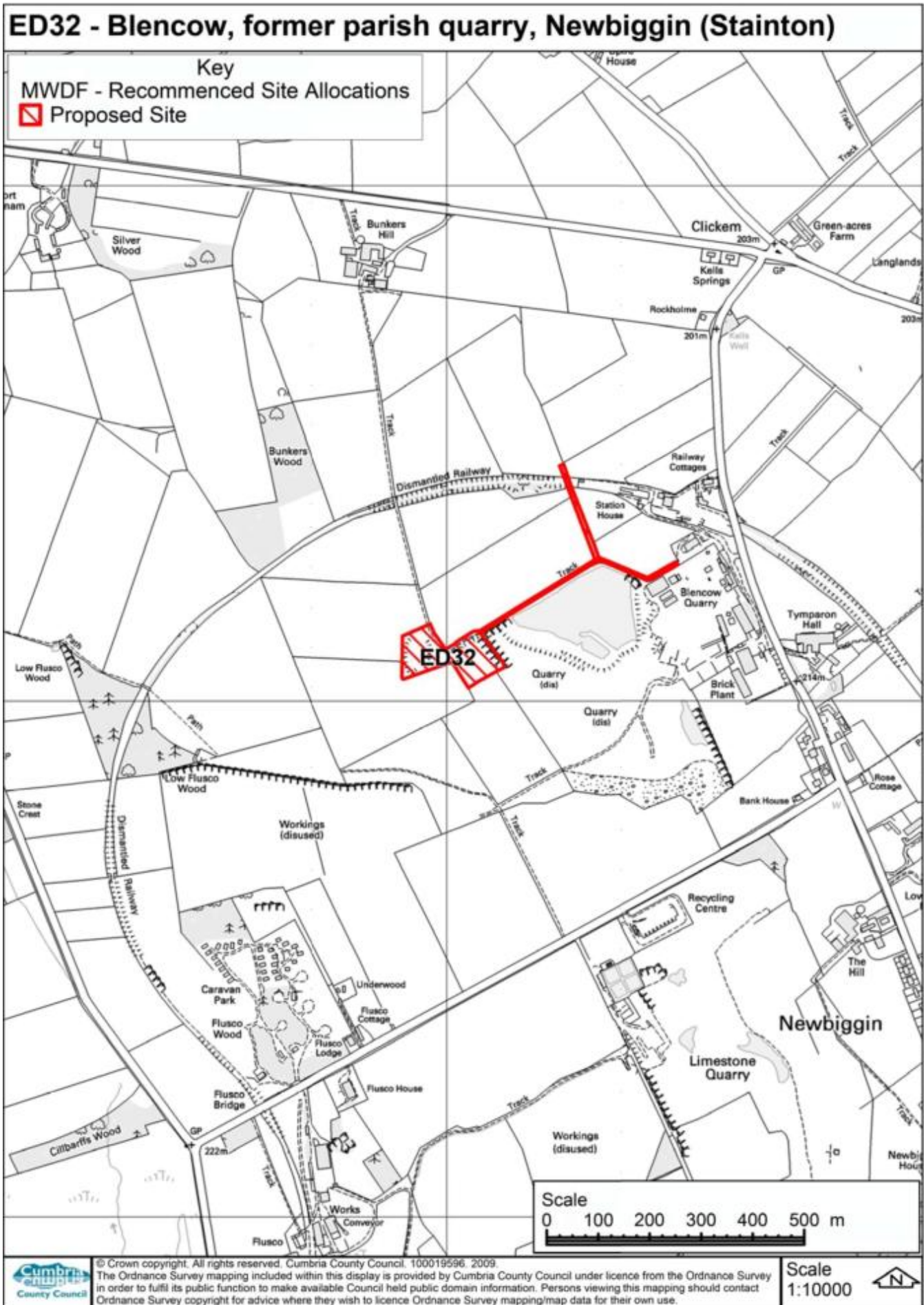
Safeguarding

863 Falls within the Great Dun Fell LRRS Technical Site (2) safeguarding area and is approximately 400m south of the Carlisle Airport 30km safeguarding area.

Sequential approach

864 These are small, former parish quarries disused for many years and now reclaimed by nature. Not at a town or Key Service Centre.

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WASTE MANAGEMENT SITE SCORING MATRIX - ED32 Blencow, former parish quarry, Newbiggin

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	✓	Distance to A66 around 3km			
	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?	
	Greenfield	x	These are former quarries, disused for many years and now reclaimed by nature.	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? Account will have to be taken of the proportion of brownfield land in the assessment	
	Allocated for waste management or employment use but not at a town or key service centre	xx				
	No owner objection	?	Site owned by Parish Council and is common land.	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: - alleviate flooding and flood contamination of water resources?	
	Zone 2					
	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	✓✓		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: - minimise loss of greenfield sites or areas of open space?	
	Not large enough to accommodate more than one facility	xx	This has been put forward for landfill, but its small size would make engineering of	NR3 – To restore and protect land and soil	Will site location criteria minimise the need for transport?	

Cumbria MWDF Site Assessments Report - January 2012

Site selection criteria	Description/Characteristic	Score	Comment/Explanation /Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
			the site to modern standards for deposit, even of inert waste, uneconomic.	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	x	There are no houses within 250m of the potential landfill area.	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 – 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?	
	Site likely to adversely impact on nationally designated landscape areas					

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[illegible]

Cumbria MWDF Site Assessments Report - January 2012

ED33 Tebay former rail sidings

- 865** This site was not identified in the 2007 consultations. It was a first preference for built waste management treatment facilities, which could have included a Materials Recovery Facility and an Energy from Waste plant. This is a small site and facilities would have been relatively small scale. However, the company that had put this site forward has now withdrawn its interest, so this is not a preferred site.
- 866** This is a sensitive site, for example, because of its location near Listed Buildings and access through the village. It is allocated for employment use. It is considered that the matters raised in the consultations would need to be addressed in the planning application process. It seems unrealistic that the site could be reconnected to the rail network.
- 867** The Habitats Regulations Assessment concludes that this site would not have impacts on the North Pennine Dales Meadows SAC, Lake District High Fells SAC or Asby Complex SAC.
- 868** Wildlife surveys would be needed.

Summary of comments from the Regulation 25 consultation stage

- 869** Comments received during this consultation were: that reconnection to the rail network might be an issue to be considered; the highway authority considers the access road and junction are acceptable, but traffic restrictions may be advisable to avoid the junior school opening and closing times; the parish council strongly opposes a waste incinerator in the heart of the village, considers the access roads are not suitable, that there is a public footpath through the site, it is too near the school, existing residences and a proposed residential site, that any emissions could be held in the valley, which experiences cloud and fog, which could be a hazard on the M6, and that a recent proposal for cedar wood chalets has been turned down as detrimental to the environment; there are records for badgers, otters, bats and polecats - compensation/mitigation may be needed; Tebay is a railway village; St James' Church, paid for by railway money, is a Listed Building and the proposed development would be likely to harm its setting, which should be protected; and that the site falls within the River Lune Drinking Water Catchment, so any activity that potentially causes pollution of drinking water should be discussed with United Utilities.

Environmental assets

- 870** The site lies 480m (on the other side of the M6 motorway) from Pikestone Lane Meadows County Wildlife Site and 1.4km from Coalflatt Hall CWS.
- 871** Two Listed Buildings are close by - the Church of St James is 95m away and the gates to its churchyard are 50m away. A Scheduled Ancient Monument, Castle Howe, lies 660m away, on the other side of the M6.

Enhancement potential

- 872** Limited potential.

Flood map zone

- 873** Flood zone 2 affects part of the site and zone 3 is adjacent.

Cumbria MWDF Site Assessments Report - January 2012

Agricultural Land Classification

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

Safeguarding

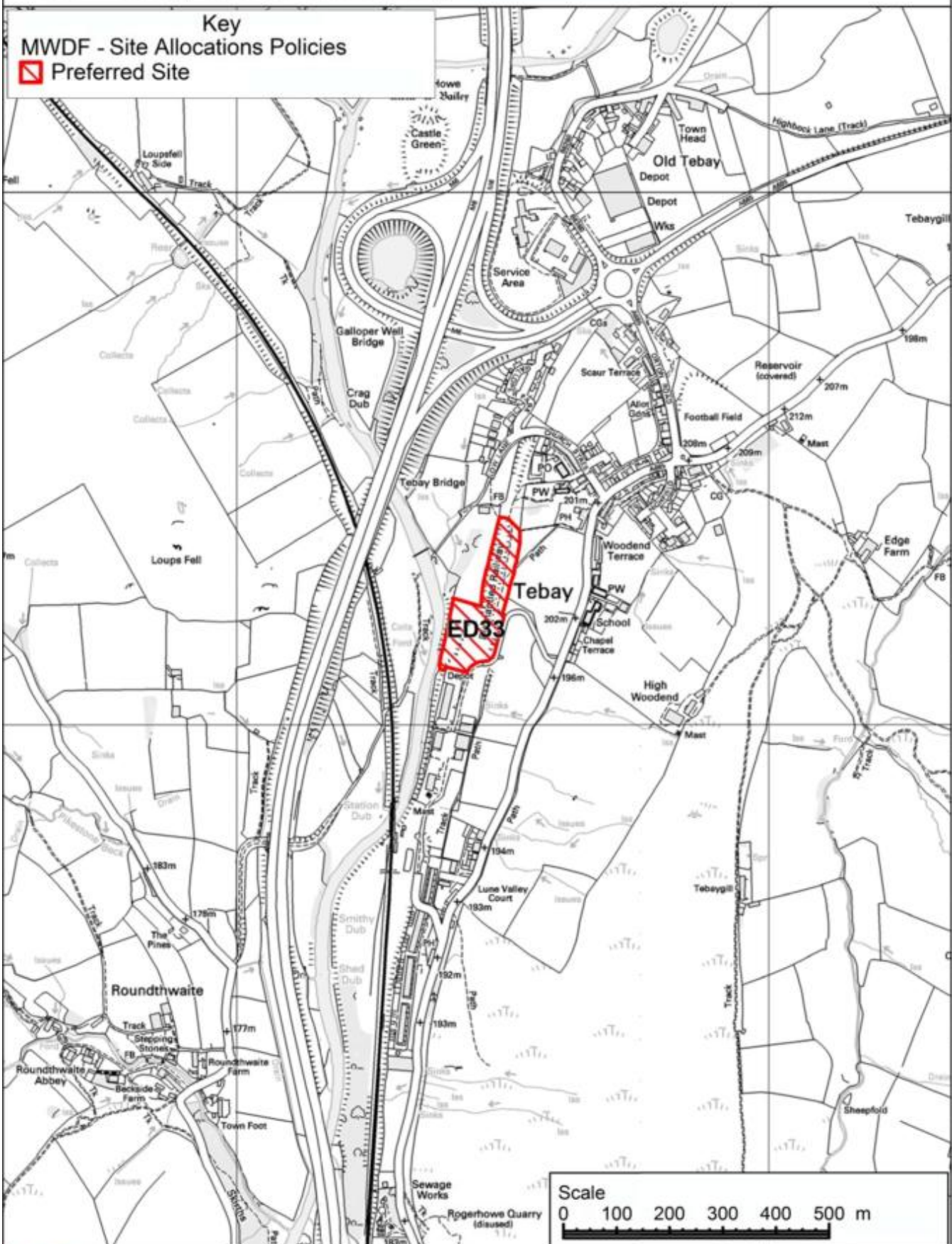
875 The site lies within the Great Dun Fell LRRS Technical Site (2) safeguarding zone.

Sequential approach

876 Brownfield site within 10 miles of a town.

Cumbria MWDF Site Assessments Report - January 2012

ED33 - Tebay former rail sidings



Cumbria MWDF Site Assessments Report - January 2012

WASTE MANAGEMENT SITE SCORING MATRIX - ED33 Tebay former rail sidings

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	✓	Approximately 10 miles to both Kendal and Kirkby Stephen	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	✓	Approx 1km from M6 junction 38, but through Tebay.			
	Potential for rail access	x	Remainder of former sidings land has been developed.	SP2 – To improve access to services, facilities the countryside and open spaces		
	Access to proposed primary road network				- 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?	
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?	
	Allocated for waste management or employment use and at a town or key service centre			NR3 – To restore and protect land and soil	- encourage the siting of waste management facilities on brownfield land?	

Cumbria MWDF Site Assessments Report - January 2012

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	✓	Allocated for employment use in the Eden Local Plan.		- 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	x	Margins of site within Zone 2; not considered to be an issue.	NR2 – To 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?	
	Zone 3a					
	Zone 3b (functional floodplain)					
6. 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					
7. Co-location potential	Large enough to accommodate more than one facility	✓✓	Suggested for a Materials Recovery Facility and Energy from Waste.	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	xx	Much of Tebay village is within 250m.	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	✓	Not considered likely to affect the settings of the Listed Buildings. Wildlife surveys needed.	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?	
	Indirect adverse (site outside designated area)					
	Direct adverse (site directly within designated area)					
	Local sites or priority species/habitats					
	Potential to enhance					

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Site selection criteria	Description/ Characteristic	Score	Comment/ Explanation/ Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
	No impact	✓	Wildlife surveys needed.		- 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?	
	Requires mitigation/ compensatory measures - Indirect adverse (site outside designated area)					
	Requires compensatory measures for Direct adverse impact (site directly within designated area)					
10. 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?	
	Site likely to adversely impact on nationally designated landscape areas					

Cumbria MWDF Site Assessments Report - January 2012

M20 Helbeck Quarry, Brough

- 877** This small extension to the existing quarry, within a very sensitive area, was put forward for geo-technical reasons related to slope stability and not to provide additional reserves. It is considered that the issues raised need to be addressed through the planning application process rather than this Development Framework.

Environmental assets

- 878** The site is adjacent to the North Pennine Moors SPA, the Moor House-Upper Teesdale SAC, the Helbeck and Swindale Woods SAC, which is also semi-natural woodland UK priority habitat, the Appleby Fells SSSI, Helbeck Wood & Swindale Wood SSSI and Swindale Ancient Woodland. The site is also adjacent to an area of calcareous grassland UK priority habitat. It is within the North Pennines AONB. Yosgill Wood Ancient Woodland lies 500m away; Augill Beck Ancient Woodland is 1.3km; and Stepping Stones Ancient Woodland is 2km away.
- 879** Church Brough Conservation Area is 2km away. The closest Scheduled Ancient Monument - Brough Castle and Borough Roman Fort and Civil Settlement - is just over 2km away.
- 880** A bridleway runs adjacent to the site.

Enhancement potential

- 881** Limited potential.
- 882** No archaeological work recommended.

Flood map zone

- 883** No identified flood risk.

Agricultural Land Classification

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

Safeguarding

- 885** The site lies within the Great Dun Fell LRRS Technical Site (2) consultation areas.

Key
 MWDF - Recommended Site Allocations
 [Red hatched box] Proposed Extension
 [Blue hatched box] Existing Quarry Site

Map labels include: Helbeck Intake, Sheepfold, Thornthwaite, Bield, Thornthwaite Sp., Midge Hole, Swindale Wood, Swindale Reservoir (covered), Waterfall, Swindale, M20, Knott, Helbeck Quarry (disused), Helbeck Quarry (old), Lime Kiln (dis), Helbeck Hall, Helbeck Lodge, Helbeck Farm, Helbeck Grange, Helbeck Cottage, Helbeck Low Farm Cottage, Pica Hill, Larch, Hung Riggs, Christ Croft, Hung Riggs, Mount Pleasant Farm, The Riggs, Brough Riggs, Mirkingside Cottage, Intake Side Cottage, 271m, 257m, 289m, 291m, 293m, 295m, 297m, 299m, 301m, 303m, 305m, 307m, 309m, 311m, 313m, 315m, 317m, 319m, 321m, 323m, 325m, 327m, 329m, 331m, 333m, 335m, 337m, 339m, 341m, 343m, 345m, 347m, 349m, 351m, 353m, 355m, 357m, 359m, 361m, 363m, 365m, 367m, 369m, 371m, 373m, 375m, 377m, 379m, 381m, 383m, 385m, 387m, 389m, 391m, 393m, 395m, 397m, 399m, 401m, 403m, 405m, 407m, 409m, 411m, 413m, 415m, 417m, 419m, 421m, 423m, 425m, 427m, 429m, 431m, 433m, 435m, 437m, 439m, 441m, 443m, 445m, 447m, 449m, 451m, 453m, 455m, 457m, 459m, 461m, 463m, 465m, 467m, 469m, 471m, 473m, 475m, 477m, 479m, 481m, 483m, 485m, 487m, 489m, 491m, 493m, 495m, 497m, 499m, 501m, 503m, 505m, 507m, 509m, 511m, 513m, 515m, 517m, 519m, 521m, 523m, 525m, 527m, 529m, 531m, 533m, 535m, 537m, 539m, 541m, 543m, 545m, 547m, 549m, 551m, 553m, 555m, 557m, 559m, 561m, 563m, 565m, 567m, 569m, 571m, 573m, 575m, 577m, 579m, 581m, 583m, 585m, 587m, 589m, 591m, 593m, 595m, 597m, 599m, 601m, 603m, 605m, 607m, 609m, 611m, 613m, 615m, 617m, 619m, 621m, 623m, 625m, 627m, 629m, 631m, 633m, 635m, 637m, 639m, 641m, 643m, 645m, 647m, 649m, 651m, 653m, 655m, 657m, 659m, 661m, 663m, 665m, 667m, 669m, 671m, 673m, 675m, 677m, 679m, 681m, 683m, 685m, 687m, 689m, 691m, 693m, 695m, 697m, 699m, 701m, 703m, 705m, 707m, 709m, 711m, 713m, 715m, 717m, 719m, 721m, 723m, 725m, 727m, 729m, 731m, 733m, 735m, 737m, 739m, 741m, 743m, 745m, 747m, 749m, 751m, 753m, 755m, 757m, 759m, 761m, 763m, 765m, 767m, 769m, 771m, 773m, 775m, 777m, 779m, 781m, 783m, 785m, 787m, 789m, 791m, 793m, 795m, 797m, 799m, 801m, 803m, 805m, 807m, 809m, 811m, 813m, 815m, 817m, 819m, 821m, 823m, 825m, 827m, 829m, 831m, 833m, 835m, 837m, 839m, 841m, 843m, 845m, 847m, 849m, 851m, 853m, 855m, 857m, 859m, 861m, 863m, 865m, 867m, 869m, 871m, 873m, 875m, 877m, 879m, 881m, 883m, 885m, 887m, 889m, 891m, 893m, 895m, 897m, 899m, 901m, 903m, 905m, 907m, 909m, 911m, 913m, 915m, 917m, 919m, 921m, 923m, 925m, 927m, 929m, 931m, 933m, 935m, 937m, 939m, 941m, 943m, 945m, 947m, 949m, 951m, 953m, 955m, 957m, 959m, 961m, 963m, 965m, 967m, 969m, 971m, 973m, 975m, 977m, 979m, 981m, 983m, 985m, 987m, 989m, 991m, 993m, 995m, 997m, 999m, 1001m, 1003m, 1005m, 1007m, 1009m, 1011m, 1013m, 1015m, 1017m, 1019m, 1021m, 1023m, 1025m, 1027m, 1029m, 1031m, 1033m, 1035m, 1037m, 1039m, 1041m, 1043m, 1045m, 1047m, 1049m, 1051m, 1053m, 1055m, 1057m, 1059m, 1061m, 1063m, 1065m, 1067m, 1069m, 1071m, 1073m, 1075m, 1077m, 1079m, 1081m, 1083m, 1085m, 1087m, 1089m, 1091m, 1093m, 1095m, 1097m, 1099m, 1101m, 1103m, 1105m, 1107m, 1109m, 1111m, 1113m, 1115m, 1117m, 1119m, 1121m, 1123m, 1125m, 1127m, 1129m, 1131m, 1133m, 1135m, 1137m, 1139m, 1141m, 1143m, 1145m, 1147m, 1149m, 1151m, 1153m, 1155m, 1157m, 1159m, 1161m, 1163m, 1165m, 1167m, 1169m, 1171m, 1173m, 1175m, 1177m, 1179m, 1181m, 1183m, 1185m, 1187m, 1189m, 1191m, 1193m, 1195m, 1197m, 1199m, 1201m, 1203m, 1205m, 1207m, 1209m, 1211m, 1213m, 1215m, 1217m, 1219m, 1221m, 1223m, 1225m, 1227m, 1229m, 1231m, 1233m, 1235m, 1237m, 1239m, 1241m, 1243m, 1245m, 1247m, 1249m, 1251m, 1253m, 1255m, 1257m, 1259m, 1261m, 1263m, 1265m, 1267m, 1269m, 1271m, 1273m, 1275m, 1277m, 1279m, 1281m, 1283m, 1285m, 1287m, 1289m, 1291m, 1293m, 1295m, 1297m, 1299m, 1301m, 1303m, 1305m, 1307m, 1309m, 1311m, 1313m, 1315m, 1317m, 1319m, 1321m, 1323m, 1325m, 1327m, 1329m, 1331m, 1333m, 1335m, 1337m, 1339m, 1341m, 1343m, 1345m, 1347m, 1349m, 1351m, 1353m, 1355m, 1357m, 1359m, 1361m, 1363m, 1365m, 1367m, 1369m, 1371m, 1373m, 1375m, 1377m, 1379m, 1381m, 1383m, 1385m, 1387m, 1389m, 1391m, 1393m, 1395m, 1397m, 1399m, 1401m, 1403m, 1405m, 1407m, 1409m, 1411m, 1413m, 1415m, 1417m, 1419m, 1421m, 1423m, 1425m, 1427m, 1429m, 1431m, 1433m, 1435m, 1437m, 1439m, 1441m, 1443m, 1445m, 1447m, 1449m, 1451m, 1453m, 1455m, 1457m, 1459m, 1461m, 1463m, 1465m, 1467m, 1469m, 1471m, 1473m, 1475m

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MINERALS SITE SCORING MATRIX - M20 Helbeck Quarry, Brough

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 SP5 - To improve the health and sense of well being of people	Will the option: - minimise the need for the transport of minerals and aggregates?	CS1
	Access to existing primary road network	xx	This quarry is only around 2km from the A66, but access is through Brough.			
	Potential for rail access	xx				
	Access to proposed primary road network					
2. Deliverability	Good local road accessibility			No directly related SA objectives NR4 – Manage mineral resources sustainably and minimise waste NR2 – To protect and improve water quality and resources EN3 – To improve the quality of the built environment	No directly related SA criteria Will the option: - alleviate flooding and flood contamination of water resources? - be in an area at risk from flooding and/or be likely to create a higher risk of flooding elsewhere?	See GDC policy 13 – Flood Risk
	No owner objection	?				
	Owner objection exists					
	Zone 1 or no flood risk	✓✓				
3. Flood Risk	Zone 2			No directly related SA objectives NR4 – Manage mineral resources sustainably and minimise waste NR2 – To protect and improve water quality and resources EN3 – To improve the quality of the built environment	No directly related SA criteria Will the option: - alleviate flooding and flood contamination of water resources? - be in an area at risk from flooding and/or be likely to create a higher risk of flooding elsewhere?	See GDC policy 13 – Flood Risk
	Zone 3a					
	Zone 3b (functional floodplain)					
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: - 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	x	One house (Keepers Cottage)	NR1 – To improve local air quality and reduce greenhouse gas emissions 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: - 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?	
	Potential to enhance					
	No impact					
	Indirect adverse (site outside designated area)	x	Adjacent to North Pennine Moors SPA, Moorhouse-Upper Teesdale SAC, Helbeck and Swindale Woods SAC and Appleby Fells SSSI.	EN2 – To preserve enhance and manage landscape quality and character for future generations		
	Direct adverse (site directly within designated area)					
	Local site or for biodiversity priority species/habitat					
	Potential to enhance					
	No impact				- minimise adverse impacts on species and habitats through human activities and development?	
	Requires mitigation/compensatory measures -	x	Site is adjacent to Swindale Ancient Woodland and 500m from Yosgill Wood Ancient Woodland.		- ensure continuity of ecological frameworks such as river corridors, coastal habitats, uplands, woodlands and scrub to enable free passage of specific habitat dependent species?	
	Indirect adverse (site outside designated area)					

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Site selection criteria	Description/Characteristic	Score	Comment/Explanation/Issues	Relevant SA Objectives	SA Criteria	Relevant MWDF Policies
	Requires mitigation/compensatory measures for Direct adverse impact (site directly within designated area)				- 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	Will the option: - protect local landscape quality, distinctiveness and character protected from unsympathetic development? - maintain the remoteness and tranquility of landscapes?	
	Site likely to adversely impact on nationally designated landscape areas	x	Within the North Pennines AONB	EN3 – To improve the quality of the built environment	- 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?	

[illegible]

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M29 Shap Fell Quarry extension, Shap

- 886** This site was put forward for consideration as an Area of Search. In accordance with the Core Strategy, no further provision is being made for crushed rock for general aggregate use and it is not a preferred site. This is a very sensitive area for wildlife and landscape and a gas pipeline raises safeguarding issues. The site is within the limestone Minerals Safeguarding Area.

Summary of comments from previous consultation stages

- 887** The quarry has excellent transport links to the M6 motorway and the A6, with the additional benefit of being rail linked.

Summary of comments from the Regulation 25 consultation stage

- 888** Objection because of international, national and county level sites of ecological interest. The special circumstances of its location merit its inclusion as an Area of Search.

Environmental assets

- 889** The existing quarry and part of the extension are within the Crosby Ravensworth Fell SSSI, which is also an area of calcareous grassland UK priority habitat, and the Asby Complex SAC, with its Limestone Pavement Order. The extension would be partly within the Hardendale Meadows County Wildlife Site and is 1km from an area of heathland UK priority habitat. There are complicated issues of hydrogeology.
- 890** A small area of common land lies within the identified extension area.
- 891** Several public footpaths run through the site.

Enhancement potential

- 892** Unlikely in view of existing interests.

Flood map zone

- 893** No identified flood risk.

Agricultural Land Classification

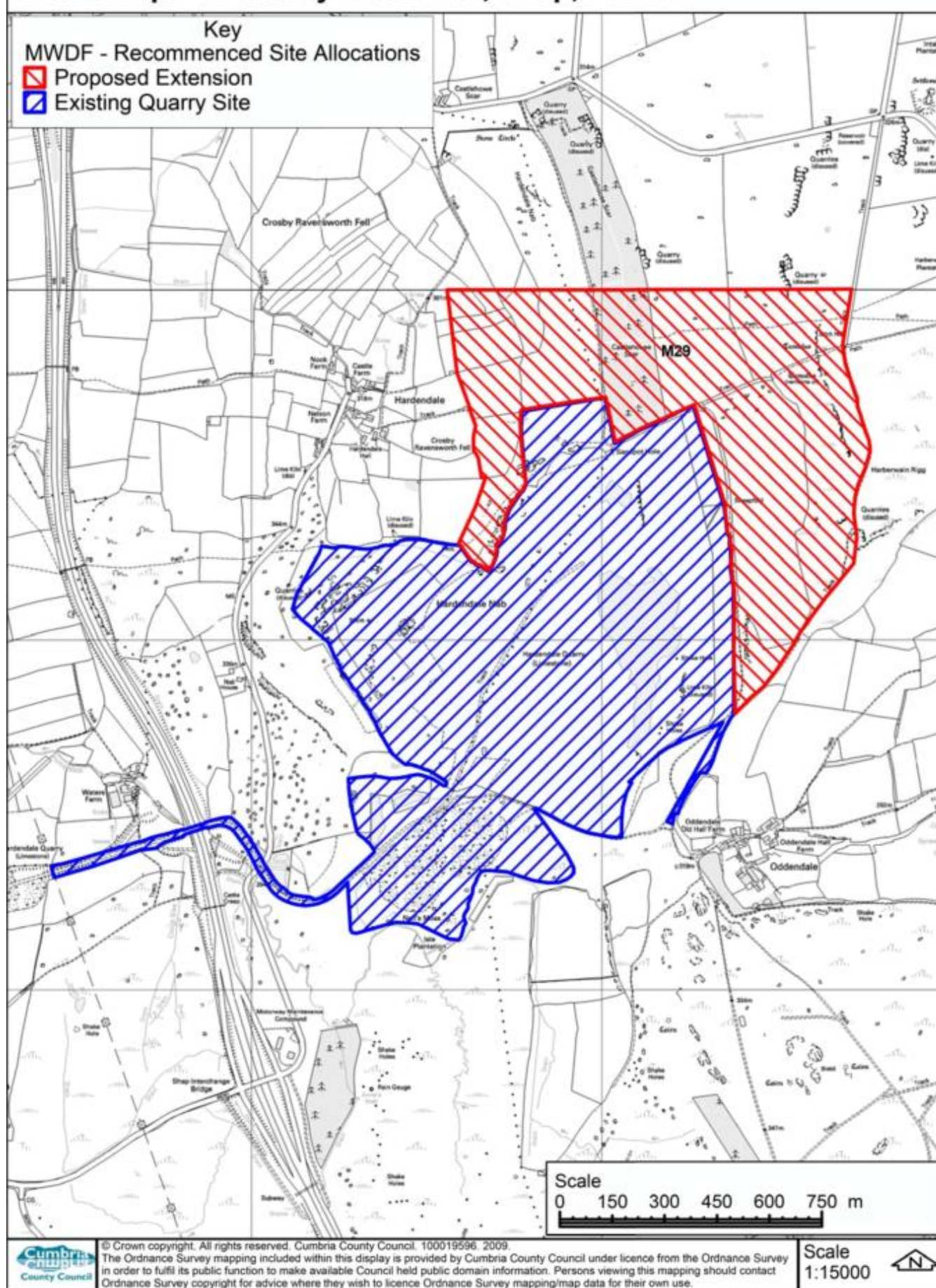
- 894** Grade 4 - less than 20% likelihood that this is Best and Most Versatile land.

Safeguarding

- 895** The site lies within the Great Dun Fell LRRS Technical Site (2) consultation area and the Borrowdale to Newby (2) gas pipeline crosses the site.

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M29 - Shap Fell Quarry Extension, Shap, Penrith



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MINERALS SITE SCORING MATRIX - M29 Shap Fell Quarry extension, Shap

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: - minimise the need for the transport of minerals and aggregates?	CS1
	Access to existing primary road network	✓✓		SP5 - To improve the health and sense of well being of people		
	Potential for rail access					
	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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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?	
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)			River Eden SAC 2.5km away.		
	Direct adverse (site directly within designated area)	xx		Requires Habitats Regs Assessment - Asby Complex SAC, Crosby Ravensworth Fell SSSI, Limestone Pavement Order and UK Priority Habitat (Calcareous Grassland) are partly within site.		
	Local site or for biodiversity priority species/habitat					
	Potential to enhance					
	No impact					
	Requires mitigation/compensatory measures - Indirect adverse (site outside designated area)					

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	Requires mitigation/compensatory measures for Direct adverse impact (site directly within designated area)	x	Hardendale Meadows County Wildlife Site partly within site. Public footpaths cross the site.		- 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 Site likely to adversely 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? - conserve features of historic and architectural importance? - promote energy efficiency, the use of locally sourced materials and low impact operation?

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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
ED11	adjacent to Hardendale Works, Shap	Possible centralised resource park, but not regarded as a probable viable option. Greenfield.
ED12 and ED21	Gillwilly industrial estate, Penrith	Already committed to other developments
ED13	Potters Loaning, Alston	Highway/pedestrian safety and possible expansion plans for adjoining business
ED15	Henderson's garage, Alston	Too small and not compatible with owner's intentions
ED28	field at Middle Skelgill	Greenfield in open countryside
ED29	New Shield quarry, Alston	No specific site boundaries, very small
ED30	Moredun garage, Alston	No specific site boundaries, very small