



[www.landuse.co.uk](http://www.landuse.co.uk)

# **Publication Draft Kirklees Local Plan**

## **Sustainability Appraisal Report**

### **Annex 6: Sustainability Appraisal Matrices and Maps for Minerals and Waste Site Options**

Prepared by LUC  
October 2016

# Contents

Minerals Site Options: Maps Showing Likely Significant Effects	1
Detailed SA Matrices for Minerals Site Options	10
ME1965: Appleton Quarry, Park Head Lane, Huddingley, Shepley (not allocated in the Publication Draft Local Plan)	10
ME1966: Hillhouse Edge Quarry, Cartworth Moor Road, Cartworth Moor, Holmfirth (allocated in the Publication Draft Local Plan)	13
ME1965a: Appleton Quarry, Park Head Lane, Huddingley (allocated in the Publication Draft Local Plan)	16
ME1965b: Appleton Quarry, Park Head Lane, Huddingley (allocated in the Publication Draft Local Plan)	19
ME1970: Seventy Acre Farm, Meltham Road, Honley (not allocated in the Publication Draft Local Plan)	21
ME1971: Seventy Acre Farm, Meltham Road, Honley (not allocated in the Publication Draft Local Plan)	25
ME1972: Seventy Acre Farm, Meltham Road, Honley (not allocated in the Publication Draft Local Plan)	28
ME1973: Honley Wood, Honley (not allocated in the Publication Draft Local Plan)	31
ME1975: Land at Moor End Farm, Nopper Lane, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)	34
ME2240: Wellfield Quarry, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)	37
ME2241: Waterholes Quarry, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)	40
ME2242: Moorfield Quarry, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)	44
ME2243: Appleton Quarry, Shepley (allocated in the Publication Draft Local Plan)	47
ME2244: Sovereign Quarry, Shepley (allocated in the Publication Draft Local Plan)	50
ME2245: Whitegate Quarry, Cartworth Moor (allocated in the Publication Draft Local Plan)	53
ME2246: Hill House Edge Quarry, Cartworth Moor (allocated in the Publication Draft Local Plan)	56
ME2247: Peace Wood Quarry, Shelley (allocated in the Publication Draft Local Plan)	59
ME2248: Bromley Farm Quarry, Upper Cumberworth (not allocated in the Publication Draft Local Plan)	62
ME2248a: Bromley Farm Quarry, Upper Cumberworth (allocated in the Publication Draft Local Plan)	66
ME2248b: Bromley Farm Quarry, Upper Cumberworth (allocated in the Publication Draft Local Plan)	69
ME2248c: Bromley Farm Quarry, Upper Cumberworth (allocated in the Publication Draft Local Plan)	73
ME2249: Hen Perch Quarry, Scissett (allocated in the Publication Draft Local Plan)	75
ME2250: Forge Lane, Ravensthorpe (10.5ha) (allocated in the Publication Draft Local Plan)	79
ME2251: Land at Crosland Moor, Huddersfield (17.5ha) (allocated in the Publication Draft Local Plan)	82
ME2252: Ox Lee, Hepworth (28ha) (allocated in the Publication Draft Local Plan)	86
ME2253: Carr Hill Quarry, Shepley (1.3ha) (allocated in the Publication Draft Local Plan)	89

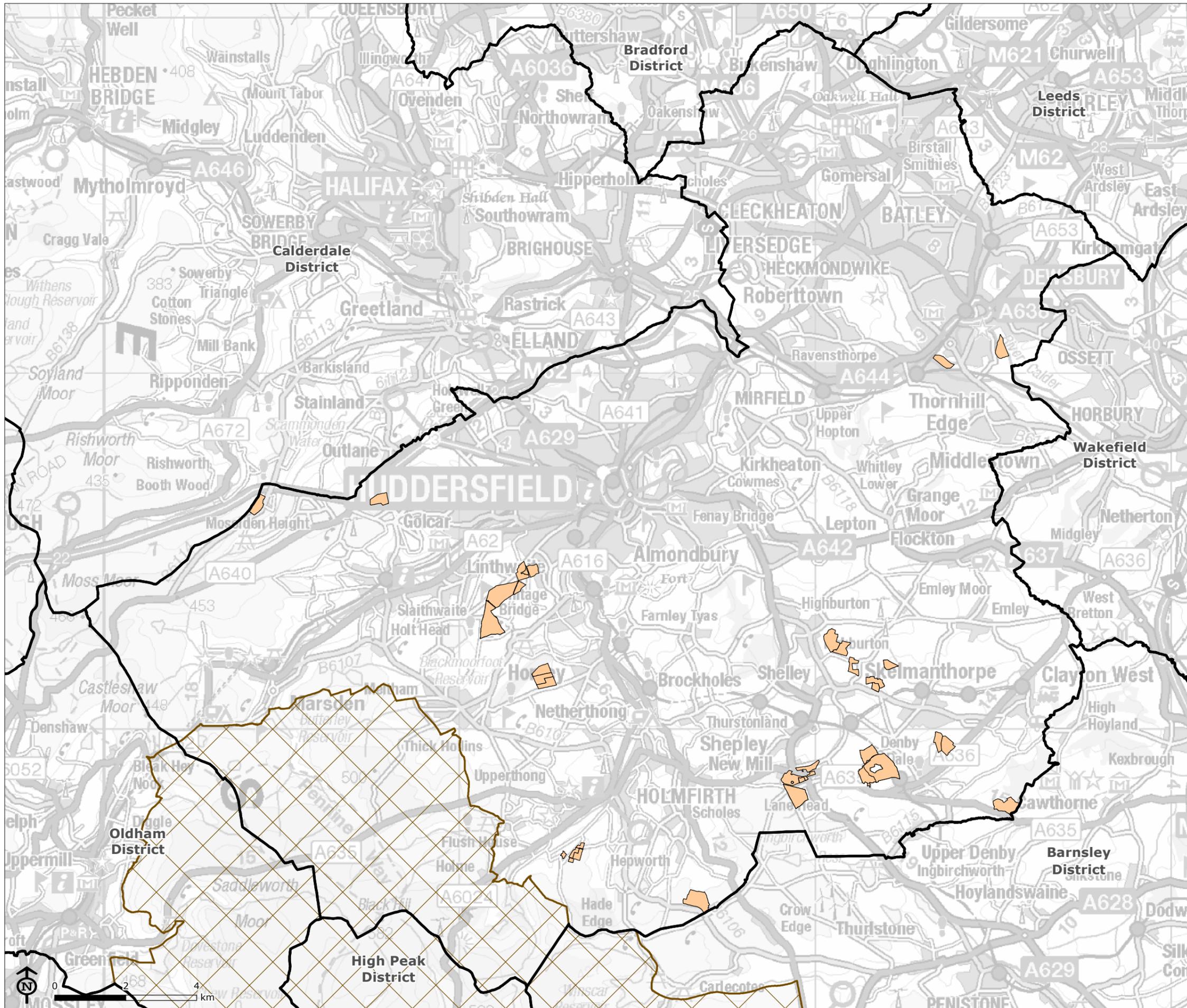
ME2254: Moselden Heights Quarry and extension area off Saddleworth Road Scammonden (allocated in the Publication Draft Local Plan)	92
ME2255: Woodhouse Quarry - Off Woodhouse Holmfirth (allocated in the Publication Draft Local Plan)	95
ME2256: Rocking Stone Quarry – off Quebec Road, Wholestone Moor (allocated in the Publication Draft Local Plan)	98
ME2257: Temple Quarry – off Liley Lane, Grange Moor (allocated in the Publication Draft Local Plan)	101
ME2258: Land off Thewlis Lane Crosland Moor (allocated in the Publication Draft Local Plan)	104
ME2259: Kirklees Lock, Clifton (8.5ha) (allocated in the Publication Draft Local Plan)	108
ME2260: Sand Mill, Earlsheaton (4ha) (not allocated in the Publication Draft Local Plan)	111
ME2263: Land adjacent to Appleton Quarry Holmfirth Road Shepley (allocated in the Publication Draft Local Plan)	114
ME2264: Hey Royds, Wheatley Hill Lane, Scissett (not allocated in the Publication Draft Local Plan)	117
ME2265: Hen Perch Quarry, Thorpe Lane, Denby Dale (allocated in the Publication Draft Local Plan)	120
ME2267: Land to the north of, Peace Wood Quarry, Green House Hill, Shelley (not allocated in the Publication Draft Local Plan)	124
ME2267a: Land to the north of, Peace Wood Quarry, Green House Hill, Shelley (allocated in the Publication Draft Local Plan)	127
ME2267b: Land to the north of, Peace Wood Quarry, Green House Hill, Shelley (not allocated in the Publication Draft Local Plan)	131
ME2312: Land to the north and south of, Peace Wood Quarry, Green House Hill, Shelley (not allocated in the Publication Draft Local Plan)	133
ME2312a: Land to the north of Huddersfield Road, Shelley Woodhouse (allocated in the Publication Draft Local Plan)	137
ME2312b: Land to the west of, Peace Wood Quarry, Green House Hill, Shelley (allocated in the Publication Draft Local Plan)	140
ME2313: Land north of, A635 Barnsley Road, Denby Dale (not allocated in the Publication Draft Local Plan)	142
ME2314: Land north of, Cumberworth Lane, Lower Cumberworth (allocated in the Publication Draft Local Plan)	146
ME2315: Land north of, Cross Lane, Kirkburton (not allocated in the Publication Draft Local Plan)	149
ME2545: Land to the south, Moor End Farm, Whitehead Lane, Crosland Hill, Huddersfield (not allocated in the Publication Draft Local Plan)	152
ME2568: Land to the south of, Intake Road, Crosland Moor, HD4 7BY (allocated in the Publication Draft Local Plan)	155
ME3322: Land to the North of Cross Lane, Kirkburton (not allocated in the Publication Draft Local Plan)	158
ME3324: Land south of Intake Road, Crosland Moor (allocated in the Publication Draft Local Plan)	162
Waste Site Option: Location Map	165
Detailed SA Matrix for Waste Site Option	167
W1: Emerald Street, Huddersfield (allocated in the Publication Draft Local Plan)	167

# Minerals Site Options: Maps Showing Likely Significant Effects

Map M1

Minerals Sites with a Minor Negative Effect on SA Objective 4 - Health

-  District boundary
-  Peak District National Park Authority
-  Site with a minor negative effect



Map Scale @ A3: 1:105,000

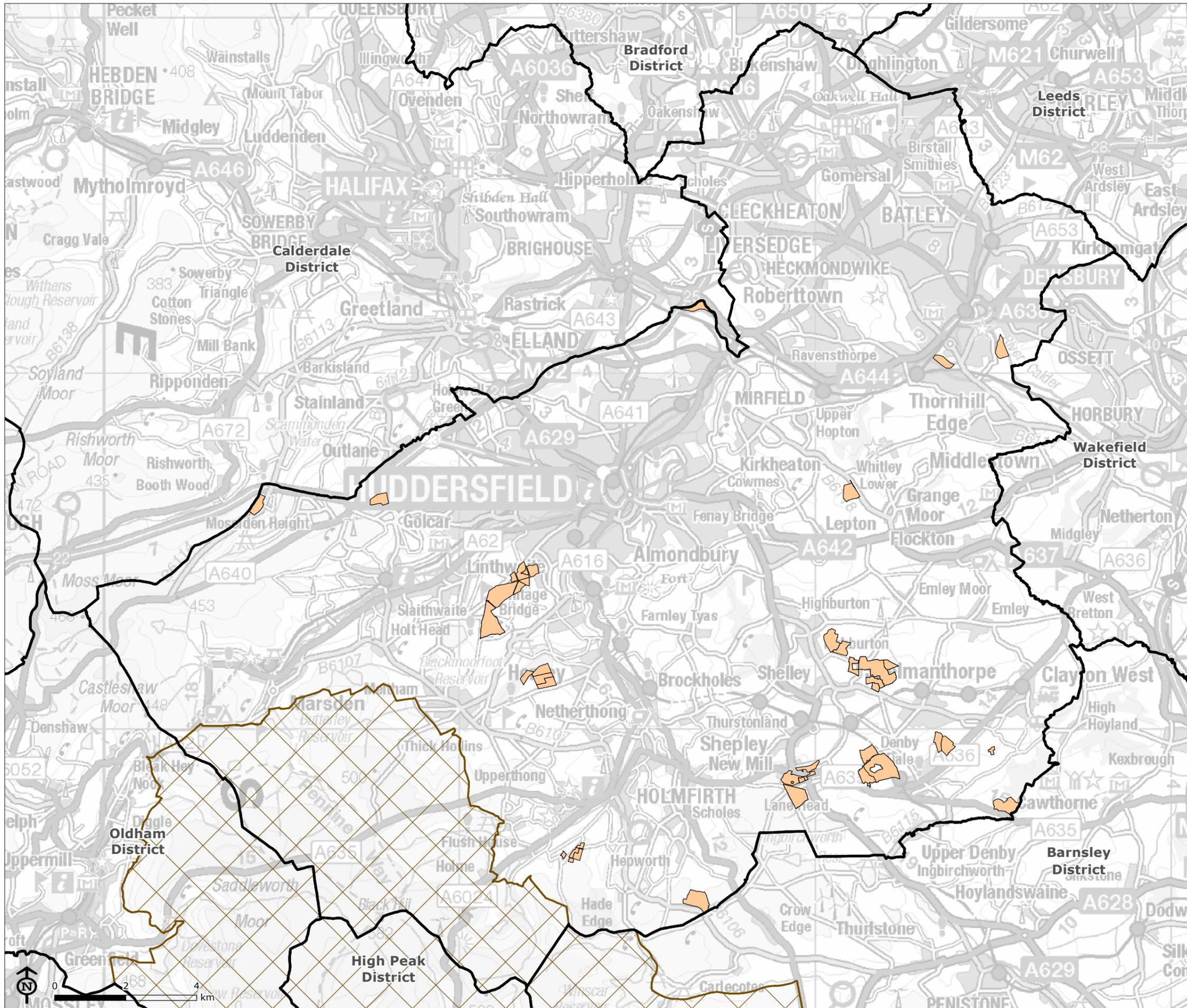


SA and HRA of Kirklees Local Plan

Map M2

Minerals Sites with a Minor Negative Effect on SA Objective 5 - Amenity

- District boundary
- Peak District National Park Authority
- Site with a minor negative effect



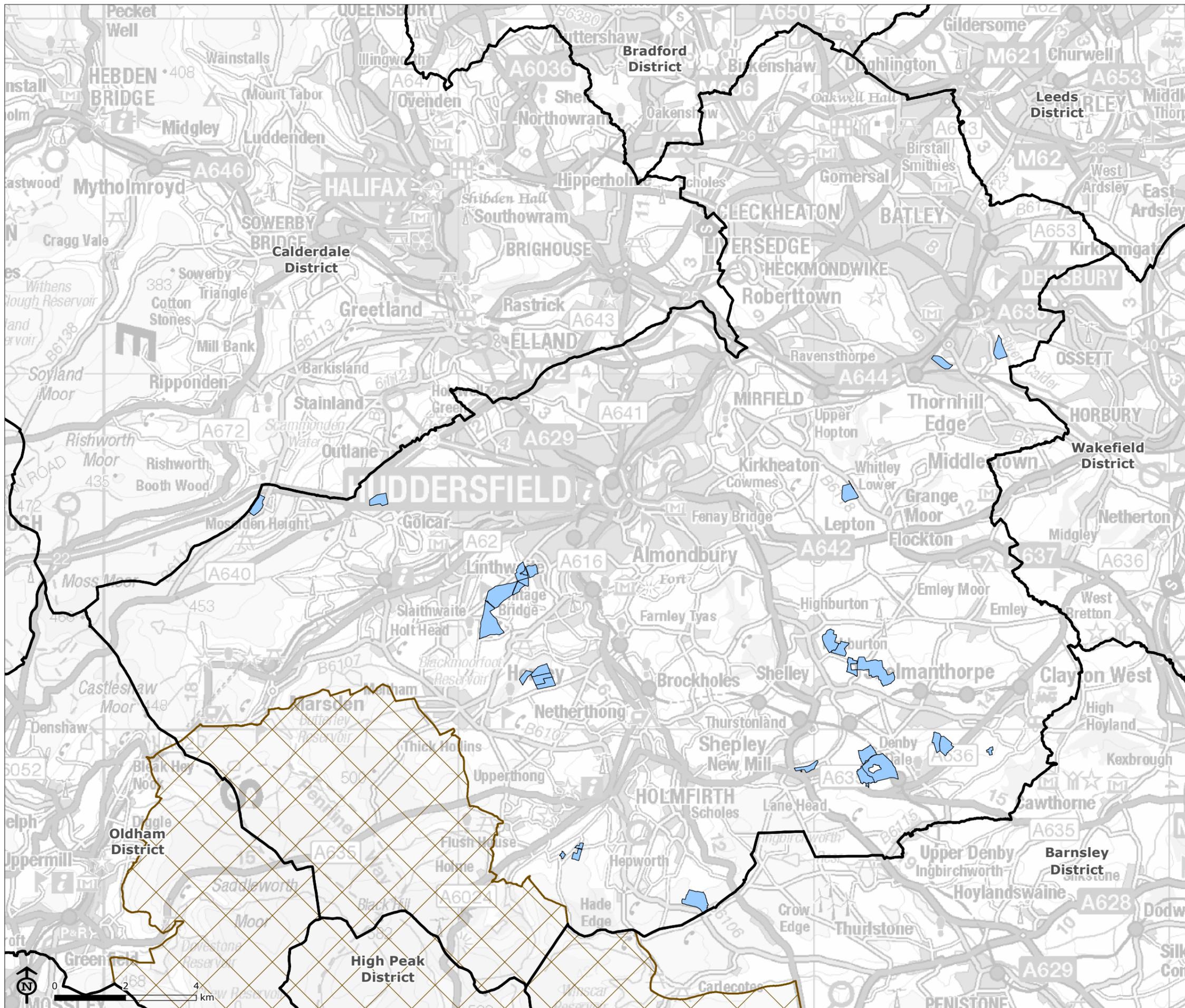
Map Scale @ A3: 1:105,000



Map M3

Minerals Sites with a Significant Negative Effect on SA Objective 8 – Recreation

- District boundary
- Peak District National Park Authority
- Site with a partially significant negative (mixed effect overall)



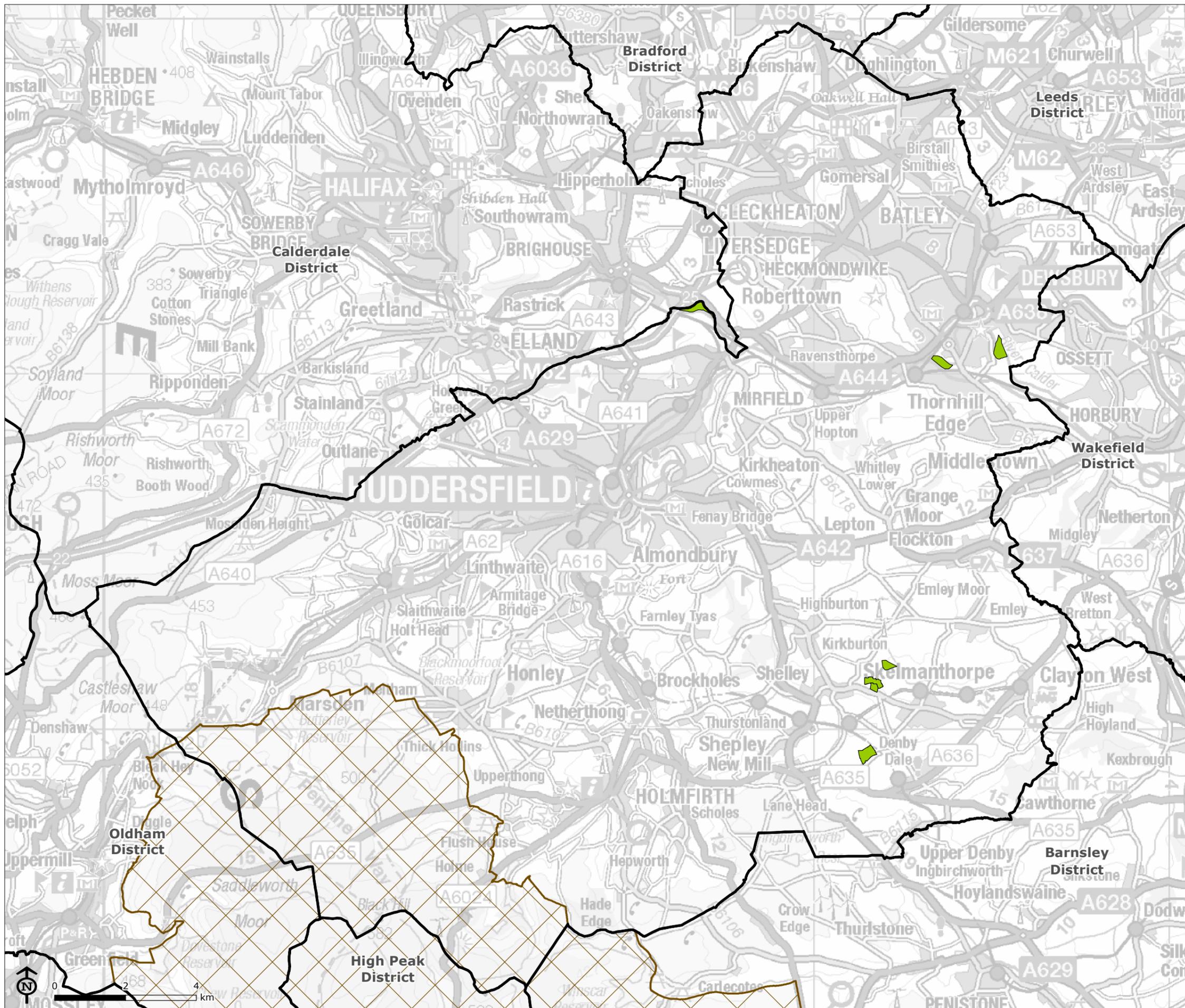
Map Scale @ A3: 1:105,000



Map M4

Minerals Sites with a Minor Positive Effect on SA Objective 10 – Sustainable Transport

- District boundary
- Peak District National Park Authority
- Site with a minor positive effect



Map Scale @ A3: 1:105,000

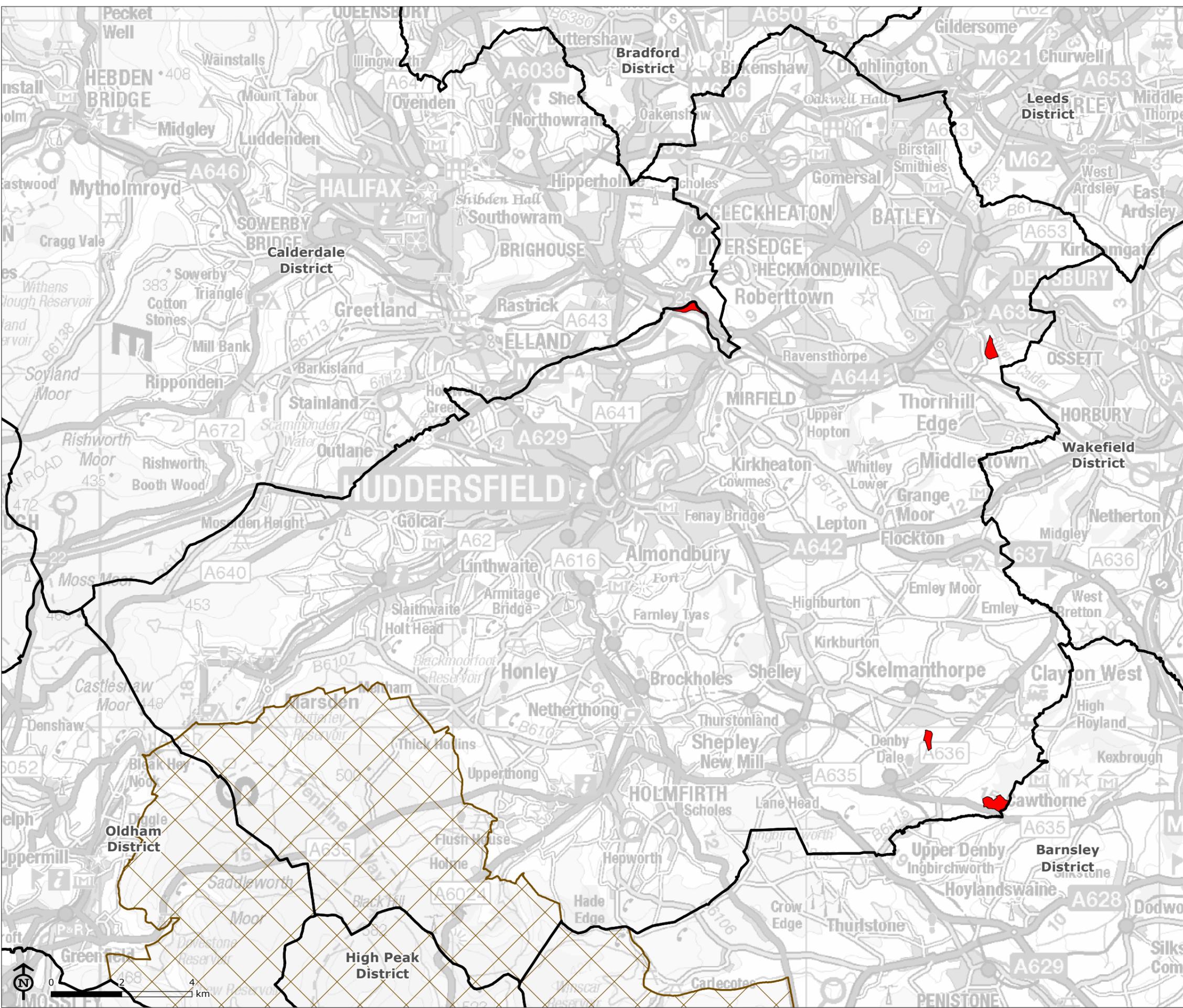


SA and HRA of Kirklees Local Plan

Map M5

Minerals Sites with a Significant Negative Effect on SA Objective 11 – Efficient Land Use

-  District boundary
-  Peak District National Park Authority
-  Site with a significant negative effect



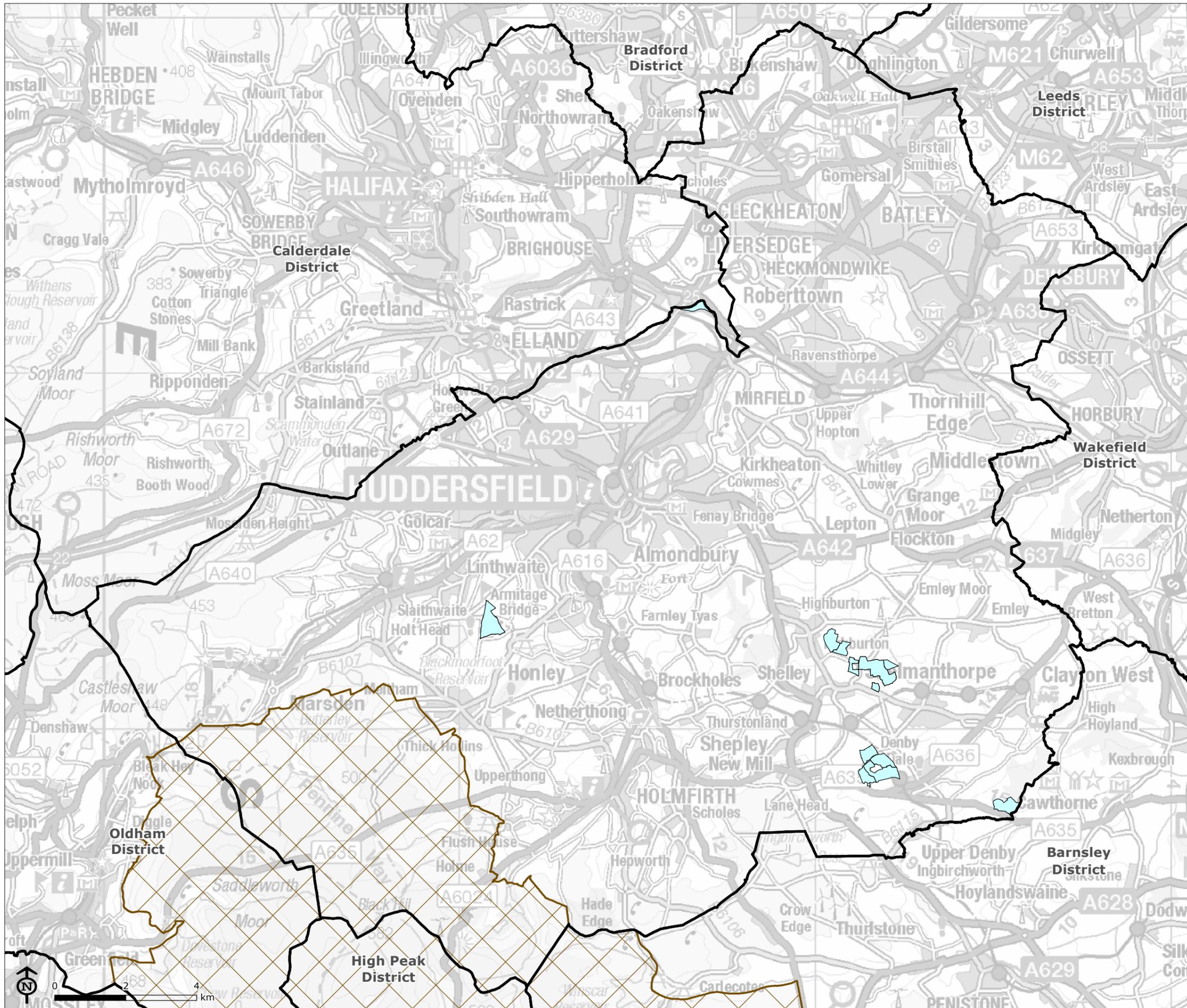
Map Scale @ A3: 1:105,000



Map M6

Minerals Sites with an Uncertain Effect on SA Objective 13 – Historic Environment

-  District boundary
-  Peak District National Park Authority
-  Site with an uncertain effect



Map Scale @ A3: 1:105,000

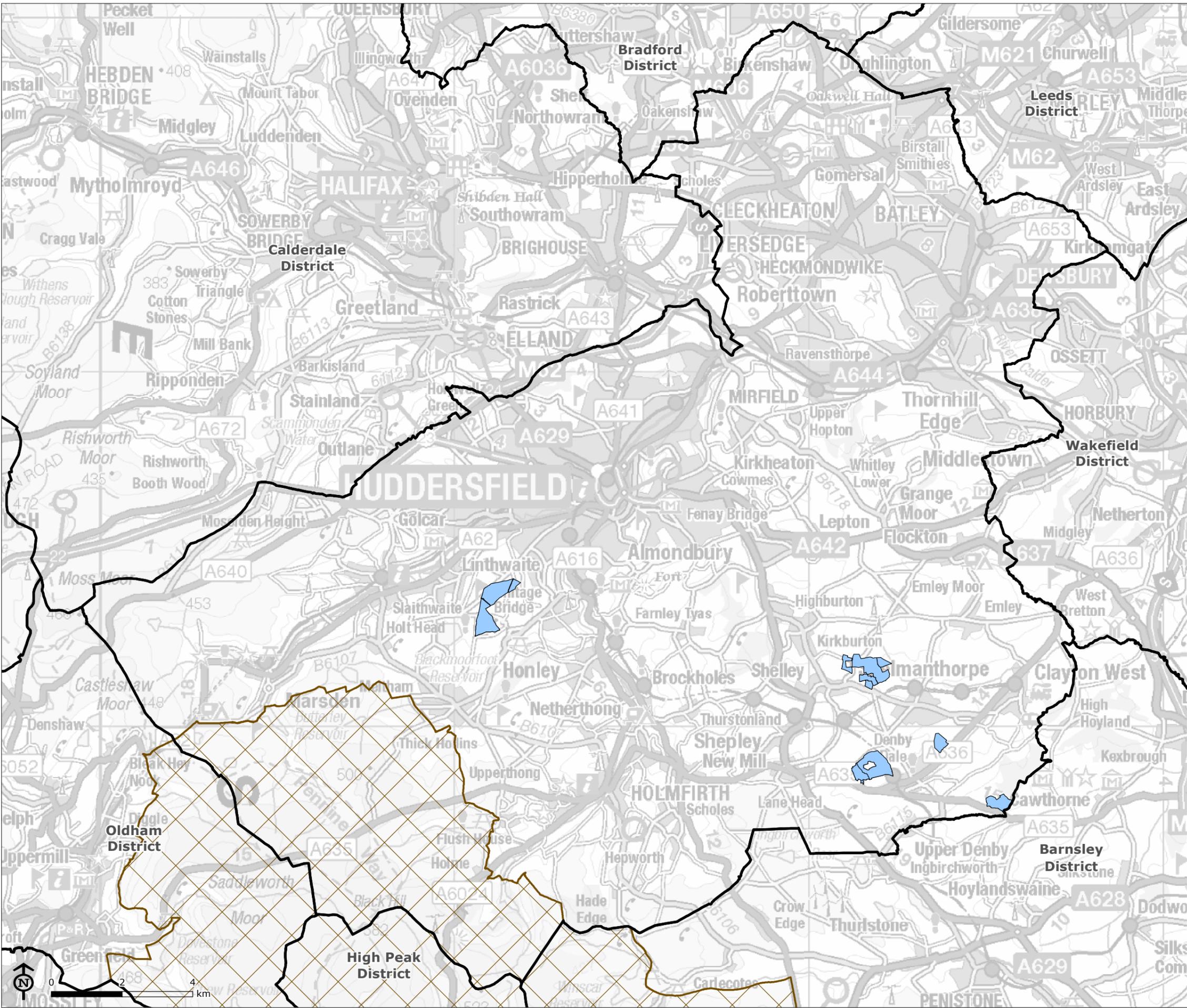


SA and HRA of Kirklees Local Plan

Map M7

Minerals Sites with a Significant Negative Effect on SA Objective 14 – Biodiversity and Geodiversity

-  District boundary
-  Peak District National Park Authority
-  Site with a partially significant negative (mixed effect overall)



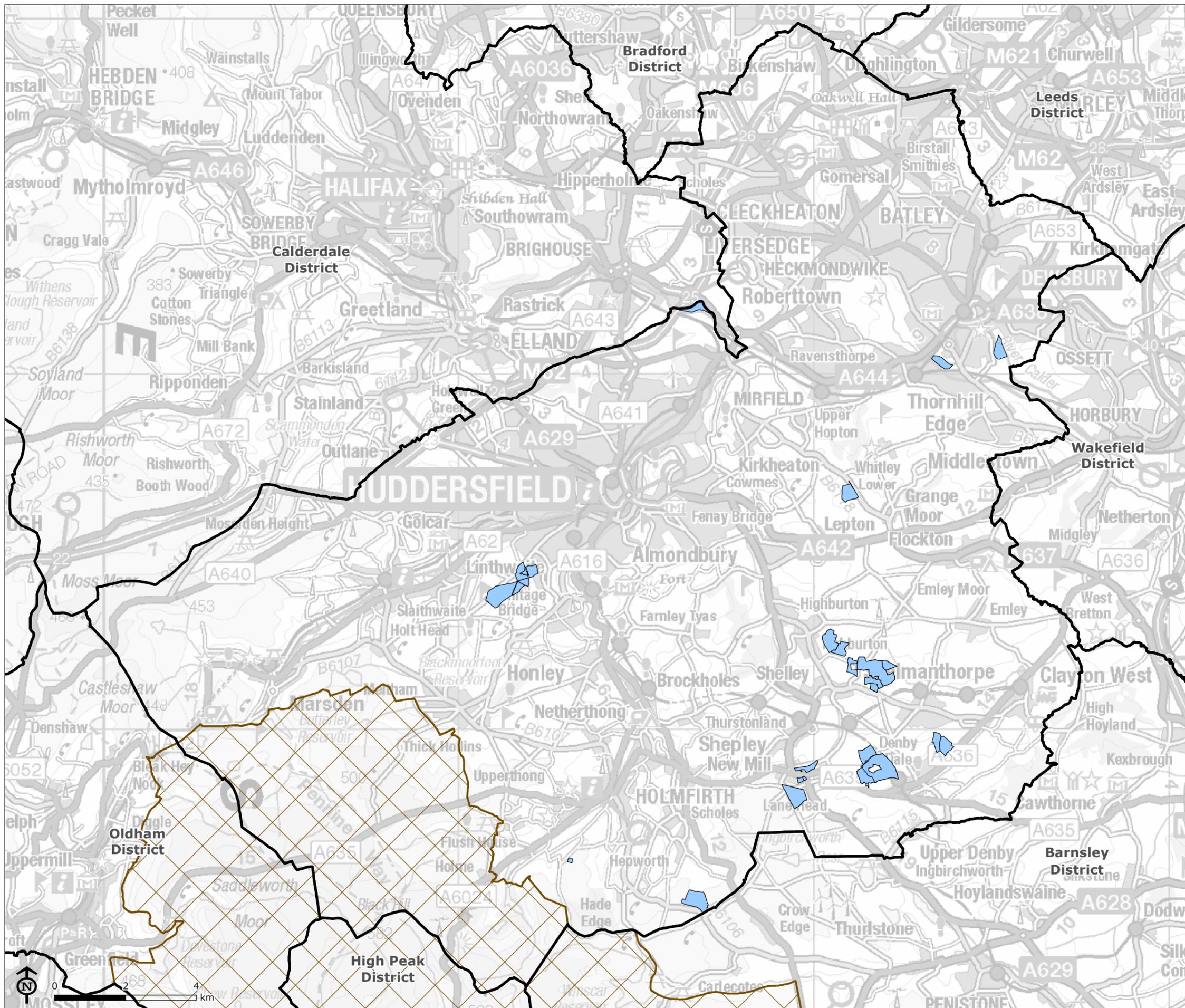
Map Scale @ A3: 1:105,000



Map M8

Minerals Sites with a Minor Negative Effect on SA Objective 15 – Pollution

- District boundary
- Peak District National Park Authority
- Site with a partially minor negative (mixed effect overall)



Map Scale @ A3: 1:105,000



## Detailed SA Matrices for Minerals Site Options

### ME1965: Appleton Quarry, Park Head Lane, Haddingley, Shepley (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Cumberworth Lane, Barnsley Road, Holmfirth Road, Cross Lane and Park Head Lane located to the north, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	<p>The site is within 250m of PROW Den/78/30, and so the extraction of minerals at this site may make the PROW less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but the River Dearne and Park Dike run through the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

**ME1966: Hillhouse Edge Quarry, Cartworth Moor Road, Cartworth Moor, Holmfirth (allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Stoney Gate, Hill House Road and Gill Lane located to the north and Hill Top Road to the east, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>A cricket pitch is included within the site and there are PROWs HOL/107/10; HOL/165/30 and HOL/95/20 within 250m of the site and so the extraction of minerals at this site may lead to the loss of the cricket pitch and make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	0	<p>This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	<p>The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.</p>
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	<p>The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.</p>

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME1965a: Appleton Quarry, Park Head Lane, Huddingley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and

SA Objectives	SA Score	Justification
		visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors (dwellings). A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	There is an open space or right of way within 250m of the site and so the extraction of minerals at this site may make it this less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Locally Designated Biodiversity Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but the River Dearne and Park Dike run through the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

#### ME1965b: Appleton Quarry, Park Head Lane, Huddingley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is within 500m of sensitive receptors (dwellings). A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.

SA Objectives	SA Score	Justification
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	0/+?	There is an open space or right of way more than 250m from the site and so the extraction of minerals at this site will not make it less attractive for users and will not impact on amenity. As such, a negligible effect is likely on this SA objective
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Locally Designated Biodiversity Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

### ME1970: Seventy Acre Farm, Meltham Road, Honley (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Hassocks Lane to the North, Chandler Lane to the east, Wood Bottom Farm to the west and Meltham Road to the south, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW HOL/3/60 is situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of these PROWs which may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives 8: recreation facilities and 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

**ME1971: Seventy Acre Farm, Meltham Road, Honley (not allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Hassocks Lane to the North, Chandler Lane to the east, Wood Bottom Farm to the west and Meltham Road to the south, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and	0	The location of minerals sites would not have a direct effect on this SA objective and all sites

SA Objectives	SA Score	Justification
facilities.		would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW HOL/6/10 and HOL/8/30 are situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of the PROWs. This may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.

SA Objectives	SA Score	Justification
		The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME1972: Seventy Acre Farm, Meltham Road, Honley (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.

SA Objectives	SA Score	Justification
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Hassocks Lane to the North, Chandler Lane to the east, Wood Bottom Farm to the west and Meltham Road to the south, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROWs HOL/6/10 and HOL/8/30 are situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of the PROWs. This may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.  The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.

SA Objectives	SA Score	Justification
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME1973: Honley Wood, Honley (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than 100m from sensitive receptors therefore would have a negligible effect on this objective.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Hassocks Lane to the North, Chandler Lane to the east, Wood Bottom Farm to the west and Meltham Road to the south, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROWs HOL/3a/40, HOL/3/20, HOL/3a/20 and HOL 3/10 are situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of the PROWs. This may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.  The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.

SA Objectives	SA Score	Justification
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME1975: Land at Moor End Farm, Nopper Lane, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Blackfoot Road to the north and Intake Lane and School Hill to the South, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	The site is within 250m of PROWs HUD/229/10, HUD/230/40, HUD/229/40, MEL/7/10 and HUD/472/10 so the extraction of minerals at this site may make the PROWs less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

#### ME2240: Wellfield Quarry, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with a number of dwellings located in the surrounding areas, including at Blackmoorfoot Road , Crosland Hill Road and Greystone to the north and Woodleigh Grove to the south east, with others further, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>The site is within 250m of PROWs HUD/233/30, HUD/220/30 and HUD/220/10 so the extraction of minerals at this site may make the PROWs less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term;</p>

SA Objectives	SA Score	Justification
		therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but is adjacent to water bodies; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

#### ME2241: Waterholes Quarry, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than 100m from sensitive receptors therefore would have a negligible effect on the sensitive receptor.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with a number of dwellings located in the surrounding areas, including those along and off Balmoral Avenue and surrounding roads such as Delves Wood Road, Moor Close, Moor Park Avenue, Henry Ralph Avenue and Beagle Avenue to the east, at Blackmoorfoot Road , Crosland Hill Road and Greystone to the north and Woodleigh Grove to the south east, with others further, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW HUD/233/30 is situated within the site so the extraction of minerals at this site may lead to the loss of this PROWs or the re-directing of this PROW which may make the PROW less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but is adjacent to water bodies; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed

SA Objectives	SA Score	Justification
effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2242: Moorfield Quarry, Crosland Moor, Huddersfield (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than 100m from sensitive receptors therefore would have a negligible effect on the sensitive receptor.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with a number of dwellings located in the surrounding areas, including those along Delves Wood Road, Moor Close to the east, Blackmoorfoot Road to the north, and a holiday park is located to the west, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	<p>The site is within 250m of PROs HUD/223/30 so the extraction of minerals at this site may make the PROs less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** No potential significant effects have been identified.

### ME2243: Appleton Quarry, Shepley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This mixed sandstone, clay and shale, site is within 250m of sensitive receptors with dwellings at Cumberworth Lane, Barnsley Road, Holmfirth Road, Cross Lane and Park Head Lane located to the north, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	0/+?	<p>The site is more than 250m from a leisure or recreational facility, open space or PROW therefore there would be a negligible effect.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** No potential significant effects have been identified.

### ME2244: Sovereign Quarry, Shepley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Lane Head Road, Cross Lane, and Holmfirth Road located to the west, properties on Carr Lane, to the north and east, and properties on Carr Hill Road, and Wells Mount to the south, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW HOL/94/10 is located within the site and adjacent the site within 250m are a number of other PROWS, HOL/93/10 and HOL/178/40, so the extraction of minerals would lead to the temporary removal or diversion of the PROW that goes across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of 1 Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is located within the Source Protection Zone (SPZ) 1 and water bodies have been identified on the site, with three lakes; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives, 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2245: Whitegate Quarry, Cartworth Moor (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Cartworth Moor Road to the east, and Hill House Lane to the north, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	<p>PROW KIR/155/10 is located within the site and adjacent the site within 250m are a number of other PROWS, KIR/155/20, KIR/197/10, KIR/144/20 and KIR/144/10 so the extraction of minerals would lead to the temporary removal or diversion of the PROW that goes across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 2 Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not within the Source Protection Zone (SPZ) 1 but a small water body in the form a lake is located at the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	<p>The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.</p>
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	<p>The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.</p>

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives, 8: recreation facilities. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2246: Hill House Edge Quarry, Cartworth Moor (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and

SA Objectives	SA Score	Justification
		visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Cartworth Moor Road to the east, and Hill House Lane to the north, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	Adjacent the site within 250m are PROWS KIR/133/10 and KIR/132/10 so the extraction of minerals at this site may make the PROW less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.  The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.  The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of 2 Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and no water bodies are located within the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling	0	The location of minerals sites would not have a direct effect on this SA objective and all sites

SA Objectives	SA Score	Justification
of waste close to source.		would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

#### ME2247: Peace Wood Quarry, Shelley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is within 250m of sensitive receptors with dwellings at Huddersfield Road to the south, a minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	Adjacent the site within 250m are a number of other PROWS, PROW KIR/155/10, KIR/155/20, KIR/197/10, KIR/144/20 and KIR/144/10 and so the extraction of minerals at this site may make the PROW less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located within 1 km from a railway with the Penistone Line located to the east, therefore a minor positive effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	<p>The site is within 250m of a Candidate LWS, and between 250m and 1km of a Local Wildlife Site; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a water body have been identified within the site in the form of a pond,; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2248: Bromley Farm Quarry, Upper Cumberworth (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is within 250m of sensitive receptors with dwellings at Bluehills Lane, Clay Delf and Bromley Bank to the east, Wakefield Road to the south, Barnsley Road to the south west, Holly Bank Avenue and Dearnfield to the west, Balk Lane, Rectory Farm Lane and Eunice Lane to the west, and Cumberworth Lane to the north. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROWs DEN/84/10 and DEN/86/30 are located within the site, adjacent the site within 250m are a significant number of other PROWS, with 25 in total, and a cricket pitch located to the north, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS and the cricket pitch within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the</p>

SA Objectives	SA Score	Justification
		restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Candidate LWS, and between 250m and 1km of 2 Candidate LWSs and a Local Wildlife Site; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified within the site in the form of 5 ponds/lakes, East Hill Beck and a number of land drains which run across the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2248a: Bromley Farm Quarry, Upper Cumberworth (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is within 250m of sensitive receptors (dwellings). A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	There is an open space or right of way situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of these PROWs which may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Locally Designated Biodiversity Site; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified adjacent to the site, therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreational facilities and 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

#### ME2248b: Bromley Farm Quarry, Upper Cumberworth (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is within 250m of sensitive receptors (dwellings). A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	There is an open space or right of way within 250m of the site and so the extraction of minerals at this site may make it this less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Locally Designated Biodiversity Site; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified within the site in the form of 5 ponds/lakes, East Hill Beck and a number of land drains which run across the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling	0	The location of minerals sites would not have a direct effect on this SA objective and all sites

SA Objectives	SA Score	Justification
of waste close to source.		would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 14: biodiversity and geo diversity as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

### ME2248c: Bromley Farm Quarry, Upper Cumberworth (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	There is an open space or right of way situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of these PROWs which may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Locally Designated Biodiversity Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified adjacent to the site including ponds/lakes, East Hill Beck and a number of land drains; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2249: Hen Perch Quarry, Scissett (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is within 250m of sensitive receptors with dwellings at Wakefield Road to south east and Thorpes avenue to the south west. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROWs DEW/155/10 and DEW/117/30 are located within the site, adjacent the site within 250m are a significant number of other PROWS, DEN/111/10, DEN/59/40, DEN/114/40 and DEN/51/10, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the</p>

SA Objectives	SA Score	Justification
		restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Candidate LWS, and between 250m and 1km of a Candidate LWSs ; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified within the site in the form of 2 ponds/lakes, therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objectives 8: recreational facilities and 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME2250: Forge Lane, Ravensthorpe (10.5ha) (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sand and gravel site is within 250m of sensitive receptors with dwellings at Old Mill View, Mill Water Avenue, Thornhill Road, Calder Mill Way, Island View and Wormalds View to the north east, and Mavis Avenue and Mavis Street to the north. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROWs DEN/59/10 and DEN/111/10 are located within the site, adjacent the site within 250m are a significant number of other PROWS, DEW/117/20, DEW/116/20, DEW/116/40, DEW/116/10 and DEW/155/10, a recreation ground is also located to the south, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity, and the recreation ground less attractive to users. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located within 1 km from railway lines to the north west and south, therefore a minor positive effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on urban land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 2 Local Wildlife Sites and 2 Local Nature Reserves; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified within the site in the form of a pond/lakes, therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	While this sand and gravel site is located within flood zone 3b, sand and gravel workings are classed as water compatible development and the extraction of such a mineral is therefore suitable. A negligible effect on this SA objective is therefore likely.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective, 8: recreational facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2251: Land at Crosland Moor, Huddersfield (17.5ha) (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 250m of sensitive receptors with holiday homes located to the north of the site. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW HUD/472/10 is located within the site, adjacent the site within 250m are a significant number of other PROWS around the site and a golf course to the north, so the extraction of minerals would lead to the temporary removal or diversion of the PROWS that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity, and the golf course less attractive to users. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Candidate LWS, and between 250m and 1km of a Candidate LWSs and 2 Local Wildlife Sites; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified within the site in the form of 2 ponds/lakes, and a therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective, 8: recreational facilities and 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

**ME2252: Ox Lee, Hepworth (28ha) (allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is within 250m of sensitive receptors dwellings located off Barnsley Road to the north, Cumberworth Lane to the south, and Penistone Road to the west. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and	0	The location of minerals sites would not have a direct effect on this SA objective and all sites

SA Objectives	SA Score	Justification
facilities.		would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROWs HOL/147/10, HOL/154/10 and HOL/149/50 are located within the site, adjacent the site within 250m are a significant number of other PROWS around the site, so the extraction of minerals would lead to the temporary removal or diversion of the PROWS that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not located within the Source Protection Zone (SPZ) 1, however a number of water bodies have been identified within the site in the form of 6 ponds/lakes, and a number of land drains including Hey Clough, therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	<p>The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.</p>
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	<p>The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.</p>

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective, 8: recreational facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME2253: Carr Hill Quarry, Shepley (1.3ha) (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and

SA Objectives	SA Score	Justification
		visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors dwellings located off Bedding Edge Road to the south east and Penistone Road to the south west. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	<p>The site is within 250m are a PROWs KIR/155/10, around the site, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this</p>

SA Objectives	SA Score	Justification
		SA objective is likely.
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land. The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of 2 Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development. In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and no water bodies are located within the site; therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air

SA Objectives	SA Score	Justification
		pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

#### ME2254: Moselden Heights Quarry and extension area off Saddleworth Road Scammonden (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	<p>Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.</p> <p>Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.</p>

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors dwellings located off Saddleworth Road to the south east. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW COL/3/10 is located within the site, adjacent the site within 250m are PROWS, COL/23/10 and COL/23/50, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 1 Special Area Conservation and 1 Special Protection Area; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and no water bodies are located within the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective, 8: recreational facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME2255: Woodhouse Quarry - Off Woodhouse Holmfirth (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors dwellings located off Woodhouse Lane to the south and west. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW HOL/93/10 is located within the site, adjacent the site within 250m are PROWS, HOL/92/60 and HOL/92/10, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 5 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 1 Candidate LWS and a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and no water bodies are located within the site; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective, 8: recreational facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME2256: Rocking Stone Quarry – off Quebec Road, Wholstone Moor (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors dwellings located off Rochdale Road/Quebec Road and Pinfold Lane to the south . A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>PROW COL/244/10 is located within the site, adjacent the site within 250m are PROWS, COL/40/10, COL/40/20 and COL/446/10, so the extraction of minerals would lead to the temporary removal or diversion of the PROWs that go across the site, and may mean that the PROWS within 250m are less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a RIGS; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and no water bodies are located within the site; therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective, 8: recreational facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2257: Temple Quarry – off Liley Lane, Grange Moor (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites. Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than a 100m of sensitive receptors, therefore a negligible effect is expected on this objective.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings located along Liley Lane to the west of the site. A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>This site includes PRoW KIR/31/30, and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>This site is located more than 1km from a railway or canal, therefore a negligible effect on the SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 3 Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 and is not within or adjacent to a water body; therefore a negligible effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2258: Land off Thewlis Lane Crosland Moor (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone site is within 500m of sensitive receptors with dwellings at Sandene Avenue, Sandene Drive, Crosland Hill Road to the north and Balmoral Avenue, Foster Avenue and Longden Avenue to the West. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>The site includes recreational space and is adjacent to PRoW HUD/220/20 and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is located between 250m and 1km of a Candidate Local Wildlife Site, a Local Wildlife Site and Regionally Important Geological Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 and is not within or adjacent to a water body; therefore a negligible effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

**ME2259: Kirklees Lock, Clifton (8.5ha) (allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is not within 100m of sensitive receptors, a negligible effect is expected on this SA objective; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sand and gravel site is located within 250m of sensitive receptors with Mill Cottage Montessori School located to the west of the site. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	<p>The site is within 250m of Bradley Park and so the extraction of minerals may make the park less attractive for users and impact on amenity. A minor negative effect is expected on this SA objective.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located within 1km from a railway or canal, therefore a minor positive effect on this SA objective is likely, although this is uncertain.</p>
11. Secure the efficient and prudent use of land.	--	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 3 agricultural land; therefore a significant negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	0/+?	The site is not located within 1km of any designated biodiversity or geodiversity site; therefore a negligible effect is expected.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but the River Calder runs adjacent to the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA but access to the site ; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	While this sand and gravel site is located within flood zone 3b, sand and gravel workings are classed as water compatible development and the extraction of such a mineral is therefore suitable. A negligible effect on this SA objective is therefore likely.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 11: prudent & efficient use of land. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

**ME2260: Sand Mill, Earlsheaton (4ha) (not allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sand and gravel site is located within 250m of sensitive receptors with dwellings located off Long Lane and Headland Lane to the west. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>This site includes PRoW DEW/136/10 and recreational space and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located within 1km from a railway or canal, therefore a minor positive effect on this SA objective is likely although this is uncertain.</p>
11. Secure the efficient and prudent use of land.	--	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 3 agricultural land; therefore a significant negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the</p>

SA Objectives	SA Score	Justification
		restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a Local Nature Reserve and a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not within the Source Protection Zone (SPZ) 1 but the River Calder runs adjacent to the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	While this sand and gravel site is located within flood zone 3b, sand and gravel workings are classed as water compatible development and the extraction of such a mineral is therefore suitable. A negligible effect on this SA objective is therefore likely.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives 11: prudent & efficient use of land and 8: recreation facilities and open space; this effect contributes to a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2263: Land adjacent to Appleton Quarry Holmfirth Road Shepley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This sandstone and clay and shale site is located within 250m of sensitive receptors. Dwellings are located on Cumberworth Lane to the south of the site, Penistone Road to the west and Holmfirth Road to the north of the site. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	0/+?	This site is not located more than 250m from leisure and recreational space including PRoW. A negligible effect is therefore expected on this SA.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 and is not within or adjacent to a water body; therefore a negligible effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

#### ME2264: Hey Royds, Wheatley Hill Lane, Scissett (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than a 100m of sensitive receptors, therefore a negligible effect is expected on this objective.
5. Protect local amenity including avoiding noise and light pollution.	-?	This coal site is located within 500m of sensitive receptors with dwellings located on Bagden Road. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	The north edge of the site includes PRow DEN/116/20, and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active mineral extraction site/has extant planning permission for mineral extraction, the impact on historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 3 Candidate Wildlife Sites and a Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and is not within or adjacent to a water body; therefore a negligible effect on this SA objective is likely.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2265: Hen Perch Quarry, Thorpe Lane, Denby Dale (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
---------------	----------	---------------

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is located within 250m of sensitive receptors. Dwellings are located at Thorpes Crescent, Matherville to the north of the site and Thorpes Avenue and Gilthwaites Crescent to the South. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>The edge of the site includes PRoW DEN/111/20, DEN/11/10 and Bridleway Den/59/10, and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	--	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 3 agricultural land; therefore a significant negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Candidate Wildlife Sites; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but the Thorpe Dike runs through the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives 11: prudent &amp; efficient use of land and 8: recreation facilities as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

**ME2267: Land to the north of, Peace Wood Quarry, Green House Hill, Shelley (not allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than a 100m of sensitive receptors, therefore a negligible effect is expected on this objective.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is located within 250m of sensitive receptors. Dwellings are located at Kirklea to the south. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>The boundary to the east of the site includes PRow KIR/134/10 and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is located within 250m of a Candidate Local Wildlife Site; therefore a significant negative effect is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but the Nicholas Spring runs along the south edge of the site and a water body runs through the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.

SA Objectives	SA Score	Justification
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objectives 8: recreation facilities and 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

### ME2267a: Land to the north of, Peace Wood Quarry, Green House Hill, Shelley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	0	The site is more than 100m from sensitive receptors therefore would have a negligible effect on the sensitive receptor.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is located within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.

SA Objectives	SA Score	Justification
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	There is an open space or right of way within 250m of the site and so the extraction of minerals at this site may make it this less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	0?/+?	The site is not located within 1km of any designated biodiversity or geodiversity site; therefore a negligible effect is expected.
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not within the Source Protection Zone (SPZ) 1 but the Nicholas Spring runs along the south edge of the site and a water body runs through the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** No potential significant effects have been identified.



### ME2267b: Land to the north of, Peace Wood Quarry, Green House Hill, Shelley (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is located within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	There is an open space or right of way situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of these PROWs which may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Locally Designated Biodiversity Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME2312: Land to the north and south of, Peace Wood Quarry, Green House Hill, Shelley (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is located within 250m of sensitive receptors. Dwellings are located along Shelly Woodhouse Lane to the south. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	The site is within 250m of PROW DEN/104/10, and so the extraction of minerals at this site may make the PROW less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located within 1km from a railway therefore a minor positive effect on this SA objective is likely, although this is uncertain.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.

SA Objectives	SA Score	Justification
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	<p>The site is located within 250m of a Candidate Local Wildlife Site; therefore a significant negative effect is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not within the Source Protection Zone (SPZ) 1 but the Nicholas Spring begins along the west edge of the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective d 14: biodiversity and geo diversity as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

### ME2312a: Land to the north of Huddersfield Road, Shelley Woodhouse (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is located within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	0/+?	There is an open space or right of way more than 250m from the site and so the extraction of minerals at this site will not make it less attractive for users and will not impact on amenity. As such, a negligible effect is likely on this SA objective

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	0?/+?	The site is not located within 1km of any designated biodiversity or geodiversity site; therefore a negligible effect is expected.

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not within the Source Protection Zone (SPZ) 1 but the Nicholas Spring begins along the east edge of the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

### ME2312b: Land to the west of, Peace Wood Quarry, Green House Hill, Shelley (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is located within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	There is an open space or right of way within 250m of the site and so the extraction of minerals at this site may make it this less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	Historic England has rated this site as 'green' in terms of the potential for effects on the historic environment, meaning that it considers that the development of the site is unlikely to result in harm to any designated heritage asset. The effect on this SA objective is therefore likely to be negligible, although this is uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	0?/+?	The site is not located within 1km of any designated biodiversity or geodiversity site; therefore a negligible effect is expected.

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but there are springs adjacent to the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

### ME2313: Land north of, A635 Barnsley Road, Denby Dale (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.

SA Objectives	SA Score	Justification
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is located within 250m of sensitive receptors. Dwellings are located at Denby Hall Farm to the north. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	The site is within 250m of PROW DEN/54/10, DEN/57/10 and Deffer Woods and so, the extraction of minerals at this site may make the PROW less attractive for users and impact on amenity. As such, a minor negative effect is likely on this SA objective.  In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	--	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 3 agricultural land; therefore a significant negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.

SA Objectives	SA Score	Justification
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	<p>The site is located within 250m of a Candidate Local Wildlife Site; therefore a significant negative effect is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	0	<p>This site is not within the Source Protection Zone (SPZ) 1 and is not within or adjacent to a water body; therefore a negligible effect on this SA objective is likely.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 14: biodiversity and geo diversity as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

### ME2314: Land north of, Cumberworth Lane, Lower Cumberworth (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is located within 250m of sensitive receptors. Dwellings are located on Top Road and Cumberworth Lane. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>This site includes PRoW DEN/87/20, and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located within 1km from a railway therefore a minor positive effect on this SA objective is likely, although this is uncertain.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.</p>

SA Objectives	SA Score	Justification
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Candidate Wildlife Sites and 2 Local Wildlife Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.  In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 but has a Well present on the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

SA Objectives	SA Score	Justification
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

**ME2315: Land north of, Cross Lane, Kirkburton (not allocated in the Publication Draft Local Plan)**

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This clay and shale site is located within 250m of sensitive receptors. Dwellings are located on Cross Lane to the south of the site and High Wood Lane to the north. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	<p>This site includes PRoW KIR/128/10, and so, the extraction of minerals may mean removing or temporarily closing land which has potential for recreation within and access to the countryside. As such, a significant negative effect is expected.</p> <p>In addition, the restoration of minerals sites is increasingly adopting innovative practice and this could have a minor positive effect on providing recreation opportunities for all sites irrespective of their location. However, this would be very dependent on the exact nature and proposed design of the restoration of the minerals site, which would not be known until the planning application stage. Therefore, the positive part of the effect is uncertain.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	<p>The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape.</p> <p>The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the</p>

SA Objectives	SA Score	Justification
		restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	<p>The site is between 250m and 1km of 2 Candidate Wildlife Sites; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.</p> <p>In addition, there is the potential for the site to deliver biodiversity benefits in the long term; therefore a potential minor positive effect is also identified in relation to the site.</p>
15. Reduce air, water and soil pollution.	-?/0	<p>This site is not within the Source Protection Zone (SPZ) 1 but has a water body adjacent to the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.</p> <p>The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.</p>
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.		

#### ME2545: Land to the south, Moor End Farm, Whitehead Lane, Crosland Hill, Huddersfield (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is located within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	There is an open space or right of way situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of these PROWs which may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Locally Designated Biodiversity Site; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; however it is worth noting that Blackmoorfoot Reservoir is to the west of the site. Therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective 8: recreational facilities and 14: biodiversity and geodiversity as part of a mixed effect overall. These issues will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME2568: Land to the south of, Intake Road, Crosland Moor, HD4 7BY (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This site is within 250m of sensitive receptors (dwellings). A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	There is an open space or right of way within 250m of the site and so the extraction of minerals at this site may make it this less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?/+?	The site is within 250m of a Locally Designated Biodiversity Site; therefore a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; however it is worth noting that Blackmoorfoot Reservoir is to the west of the site. Therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.

**Summary of SA findings:** Potential significant negative effects were identified for this site in relation to SA objective 14: biodiversity and geo diversity as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.

#### ME3322: Land to the North of Cross Lane, Kirkburton (not allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and

SA Objectives	SA Score	Justification
		visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This site is within 250m of sensitive receptors (dwellings). A minor negative effect on this SA objective is therefore likely, although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	--/+?	There is an open space or right of way situated within the site so the extraction of minerals at this site may lead to the loss of these PROWs or the re-directing of these PROWs which may make the PROWs less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective.
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>

SA Objectives	SA Score	Justification
11. Secure the efficient and prudent use of land.	-	Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.  The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Locally Designated Biodiversity Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.
15. Reduce air, water and soil pollution.	-?/0	This site is not within the Source Protection Zone (SPZ) 1 a minor watercourse runs through the south of the site; therefore a minor negative effect on this SA objective is likely although this is uncertain as effects would be very dependent on the exact nature, working and proposed design of the site.  The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<p><b>Summary of SA findings:</b> Potential significant negative effects were identified for this site in relation to SA objective 8: recreation facilities as part of a mixed effect overall. This issue will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.</p>		

### ME3324: Land south of Intake Road, Crosland Moor (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Minerals sites would have positive effects on job creation during site preparation, operation and restoration. However, the total number of new employment opportunities likely to be provided within Kirklees is not considered to be significant and would not be influenced by the location of sites. Therefore, a minor positive effect on this SA objective is likely for all sites.  Employees at mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	Minerals-related development would have a positive effect on the local economy in relation to growth within the minerals industry. In addition, allocating minerals sites helps to secure the supply of aggregates required to support wider economic growth and development in the district and elsewhere. However, these factors would not be influenced by the specific location of minerals sites and a minor positive effect on this SA objective is therefore likely.
3. Ensure education facilities are available to all.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	The site is within 100m of sensitive receptors and there could therefore be a minor negative effect on health as a result of dust; however this is uncertain depending on factors such as topography, the nature of the landscape, the respective location of the site and the nearest residential property or other sensitive use in relation to the prevailing wind direction and visibility.
5. Protect local amenity including avoiding noise and light pollution.	-?	This area is located within 250m of sensitive receptors. A minor negative effect on this SA objective is therefore likely. Although this is uncertain depending on the type of mineral site, the scale of the operations and the type of activities undertaken within the site and potential mitigation measures proposed.
6. Retain and enhance access to local services and facilities.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-/+?	There is an open space or right of way within 250m of the site and so the extraction of minerals at this site may make it this less attractive for users and impact on amenity. As such, a significant negative effect is likely on this SA objective

SA Objectives	SA Score	Justification
9. Ensure all people are able to live in a decent home which meets their needs.	0	Allocating minerals sites helps to secure the supply of aggregates required to develop housing and other within the district and elsewhere; however this would not be influenced by the location of minerals sites. Therefore a negligible effect on this SA objective is likely.
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	0	<p>Employees at minerals sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. Proximity to rail lines/depots/sidings, rivers/canals or wharves could provide opportunities to explore more sustainable modes of transporting aggregates although effects are uncertain depending on whether there are wharves or depots that could be used.</p> <p>The site is located more than 1km from a railway or canal, therefore a negligible effect on this SA objective is likely.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where minerals-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is located on Grade 4 agricultural land; therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-?	The potential for a negative effect on the landscape is identified for all mineral sites due to the potential harm they could cause to the landscape, however the restoration of sites in poor landscape characters areas could in the long term enhance the landscape. The site is not within 500m of the Peak District National Park, therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the restoration of the site.
13. Conserve and enhance the historic environment, heritage assets and their settings.	?	Historic England has rated this site as 'amber' in terms of the potential for effects on the historic environment, meaning that the impact of development of the site on the historic environment is uncertain. The effect on this SA objective is therefore likely to be uncertain as the potential for effects on cultural heritage assets will depend on the exact scale, design and layout of the new development and opportunities may exist to enhance the setting of heritage features.
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	-?/+?	The site is between 250m and 1km of a Locally Designated Biodiversity Site; therefore a minor negative effect on this SA objective is likely, although this is uncertain depending on the design of the development.

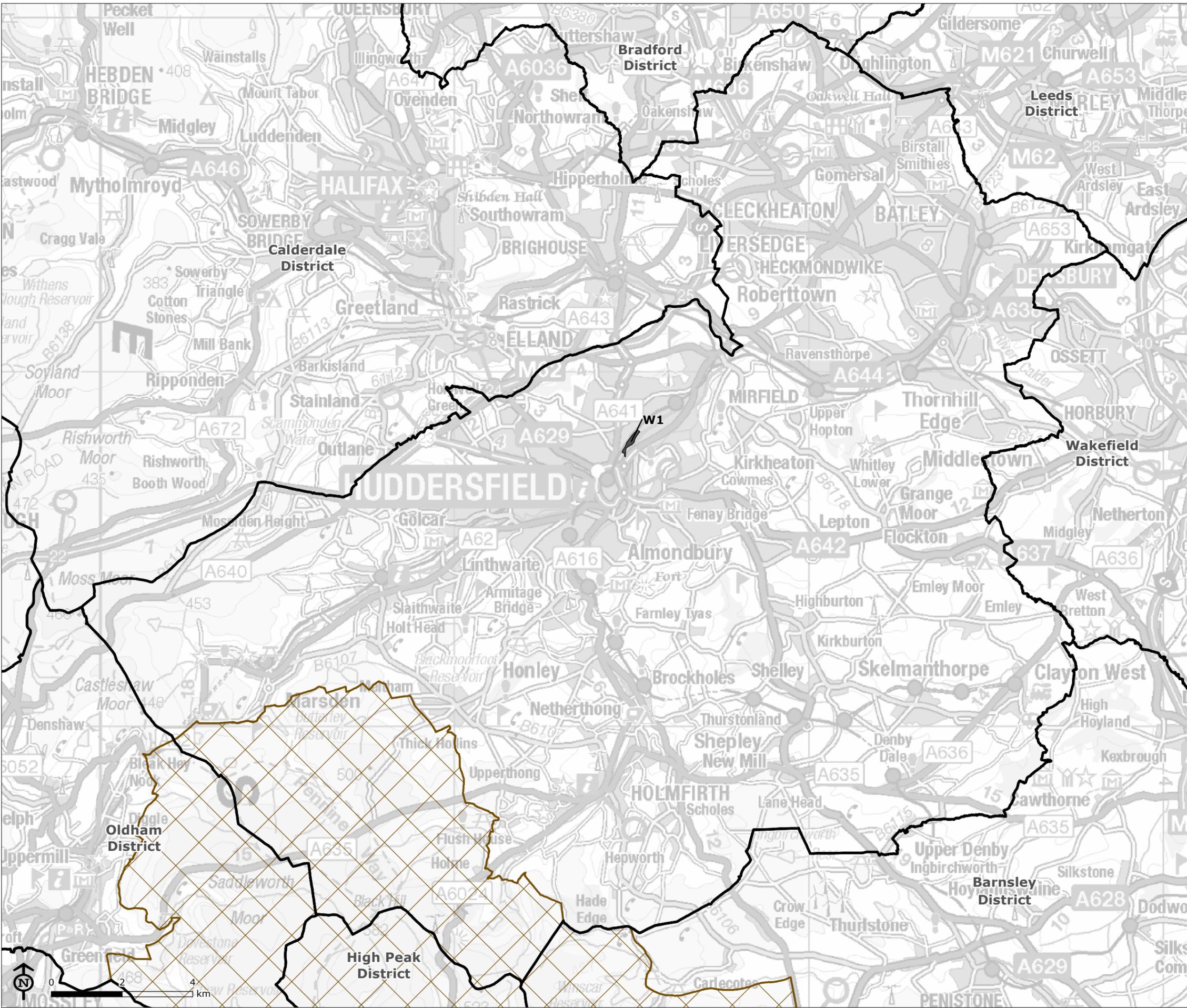
SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	0	This site is not within the Source Protection Zone (SPZ) 1 and there are no water bodies within or adjacent the site; therefore a negligible effect on this SA objective is likely. The site is not within an AQMA; therefore it will have a negligible effect in relation to air pollution.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The location of minerals sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
18. Increase efficiency in water, energy and raw material use.	0	The effects of minerals sites on the efficient use of raw materials will depend on the nature of the minerals-related activities, i.e. if they involve processing recycled aggregates. However, this will not be influenced by the location of a site: therefore, a negligible effect on this SA objective is likely.
19. Reduce the contribution that the district makes to climate change.	0	The location of minerals sites will not have a direct effect on the district's contribution to climate change. Future employees of potential mineral sites are unlikely to be able to use sustainable transport to travel to work due to the predominant rural location of most mineral sites. A negligible effect on this SA objective is therefore likely.
<b>Summary of SA findings:</b> No potential significant effects have been identified.		

## Waste Site Option: Location Map

Map W1

Waste Site Option

-  District boundary
-  Peak District National Park Authority
-  Waste site option



Map Scale @ A3: 1:105,000



## Detailed SA Matrix for Waste Site Option

### W1: Emerald Street, Huddersfield (allocated in the Publication Draft Local Plan)

SA Objectives	SA Score	Justification
1: Increase the number and range of employment opportunities available for local people, and ensure that they are accessible.	+	Waste sites in any location have positive effects on job creation; however, the total number of new employment opportunities likely to be provided within the district is not considered to be significant, particularly as this waste site is already in operation. The site is however within walking distance (600m) of bus stops on both Leeds Road to the east and Bradford Road to the west; therefore a minor positive on this SA objective is likely in terms of providing access to jobs at the site.
2. Achieve an economy better capable of growth through increasing investment, innovation and Entrepreneurship.	+	The expansion of this waste site would have a positive effect on the local economy in relation to growth within the waste industry, although this is not likely to be significant and would not be determined by the location of the site. Therefore, a minor positive effect on this SA objective is likely. The site would not lead to any landfill; therefore would not affect aerodromes through potential bird strike.
3. Ensure education facilities are available to all.	0	The location of this waste site would not have an effect on education provision within the district; therefore a negligible effect on this SA objective is likely.
4. Improve the health of local people and ensure that they can access the health and social care they need.	-?	Some types of waste facilities could have a negative effect on health due to the biospores or gaseous emissions that may be released from certain waste management technologies such as composting, anaerobic digestion or producing energy from waste. However, Government research conducted in 2004 <sup>1</sup> , reviewed evidence from a large range of studies, and concluded that modern waste management practices have at most a minor effect on human health.  This site is within 250m of sensitive receptors, therefore a minor negative effect is identified in relation to this SA objective. However, this is uncertain as it depends on the nature of operations which take place at the site if it were to be expanded.

<sup>1</sup> *Review of Environmental and Health Effects of Waste Management: Municipal Solid Waste and Similar Wastes*. Prepared for Defra by Enviro and University of Birmingham, May 2004.

SA Objectives	SA Score	Justification
5. Protect local amenity including avoiding noise and light pollution.	-	<p>Waste facilities could have a negative effect on amenity as a result of noise, traffic, and light pollution during construction and potentially during operation as well.</p> <p>This site is within 250m of sensitive receptors, therefore a minor negative effect is likely on this SA objective.</p>
6. Retain and enhance access to local services and facilities.	0	The location of waste sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
7. Make our communities safer by reducing crime, anti-social behaviour and the fear of crime.	0	The location of waste sites would not have a direct effect on this SA objective and all sites would have a negligible effect.
8. Protect and enhance existing and support the provision of new recreation facilities and areas of open space and encourage their usage.	-	<p>The location of waste facilities could affect people's enjoyment of recreational facilities such as nearby open space, Public Rights of Way (PRoW) and recreation facilities.</p> <p>This site is within 250m of a canal tow path to the south, a cricket pitch to the east, national cycle route 69 to the north, other small sections of open space and footpaths in the local area. A minor negative effect on this SA objective is therefore identified if this site were to be expanded.</p> <p>The site would not be used for landfill; therefore it is considered that there would not be long term opportunities for enhancements of recreation facilities.</p>
9. Ensure all people are able to live in a decent home which meets their needs.	0	The location of waste sites would not have a direct effect on this SA objective and all sites would have a negligible effect.

SA Objectives	SA Score	Justification
10. Secure an effective and safe transport network which encourages people to make use of sustainable and active modes of transport.	+?	<p>The effects of waste sites on this SA objective will depend in part on whether employees are able to make use of sustainable modes of transport to get to work, and in part on the proximity of sites to sustainable transport links that may be able to be used for the transportation of waste.</p> <p>The site is located within 1 km of the Manchester-Leeds railway line which runs along the western boundary of the site, and the Huddersfield Broad Canal which runs along the eastern boundary of the site. A minor positive effect on this SA objective is therefore likely, although this is uncertain as it depends on whether there are wharves or depots that could be used for the transportation of waste.</p> <p>In addition, the site is within walking distance (600m) of bus stops on both Leeds Road to the east and Bradford Road to the west which would reinforce the minor positive effect.</p>
11. Secure the efficient and prudent use of land.	-	<p>Where waste-related development takes place on high quality agricultural land it is a less efficient use of land than development on lower quality agricultural land.</p> <p>The site is partly on greenfield although it is not located on high quality agricultural land (it is classed as Urban land); therefore a minor negative effect on this SA objective is likely.</p>
12. Protect and enhance the character of Kirklees and the quality of the landscape and townscape.	-	<p>The design of modern waste management facilities is increasingly adopting innovative practice and this could have positive effects on this SA objective. However, this would be very dependent on the exact nature and proposed design of the planned waste facility type, which would not be known until the planning application stage.</p> <p>This enclosed waste facility site is part located on greenfield land, and therefore a minor negative effect on this SA objective is therefore likely.</p>
13. Conserve and enhance the historic environment, heritage assets and their settings.	0?	<p>The site is an active waste site and its impact on the historic environment has therefore been assessed as part of the planning permission for the site, and has been previously accepted. Allocating this site in the Kirklees Local Plan would therefore have a negligible effect on this SA objective, although this is uncertain as it would depend on the restoration proposals for the site.</p>
14. Maximise opportunities to protect and enhance biodiversity and geodiversity.	--?	<p>The site is within 250m of a number of Local Wildlife Site, with sites located either side of the site, one adjacent the canal and one adjacent the railway line. Therefore, a significant negative effect on this SA objective is likely, although this is uncertain depending on the design of the additional development at the site.</p>

SA Objectives	SA Score	Justification
15. Reduce air, water and soil pollution.	-	This site is not within any Source Protection Zones; however the site could be used for open air composting, and is located adjacent to the watercourse of the Huddersfield Broad Canal. The site is not located within an AQMA; however given the potential operation of the site, there could be negative impact on air quality. A minor negative effect on this SA objective is therefore likely.
16. Prevent inappropriate new development in flood risk areas and ensure development does not contribute to increased flood risk for existing property and people	0	The site is located outside of flood zone 3b; therefore a negligible effect is likely on this SA objective.
17. Increase prevention, re-use, recovery and recycling of waste close to source.	0	The effects of waste site options on this SA objective will depend on the nature of the waste management activities that take place there, rather than on their spatial location. Therefore, all waste sites would have a negligible effect on this SA objective.
18. Increase efficiency in water, energy and raw material use.	0	While all new development is likely to involve an increase in energy and water consumption this will not be influenced by the location of waste sites. In addition, new development may offer good opportunities for incorporating renewable energy generation and water efficiency measures and it is assumed that new development will be built to high standards of efficiency. Similarly, all development will result in the increased consumption of minerals for construction but this will not be influenced by the location of waste sites. The location of development sites can influence the efficient use of minerals by the proximity of the development to Minerals Safeguarding Areas as development in those areas may sterilise mineral resources and restrict the availability of resources in the district. However, because of the extent of minerals resources within Kirklees, all sites would have the same effect. In addition, not all of the resources would necessarily be economically viable and it may be possible to achieve prior extraction to avoid sterilisation. Therefore, all sites will have a negligible effect on this SA objective.
19. Reduce the contribution that the district makes to climate change.	+	The site includes an energy from waste (EfW) facility and energy is therefore generated from the waste operations at the site, a minor positive effect on this SA objective is therefore likely if this site were to be expanded.

**Summary of SA findings:** A potential significant negative effect was identified for this site in relation to SA objectives 14: biodiversity and geodiversity, this issue

<b>SA Objectives</b>	<b>SA Score</b>	<b>Justification</b>
		will need to be considered further in terms of mitigation and/or enhancement, which may be achieved through Local Plan policies.